

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

Q1 2025 Water Quality TR 10 and Copper Sampling Reports (Permit No. M-1977-410)

Rmittasch@nedmining.com <Rmittasch@nedmining.com> To: "Lennberg - DNR, Patrick" <patrick.lennberg@state.co.us> Thu, May 1, 2025 at 12:11 PM

Dear Mr. Patrick Lennberg,

Attached are two reports for the Cross Gold Mine, prepared by Grand Island Resources in compliance with Technical Revision #10 (TR-10) under Permit No. M-1977-410, both dated April 30, 2025:

- Q1 2025 Water Quality Report: Details groundwater, mine effluent, and surface water monitoring results for Q1 2025, reflecting the TR-10 analyte list.
- Q1 2025 Copper Sampling Report: Analyzes copper exceedance at the Caribou Well.

Key findings:

- On March 13, 2025, Caribou Well sampling showed copper at 0.15 mg/L (initial) and 0.21 mg/L (duplicate), averaging 0.18 mg/L. The 0.21 mg/L exceedance (above 0.2 mg/L standard) prompted intensive sampling on April 11 and 17, 2025, indicating inadequate purging as the cause, not a persistent issue. Copper levels stabilized below 0.2 mg/L after sufficient purging.
- Recommendations: increase Caribou Well purge time to 10 hours (as a drinking water well, not suited for the '3 well volume' rule), and replace well equipment.

please contact me if there's anything else you further need.

Sincerely,

Kind Regards,

Richard Mittasch, Vice President

Nederland Mining Consultants, Inc.

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

Attachments:

- TR-10 FIRST QUARTER 2025 WATER MONITORING REPORT DRMS.pdf
- Q1_2025_Copper_Sampling_Report_M-1977-410.pdf

2 attachments

TR-10 FIRST QUARTER 2025 - WATER MONITORING REPORT DRMS.pdf

Q1_2025_Copper_Sampling_Report_M-1977-410.pdf



FIRST 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 APRIL 30, 2025



D 1

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NO SURFACE WATER SAMPLES WERE COLLECTED BECAUSE NO SURFACE WATER FLOWS WERE OBSERVED

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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 March 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:

- 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 33, 34 and 35 depict surfaces for the months of January, February and March 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 March 13, 2025, serves as the sample for the First 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 First Quarter of 2025 (March 13, 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 March 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. Please note that the value for copper in the Caribou Well duplicate, 0.21 mg/L, is highlighted because is it equal to the standard, when rounded.



Table 2.1.1 Groundwater Quality Test Results – Sample Date March 13, 2025

Sample Collected on:	March 13, 2025							
Parameter	Standard	Cross	Caribou	Caribou Well	Compliance	Field	Unit	Comments
Falallietel	Januaru	Well 👻	Well -	Duplicate 👻	Well 👻	Blank 👻		Comments
Aluminum (Al)	5	ND	ND	ND	ND	0.041	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	0.032	0.0063	0.0060	0.041	0.0020	mg/l	Dissolved
Beta and Photon Emitters	4	1.49	0.812	-0.0987	1.30	0.0253	pCi/l	Std is in mrem/year; Lab reports pCi/l
Boron (B)	0.75	ND	0.026	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	3.6	ND	mg/l	Dissolved
Copper (Cu)	0.2	0.0035	0.15	0.21	ND	ND	mg/l	Dissolved
Gross Alpha Particle Activity	15	-0.251	-0.266	0.279	0.392	0.252	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	0.0070	ND	mg/l	Dissolved
Molybdenum (Mo)	0.21	0.00075	ND	ND	0.0046	ND	mg/l	Dissolved
Nitrate (NO3)	10.0	0.33	0.14	0.14	0.36	ND	mg/l as N	Dissolved
Nitrate-Nitrite (total)	10.0	0.39	0.12	0.12	0.46	ND	mg/l as N	Dissolved
pH (field)	6.5 - 8.5	6.9	6.8	6.8	7.2	n/a	pH units	
Sulfate (SO4)	250	8.3	1.8	1.8	11	ND	mg/l	Dissolved
TDS	400	86	33	33	90	10	mg/l	Total
Uranium (U)	0.0168 -0.03	ND	ND	ND	ND	ND	mg/l	Dissolved
Zinc (Zn)	2	0.51	ND	0.0054	0.097	ND	mg/l	Dissolved
The highlighted cells Indicate	e Test Results Hig	her 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 - January, 2.2.2 February, and 2.2.3 March, provide date and groundwater elevations. The groundwater elevations shown on the tables were used to develop the potentiometric water surfaces depicted on Figures 33, 34, and 35 for the month of January, February, and March 2025, respectively.

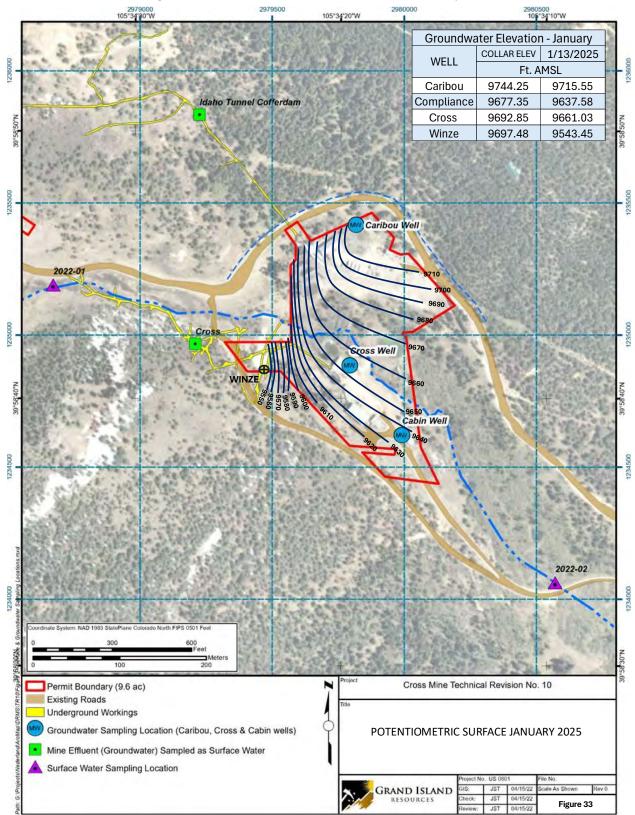
Groundwa	ater Elevatior	n - January
WELL	COLLAR ELEV	1/13/2025
VVELL	Ft. A	MSL
Caribou	9744.25	9715.55
Compliance	9677.35	9637.58
Cross	9692.85	9661.03
Winze	9697.48	9543.45

Groundwa	ter Elevation	- February				
WELL	COLLAR ELEV	2/13/2025				
VVELL	Ft. A	MSL				
Caribou	9744.25	9714.73				
Compliance	9677.35	9637.25				
Cross	9692.85	9658.62				
Winze	9697.48	9539.65				

Table 2.2.3 Wells and Winze Groundwater Elevation – March 2025

Groundw	ater Elevatio	n - March
WELL	COLLAR ELEV	3/13/2025
VVELL	Ft. A	MSL
Caribou	9744.25	9715.6
Compliance	9677.35	9636.85
Cross	9692.85	9657.37
Winze	9697.48	9546.55









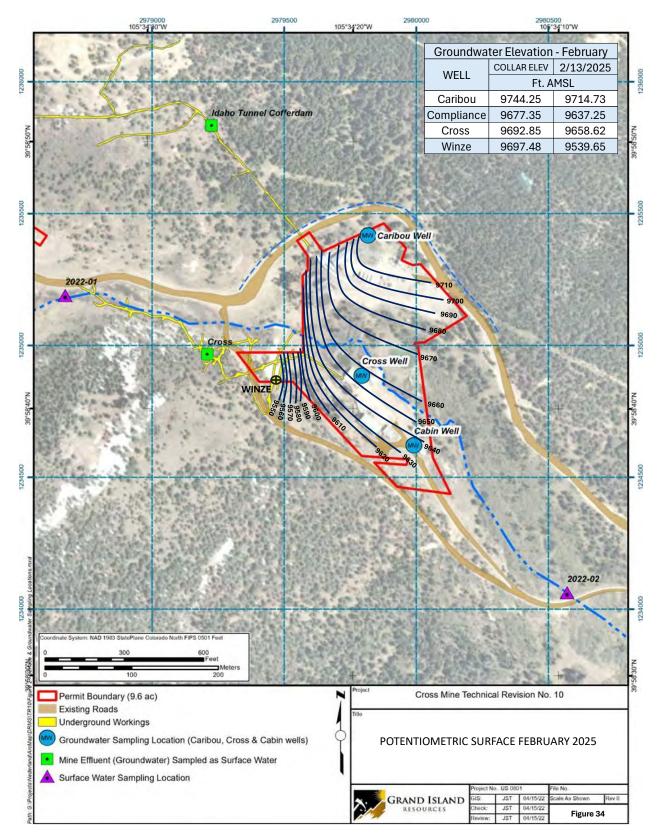


Figure 34 Potentiometric Water Surface – February 2025



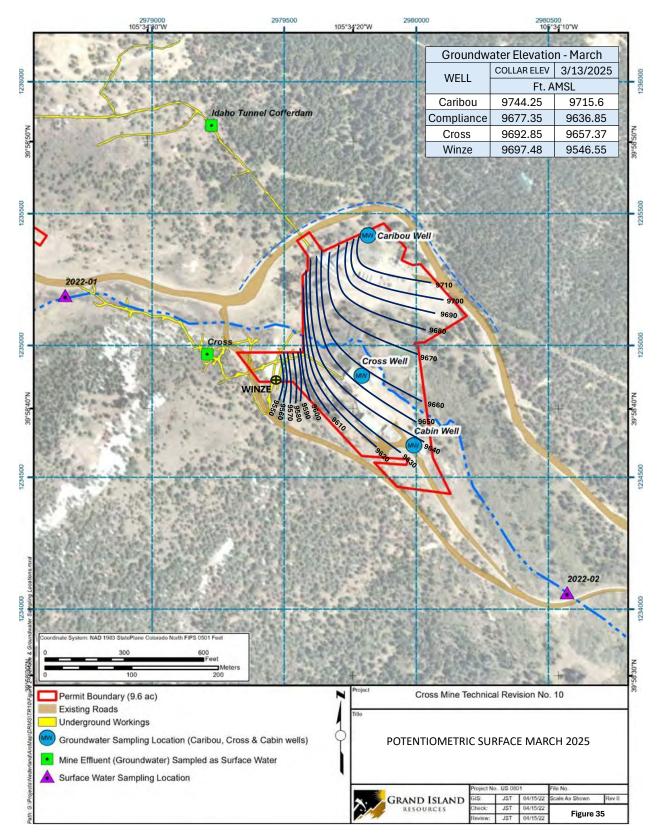


Figure 35 Potentiometric Water Surface – March 2025



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 March 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).



Sample Collected on:	March 13, 2025					
Parameter	Standard -	Cross	Cross Portal	Caribou	Unit	Comments
- Falameter	Januaru	Portal 👻	Duplicate 👻	Portal 🔻	v v	v v
Aluminum (Al)	5	ND	ND	ND	mg/l	Dissolved
Antimony (Sb)	0.006	ND	ND	0.00068	mg/l	Dissolved
Arsenic (As)	0.01	ND	ND	ND	mg/l	Dissolved
Barium (Ba)	2	0.084	0.084	0.055	mg/l	Dissolved
Beta and Photon Emitters	4	0.911	0.794	1.13	pCi/l	Std is in mrem/year; Lab reports pCi/l
Boron (B)	0.75	ND	ND	0.043	mg/l	Dissolved
Cadmium (Cd)	0.005	0.00079	0.00095	ND	mg/l	Dissolved
Chloride (Cl)	250	ND	ND	ND	mg/l	Dissolved
Copper (Cu)	0.2	0.0027	0.0021	ND	mg/l	Dissolved
Gross Alpha Particle Activity	15	1.24	1.17	4.62	pCi/l	
Iron (Fe)	0.3	ND	ND	ND	mg/l	Dissolved
Lead (Pb)	0.05	0.00052	0.00088	ND	mg/l	Dissolved
Manganese (Mn)	0.05	0.019	0.018	0.0016	mg/l	Dissolved
Molybdenum (Mo)	0.21	0.0074	0.0074	0.0072	mg/l	Dissolved
Nitrate (NO3)	10.0	ND	ND	0.14	mg/l as N	Dissolved
Nitrate-Nitrite (total)	10.0	ND	ND	0.11	mg/l as N	Dissolved
pH (field)	6.5 - 8.5	8.1	8.1	8.2	pH units	
Sulfate (SO4)	250	11	11	9.5	mg/l	Dissolved
TDS	400	120	120	130	mg/l	Total
Uranium (U)	0.0168 -0.03	0.00099	0.00097	0.0064	mg/l	Dissolved
Zinc (Zn)	2	0.16	0.17	0.0053	mg/l	Dissolved
The highlighted cells Indicate	e Test Results High	her than the	Reference Value	es from Reg	. 5 CCR 10	02-41
"ND" Indicates Not Detected						

Table 3.1 Effluent Quality Test Results – Sample Date March 13, 2025



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 not collected on March 13, 2015, from both surface water sampling stations because no surface water flows were observed during the sampling event.

4.2. Surface Water Flows

No Surface water flow measurements were taken during sampling event of March 13, 2025, because no surface water flows were observed at the time of the sampling event.



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 at identifying 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 March 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 March 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

No Field Duplicates were collected from surface water stations because no flows were observed during the March 13, 2025 sampling event.



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 January, February, and March 2025, respectively.



Table 6.1 DMR January 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. Pursunt 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 tate CBI claim to cover previously submitted information because efforts to protect the information requested in this form, if persons wish to assert a CBI claim ve direct submitters to contact the <u>NPDES eReporting Help Dusk</u> 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(i)(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 recordeceping 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	# 0	00032751				Permit	ttee:		C	Grand Isla	and Res	ources LLC	5		F	acility:	CROSS	AND CARIBOU	MINES	
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Permit	ted Feature: 00 Ex)1 kternal Outfall				Discharge: 001 Tre					line Wat	ter to Coon	Track	Creek						
Report	t Dates & Status																			
Monito	ring Period: Fr	om 01/01/25 to 01	1/31/25			DMR	Due Date:		0	2/28/25					1	itatus:	NetDMR	Validated		
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00010	Temperature, water deg. centigra	de 1 - Effluent Gross	0	-	Reg.									Reg Mon MX WK AV		Reg Mon DAILY MX		04 - deg 0	99/99 - Continuous	(auto)
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		Gross			Value	-						han in sen							women	
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		1 - Effluent			Semple						-		<	4.0 30.0 30DA AVG		4.0 45.0 DAILY MX		19 - mg/L		GR - Grab
00530	Solids, total suspended	Gross	0	-	Req.	-					-		-	30.0 300A AVG		45.0 DAILT NIA		19 - mg/L 0	01/30 - Monthly	Gec - Grap
_	States and the second				Value NODL	1.000			-			-								
-					Sample			1			5	-	<	2.0				28 - ug/L	01/30 - Monthly	GR - Grab
00978	Arsenic, total recoverable	1 - Effluent Gross	0	+	Permit Req.									Reg Mon 30DA AVG				28 - ug/L 0	01/30 - Monthly	GR - Grab
		Gloss			Value NODI															
-			-	-	Sample			-	-			_	κ.	100.0				28 - ug/L	01/30 - Monthly	GR - Grab
	and the second se	1 - Effluent	1		Permit									Reg Mon 30DA AVG				28 - ug/L 0	01/30 - Monthly	GR - Grab
08600	iron, total recoverable	Gross	0	-	Reg. Value									1						
				-	NODI		-	-	-			-						_		
					Sample	-							*	21.0		21.0		28 - ug/L	01/30 - Monthly	GR - Grab
01094	Zinc, total recoverable	1 - Effluent Gross	0		Reg.								1.0	750.0 30DA AVG	9	1500.0 DAILY MX		28 - ug/L 0	01/30 - Monthly	GR - Grab
					Value: NODI															
			1		Sample			1			1	-	×.	1.0	4	1.0		28 - ug/L	01/30 - Monthly	GR - Grab
01112	Cadmium, total recoverable	1 - Effluent	0	1	Permit Req.								-	50.0 30DA AVG	<2	300.0 DAILY MX		28 - ug/L 0	01/30 - Monthly	GR - Grab
91115	Sustainant, total recoverable	Gross	V.	10	Value	-												0		
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																			02/30 - Twice Per	



Table 6.1 DMR January 2025 (continued)

01114	Lead, total recoverable	1 - Effluent Gross	0	-	Permit Reg.		e ca	1.0 300.0 30DA AVG	к ся.	1.0 600.0 DAILY MX	28 - ug/L 28 - ug/L 0	Month 02/30 - Twice Per Month	GR - Grab
					Value NODI								
			1		Sample		×	2.0	×	2.0	28 - ug/L	02/30 - Twice Per Month	GR - Grab
01119	Copper. total recoverable	1 - Effluent Gross	0	-	Permit. Req.		<7	150.0 30DA AVG	41	300.0 DAILY MX	28 - ug/L 0	02/30 - Twice Per Month	GR - Grab
					Value NODI							1.1	1.5
	Chromium, hexavalent dissolved [as	1 - Effluent			Sample Permit		*	20.0 Reg Mon 30DA AVG	<	20.0 Reg Mon DAILY MX	28 - ug/L 28 - ug/L	01/30 - Monthly 01/30 - Monthly	GR - Grab
01220	Cr]	Gross	0	-	Reg. Value NODI			net not substate			20-0gr 0	ou so - monany	ON CHAR
			-	1	Sample			25.5		29.0	28 - ug/L	02/30 - Twice Per Month	GR - Grab
01303	Zinc, potentially dissolved	1 - Effluent Gross	1		Permit Req.		a	186.0 300A AVG	<=	184.0 DAILY MX	28 - ug/L 0	02/30 - Twice Per Month	GR - Grab
		01000			Value NODI								
					Sample				<	0.5	28 - ug/L	02/30 - Twice Per Month	GR - Grab
01304	Silver, potentially dissolved	1 - Effluent	4		Permit Req.		ca	0.12 30DA AVG	<	2.9 DAILY MX	28 - ug/L n	02/30 - Twice Per Month	GR - Grab
		Gross			Value NODI			B - Below Detection Limit/No Detection					
			-	1	Sample			2.0	4	2.0	28 - ug/L	02/30 - Twice Per Month	GR - Grab
01306	Copper, potentially dissolved	1 - Effluent	1	-	Permit		<	13.0.30DA AVG	c =	18.0 DAILY MX	28 - ug/L 0	02/30 - Twice Per Month	GR - Grat
	the state of a state	Gross			Req. Value NODI						1		
-			-	-	Sample				<	20	28 - ug/L	01/30 - Monthly	GR - Grab
01309	Arsenic, potentially dissolved	1 - Effluent Gross	0	-	Permit Req.					Reg Mon DAILY MX	28 - ug/L 0	01/30 - Monthly	GR - Grat
				-	Value NODI				1	la de la desta			
			-		Sample				~	1.0	28 - ug/L	02/30 - Twice Per Month	GR - Grat
01313	Cadmium, potentially dissolvd	1 - Effluent	1	-	Permit Req.		<=	0.63 30DA AVG	4z	2.3 DAILY MX	28 - ug/L 0	02/30 - Twice Per Month	GR - Grat
		Gross			Value NODI			B - Below Detection Limit/No Detection					
-					Sample	2 1 1 1	×	30	-	4	28 - ug/L	01/30 - Monthly	GR - Grat
01314	Chromium, trivalent, potentially dissolvd	1 - Effluent Gross	0	- 10	Permit Req.			Reg Mon 30DA AVG			28 - ug/L 0	01/30 - Monthly	GR - Grat
		overe l			Value NODI								
		-0.5			Sample		×	1.0	ĸ	1.0	28 - ug/L	02/30 - Twice Per Month	GR - Grat
01318	Lead, potentially dissolvd	1 - Effluent Gross	1	14	Permit Req.		<3	3.8 30DA AVG	0	85.0 DAILY MX	28 - ug/L 0	02/30 - Twice Per Month	GR - Grat
11		1.41.1			Value NODI	1 G F 1 G F 1 G	- 4 · · · · · · · · · · · · · · · · · ·		41.1		1.1		1.
					Samplu Pormit		×	3.0	ĸ	3.0	28 - ug/L	01/30 - Monthly	GR - Grab
01319	Manganese, potentially dissolvd	1 - Effluent Gross	0	-	Req. Value			Reg Mon 30DA AVG		Reg Mon DAILY MX	28-ug/L 0	01/30 - Monthly	GR - Grab
			-	-	NODI Sample		×	3.0	×	3.0	28 - ug/L	01/30 - Monthly	GR - Grab
01322	Nickel, potentially dissolvd	1 - Effluent Gross	0	1	Permit Req.			Reg Mon 30DA AVG		Reg Mon DAILY MX	28 - ug/L 0	01/30 - Monthly	GR - Grab
					Value NODI								1
					Sample Pormit		×	20	<	20	28 - ug/L	01/30 - Monthly	GR - Grab
01323	Selenium, potentially dissolvd	1 - Effluent Gross	0	-	Req. Value			Reg Mon 30DA AVG		Reg Mon DAILY MX	28 - ug/L 0	01/30 - Monthly	GR - Grab
			-		NODI				-				
		1 - Effluent			Sample Permit Req.				<=	10.0 INST MAX	19 - mg/L	77/77 - Contingent	GR - Grat
03582	Oil and grease	Gross	0	-	Value NGOI				1	9 - Conditional Monitoring - Not Required This Period	Ŧ		
			-	-	Sample				<	3.0	28 - ug/L	01/30 - Monthly	GR - Grab
	Chromium, trivalent total	1 - Effluent			Permit					Reg Mon DAILY MX	28 - ug/L	01/30 - Monthly	GR - Grab



Table 6.1 DMR January 2025 (continued)

	recoverable	Gross	0		Value NODI												0	
-	A			-	Sample						0.052365		0.0778			03 - MGD	99/99 - Continue	RC - Recorder
50050	Flow, in conduit or thru treatment	1 - Effluent	1	-	Permit					<=	0.103 30DA AVG		Reg Mon	DAILY MX		03 - MGD	0 99/99 - Continue	DO DUUR
	plant	Gross			Req. Value											mou		(auto)
-			-	-	NODI Sample	-	-			*	1.0	-	-			19 - mg/L	01/30 - Monthly	GR - Grab
51202	Sulfide-hydrogen sulfide	1 - Effluent	0		Permit Reg.						Reg Mon 30DA AVG					19 - mg/L		GR - Grab
1202	[undissociated]	Gross	ů.	-	Value.													
		-	-	-	NODI Sample	-	-			R	02	~	0.2			28-ug/L	01/30 - Monthly	GR - Grab
	Mercury, total [as Hg]	1 - Effluent	0		Permit Reg.					<1	1.0 30DA AVG	-	2.0 DAIL	YMX		28-ug/L		GR - Grab
1900	mercury, total [as Hg]	Gross	Ů.	-	Value.												0	
-			-	-	NODI	-	0.0		AB - abst=0.prst=1	-	-		-			-	02/30 - Twice P	VI - Visual
		1 - Effuent			Permit	1.1		g Mon INST	AR.								Month	VI - VISON
34066	Oil and grease visual	Gross	0	-	Req.		M	x	abst=0;prst=1								0 02/30 - Twice Pr Month	VI - Visual
					Vatue NGDI													
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Table 6.2 DMR February 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 2.230(a), DFA 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 houses to protect the information reductively practicable and with practicable and bublic. 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 <u>NPDFS eReporting Helin Dask</u> 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(I)(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 recordine optimization are 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	#: CO0	32751				Permittee:		Grand Isl	and Res	ources LLC	2		F	acility:		CROSS AND	ARIBOL	J MINES		
Major:	No					Permittee Address:		12567 W Lakewoo		r Ste 110 228			F	acility Location:		CROSS AND CARIBOU MINES BOULDER COUNTY, CO 80466				
Permitt	ed Feature: 001 Exter	nal Outfall				Diacharge: 001-A Treated Mine Water to Coon Track Creek														
Report	Dates & Status					,														
Monito	ring Period: From	02/01/25 to 02	28/25			DMR Due Date:		03/28/25					15	tatus:		NetDMR Valid	ated			
Consid	erations for Form Completion																			
	grease - see I.A.2, pg 3. 30 day aver al Executive Officer	age is the highe	est month	nly average	e during pe	eriod reported.														
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Code	Name	Location		NODI		Qualifier Value Qualifier	Value 7	Units	Qualifie	r Value 1	Gualifie 2	c Value 2	Gealifi	π.	Value 3		Inits E	a. Analysis		
		-			Sample	1 1 2		_	-	-	-	5.0		6.8		04	- deg	99/99 - Continuous	RC - Recorder	
		1 - Effluent			Permit														(auto)	
00010	Temperature, water deg. centigrade	Gross	0	-	Req.							Reg Mon MX WK AV		Req Mon DAILY MX		C	- deg 0	99/99 - Continuous	(auto)	
					Value NODI															
				-	Sample				-	7.7			-	8.0		12	- SU	02/30 - Twice Per Month	GR - Grab	
00400	рн	1 - Effluent Gross	0	-	Permit Req.				-	6.5 MINIMEM			-	9.0 MAXIMUM		12	-su o	02/30 - Twice Per Month	GR - Grab	
		GIUSS			Value					The state of the								inomit.		
_			-	-	NÖDI			_	-	-	<	4.0	*	4.0			-	01/30 - Monthly	GR - Grab	
		1 - Effluent			Sample Permit						-	30.0 30DA AVG	<	450 DAILY MX			-mg/L -mg/L		GR - Grab	
00530	Solids, total suspended	Gross	0		Reg. Value						~	30.0 300A AVG		45.0 DAILY MA		19	. mg/L 0	01/30 - Monthly	GR - Grab	
		1.000			NODI	1				1.00	1.1	1						and the second second	-	
		-	-		Sample			_		-	<	2.0					- ug/L	01/30 - Monthly	GR - Grab	
00978	Arsenic, total recoverable	1 - Effluent Gross	0	-	Permit Req.							Reg Mon 30DA AVG				28	-ug/L 0	01/30 - Monthly	GR - Grab	
		01033			Value NODL															
_		1	-		Sample		1. The second se	-			<	100.0		1		28	- ug/L	01/30 - Monthly	GR - Grab	
00080	iron, total recoverable	1 - Effluent	0		Permit Reg.							Reg Mon 30DA AVG				28	-ug/L n	01/30 - Monthly	GR - Grab	
00300	non, total recoverable	Gross	0	-	Value												0			
_		_	-		NODI		-	-	-		-	24.0		24.0		0.0		0.000 11-01-	20. C-1	
					Sample						G	750.0 30DA AVG	ici i	1500.0 DAILY MX			- ugʻL	01/30 - Monthly 01/30 - Monthly	GR - Grab	
01094	Zinc, total recoverable	1 - Effluent Gross	0	-	Req.	_						750.0 300A AVG	· ·	1500.0 DAILT MA		28	- ug/L 0	01/30 - Monthly	GR - Grab	
			-		Value NODL	A second second														
-					Sample		-	1	-	-	<	1.0	×	1.0			- ug/L	01/30 - Monthly	GR - Grab	
01113	Cadmium, total recoverable	1 - Effluent Gross	0	-	Permit Req.						<=	50.0 30DA AVG	<=	300.0 DAILY MX		28	-ug/L 0	01/30 - Monthly	GR - Grab	
		01055			Value NODI															
-			-		nout			-	-	-	-		_				-	02/30 - Twice Per	-	



Table 6.2 DMR February 2025 (continued)

1114	Lead, total recoverable	1 - Effluent Gross	0	-	Sample Permit Ren.	< <=	1.0 300.0 30DA AVG	< .	1.0 600.0 DAILY MX	28 - ug/L 28 - ug/L 0	Month 02/30 - Twice Per Month	GR - Grab
					Valize NODI						Month	
			1	1	Sample	× -	2.0	4	20	28 - ug/L	02/30 - Twice Per Month	GR - Grab
1119	Copper, total recoverable	1 - Effluent	0	2	Permit Req.	<= .	150.0 30DA AVG	<=	300.0 DAILY MX	28-ug1 0	02/30 - Twice Per Month	GR - Grab
		Gross			Value NODI			-			ind a l	
-			-	-	Sample	×	20.0	ĸ	20.0	28 - ug/L	01/30 - Monthly	GR - Grab
1220	Chromium, hexavalent dissolved [as	1 - Effluent	0	-	Parmit Reg.		Reg Mon 30DA AVG		Reg Mon DAILY MX	28 - ug/L 0		GR - Grab
	cŋ	Gross			Value NODI							
-					Sample	k.	27.5	1	28.0	28 - ug/L	02/30 - Twice Per Month	GR - Grab
1303	Zinc, potentially dissolved	1 - Effluent	2	-	Permit	(*	186.0 30DA AVG	-	203.0 DAILY MX	28-ug/L 0	02/30 - Twice Per	GR - Grab
		Gross	1		Reg. Value						Month	
-			-	_	NODI		-			20	02/30 - Twice Per	OR Out
					Sample. Permit		A second state		0.5	28 - ug/L	Month	GR - Grab
1304	Silver, potentially dissolved	1 - Effluent Gross	2	÷	Req	42	0.12 30DA AVG	<=	3.2 DAILY MX	28 - ug/L 0	Month	GR - Grab
					Value NODI		B - Below Detection Limit/No Detection					
		CONTRACT.			Sample	×	20	<	20	28 - ug/L	02/30 - Twice Per Month	GR - Grab
1306	Copper, potentially dissolved	1 - Effluent	2	4	Permit	(=	13.0 30DA AVG	<=	20.0 DAILY MX	28-ugt 0	02/20 Tains Day	GR - Grab
		Gross	1		Req. Value			1			MONT	
			-	-	NODI Sample			- < -	2.0	28 - Ug L	01/30 - Monthly	GR - Grab
1309	Arsenic, potentially dissolved	1 - Effluent	0	-	Permit Resp.				Reg Mon DAILY MX	28-ug1 0	And a second second second	GR - Grab
		Gross			Walium MODI							
					Sample			*	1.0	28 - ug/L	02/30 - Twice Per Month	GR - Grab
		1 - Effluent			Permit		0.63 30DA AVG	-	2.5 DAILY MX	28 - ugiL 0		GR - Grab
1313	Cadmium, potentially dissolvd	Gross	2	~	Req. Value		B - Below Detection Limit/No			0	Month	are aller
_		-			NODI		Detection					
					Sample Permit	×	3.0			28 - ug/L	01/30 - Monthly	GR - Grab
1314	Chromium, trivalent, potentially dissolvd	1 - Effluent Gross	0	-	Reg. Value		Reg Mon 30DA AVG			28 - ug/L 0	01/30 - Monthly	GR - Grab
_			-		NOBI				1			-
					Sample	*	1.0	¢.	1.0	28 - ug/L	02/30 - Twice Per Month	GR - Grab
1318	Lead, potentially dissolvd	1 - Effluent Gross	2	÷	Permit: Req.	a	3.8 30DA AVG	<0	94.0 DAILY MX	28 - ug/L 0	02/30 - Twice Per Month	GR - Grab
					Value NODI					1.00		E.I.
					Sample Permit	×	30	<	3.0	28 - ugit	01/30 - Monthly	GR - Grab
1319	Manganese, potentially dissolvd	1 - Effluent Gross	0	-	Reg.		Reg Mon 30DA AVG		Req Mon DAILY MX	28 - ug/L 0	01/30 - Monthly	GR - Grab
			-		Value NODI							
		1 - Effluent			Sample Permit	*	3.0 Reg Mon 30DA AVG	×	3.0 Reg Mon DAILY MX	28 - ugit.	01/30 - Monthly 01/30 - Monthly	GR - Grab
1322	Nickel, potentially dissolvd	Gross	0	7	Req. Value		red anon anone error	-	said spectrum to any	28 - ug/L 0	Jango - Monuny	OR - GIBD
_		_	-		NODI Sample		20	5	20	28 - ug/L	01/30 - Monthly	GR - Grab
		1 - Effluent			Permit		Reg Mon 30DA AVG	-	Reg Mon DAILY MX	28 - ug/L 0		GR - Grab
1323	Selenium, potentially dissolvd	Gross	0	-	Reg. Value		PROVERS OF			- 0		
-			-	T	NODI Sample			-		1.1	1	-
		1 - Effluent			Permit Reg.			<=	10.0 INST MAX	19 - mg/L	77/77 - Contingent	GR - Grab
13582	Oil and grease	Gross	0	-	Valce				9 - Conditional Monitoring - Not Required This			
				1	NODI			1.	Period	D. 14		1
_					Sample			×	3.0	28 - ugl	01/30 - Monthly	GR - Grab



Table 6.2 DMR February 2025 (continued)

04262 recoverable	Gross	0	-	Value NODI									0		
11.000000000000000000000000000000000000				Sample				¥ .	0.049968		0.0705		03 - MGD	99/99 - Continuous	RC - Recorder (auto)
50050 Flow, in conduit or thru treatment		2	-	Parmit				<=	0.103 30DA AVG		Reg Mon DAILY MX		03 - MGD 0	99/99 - Continuous	RC - Recorder
plant	Gross			Req. Value									MGU		(auto)
	_		-	NODI Sample		_		~	1.0	_			19 - mg/L	01/30 - Monthly	GR - Grab
Sulfide-hydrogen sulfide	1 - Effluent			Permit					Reg Mon 30DA AVG				19 - mg/L 0		GR - Grab
51202 Sulfide-hydrogen sulfide [undissociated]	Gross	0	-	Req. Value					Led more and				is-indu: 0	on so - normally	City - Citab
				NOOT		-		-		-					
	i female			Sample Permit				1	0.2 1.0 30DA AVG	<. (2	0.2 2.0 DAILY MX		28 - ug/L	01/30 - Monthly	GR - Grab
71900 Mercury, total [as Hg]	1 - Effluent Gross	0	-	Reg. Value				48	TU SUDA AVG	<1	2.0 DAILY MX		28 - ug/L 0	01/30 - Monthly	GR - Grab
and a second sec			-	NODI		_		_		_				100 million (1990)	-
				Sample	1.4	0.0	AB - abst=0;prst=1							02/30 - Twice Per Month	VI - Visual
34066 Oil and grease visual	1 - Effluent	0	-	Permit Reg.		Req Mon INST MAX	AB - abst=0;prst=1						0	02/30 - Twice Per Month	VI - Visual
	Gross			Value NODI		MAA	abar-u prai- i							Month	
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Table 6.3 DMR March 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 2.23(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 expected to the types of information requested in this form, if persons wish to assert a CBI claim we direct submitters to contact the <u>NPDES eReporting Help Desk</u> for further guidance. Please note that EPA may contact you after you submit this report for more information.

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Permit	#: CC	00032751				Permittee:		Grand Isl	and Res	ources LLC	2		F	acility:	CROSS AND CARIE	BOU	MINES		
Major:	No					Permittee Address			12567 W Cedar Dr Ste 110 Lakewood, CO 80228				F	acility Location:	CROSS AND CARIBOU MINES BOULDER COUNTY, CO 80466				
Permit		001 External Outfall			Discharge:	001-A Treated M	001-A Treated Mine Water to Coon Track Creek												
Repor	Dates & Status					1													
	onitoring Period: From 03/01/25 to 03/31/25 onsiderations for Form Completion					DMR Due Date:		04/28/25					s	tatus:	NetDMR Validated				
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					Sample					-		54	-	6.4	D4 - deg C		99/99 - Continuous	RC - Recorder	
	Street, Mills Take	1 - Effluent			Permit			_			-							(auto)	
00010	Temperature, water deg. centigrad	Gross	0	2	Req.		-	-	-			Reg Mon MX WK AV	-	Reg Mon DAILY MX	04 - deg C	0	99/99 - Continuous	(auto)	
					Value NODI														
					Sample					7.7	-		2	8.1	12 - SU	1	02/30 - Twice Per Month	GR - Grab	
00400		1 - Effluent	0	-	Permit				>=	6.5			<=	9.0 MAXIMUM	12 - SU		02/30 - Twice Per Month	GR - Grab	
00400	pri	Gross	U	-	Req. Value				-	MINIMUM			-	e.u movanium	12-30		Month	OR - Grab	
					NODI											_			
					Sample Permit		-	-	-		<	4.0	<	4.0	19 - mg/L		01/30 - Monthly	GR - Grab	
00530	Solids, total suspended	1 - Effluent Gross	0	-0	Req.						<=	30.0 30DA AVG	<=	45.0 DAILY MX	19 - mg/L	0	01/30 - Monthly	GR - Grab	
		12:5			Value NODI	· · · · · · · · · · · · · · · · · · ·													
-			-	-	Sample	-				-	<	2.0			28 - ug/L		01/30 - Monthly	GR - Grab	
00978	Arsenic, total recoverable	1 - Effluent	0	-	Permit Reg.							Reg Mon 30DA AVG			28 - ug/L	0	01/30 - Monthly	GR - Grab	
	Pri serito, total recoverable	Gross			Value				-							1			
-		-	-	-	NODI Sample	-		-	-	-	<	100.0			28 - ug/L	-	01/30 - Monthly	GR - Grab	
		1 - Effluent			Permit				-		-	Reg Mon 30DA AVG			28 - ug/L 28 - ug/L		01/30 - Monthly	GR - Grab	
00980	Iron, total recoverable	Gross	0	-	Req. Value							hed mon 2004 MAD			20-091	0	o noo - monany	OIL-OID	
					NODI														
					Sample Permit							20.5	-	29.0	28 - ug/L		01/30 - Monthly	GR - Grab	
01094	Zinc, total recoverable	1 - Effluent Gross	0	-	Req.						<=	750.0 30DA AVG	<=	1500.0 DAILY MX	28 - ug/L	0	01/30 - Monthly	GR - Grab	
					Value NODI														
1			-	1	Sample			-	1	1	<	1.0	<	1.0	28 - ug/L	1	01/30 - Monthly	GR - Grab	
01112	Cadmium, total recoverable	1 - Effluent	0		Permit Req.						<=	50.0 30DA AVG	<=	300.0 DAILY MX	28 - ug/L		01/30 - Monthly	GR - Grab	
	Suaman, total recoverable	Gross			Value				1	1									
-			_	-	NODI		-		-	-	-	-	-	1		-	02/30 - Twice Per	-	
																	uppu- rwice rer		



Table 6.3 DMR March 2025 (continued)

		1 - Effluent			Sample		<	1.0	<	1.0	28 - ug/L	Month	GR - Grab
01114	Lead, total recoverable	Gross	0	÷	Permit Req.		<=	300.0 30DA AVG	<=	600.0 DAILY MX	28 - ug/L 0	02/30 - Twice Per Month	GR - Grab
					Value NODI								
-			-	-	Sample		- F	1.27	1	3.8	28 - ug/L	02/30 - Twice Per Month	GR - Grab
	Courses total assessmently	1 - Effluent	0		Permit		<=	150.0 30DA AVG	<=	300.0 DAILY MX	28 - ug/L 0	02/30 - Twice Per	GR - Grab
onna	Copper, total recoverable	Gross	0	-	Req. Value			100.0 3004 400		Sub a DAILET MA	20-09-0	Month	ore-orab
_				-	NODI				_				
					Sample Permit		<	20.0	<	20.0	28 - ug/L	01/30 - Monthly	GR - Grab
01220	Chromium, hexavalent dissolved [as Cr]	1 - Effluent Gross	0	-	Reg. Value			Reg Mon 30DA AVG		Reg Mon DAILY MX	28 - ug/L 0	01/30 - Monthly	GR - Grab
-		-		-	NODI								
					Sample		-	18.5	=	19.0	28 - ug/L	02/30 - Twice Per Month	GR - Grab
01303	Zinc, potentially dissolved	1 - Effluent Gross	з		Permit Reg.		<=	176.0 30DA AVG	<=	194.0 DAILY MX	28 - ug/L 0	02/30 - Twice Per Month	GR - Grab
		0.035			Value NODI								
-		-	-	-	Contrast Car			-	<	0.5	28 - ug/L	02/30 - Twice Per	GR - Grab
		1000			Sample Permit		10.0					Month 02/30 - Twice Per	
01304	Silver, potentially dissolved	1 - Effluent Gross	3	-	Reg.		<=	0.11 30DA AVG	<=	3.0 DAILY MX	28 - ug/L 0	Month	GR - Grab
					Value NODI			B - Below Detection Limit/No Detection					
			-	-	Sample		~	2.0	<	2.0	28 - ug/L	02/30 - Twice Per	GR - Grab
	SACARD BERTH	1 - Effluent	1.		Permit				- 6		- Contraction of the local division of the l	Month	
01306	Copper, potentially dissolved	Gross	3	*	Req.		48	13.0 30DA AVG	<=	19.0 DAILY MX	28 - ug/L 0	Month	GR - Grab
_		-	_	-	Value NODI				11		1.00		1
		Same		-	Sample Permit				<	2.0	28 - ug/L	01/30 - Monthly	GR - Grab
01309		1 - Effluent Gross	0	-	Req.					Reg Mon DAILY MX	28 - ug/L 0	01/30 - Monthly	GR - Grab
					Value NODI						-		
					Sample				<	1.0	28 - ug/L	02/30 - Twice Per Month	GR - Grab
		1 - Effluent			Permit		<=	0.6 30DA AVG	<=	2.4 DAILY MX	28 - ug/L 0		GR - Grab
01313	Cadmium, potentially dissolvd	Gross	3	-	Req. Value			B - Below Detection Limit/No				MONDI	1
-					NODI			Detection	- 11				
	an anna anna 2	S. A. S. L. L.			Sample Permit		<	3.0			28 - ug/L	01/30 - Monthly	GR - Grab
01314	Chromium, trivalent, potentially dissolvd	1 - Effluent Gross	0	-	Req.			Reg Mon 30DA AVG			²⁸ - ug/L 0	01/30 - Monthly	GR - Grab
					Value NODI								
			1		Sample		<	1.0	<	1.0	28 - ug/L	02/30 - Twice Per Month	GR - Grab
01318	Lead, potentially dissolvd	1 - Effluent	3	-	Permit		4	3.6 30DA AVG	<=	90.0 DAILY MX	28 - ug/L 0	02/30 - Twice Per	GR - Grab
		Gross	151		Req. Value			Wardship in the				Month	
_		_	-	-	NODI Sample			3.0	<	3.0	28 - ug/L	01/30 - Monthly	GR - Grab
	a martin and a start of the	1 - Effluent			Permit			Reg Mon 30DA AVG		Reg Mon DAILY MX	28-ug/L 0		GR - Grab
u1319	Manganese, potentially dissolvd	Gross	0		Reg. Value								
		-	-	-	NODI Sample			3.0		3.0	28 - ug/L	01/30 - Monthly	GR - Grab
	and show the first of	1 - Effluent			Permit		i i	Reg Mon 30DA AVG	-	Reg Mon DAILY MX	28 - ug/L 28 - ug/L 0		GR - Grab
01322	Nickel, potentially dissolvd	Gross	0	-	Req. Value			and over open sets.		a real manual title 1 miles	0	- nou - monerally	Shir Shab
_		-	-	-	NODI		<	2.0		2.0	28 - ug/L	01/30 - Monthly	GR - Grab
		1 - Effluent			Sample Permit			2.0 Reg Mon 30DA AVG	-	2.0 Reg Mon DAILY MX	and the second se		GR - Grab
01323	Selenium, potentially dissolvd	Gross	0		Reg. Value			Ived moti conservice.		THEY MON DIALET MA	28 - ug/L 0	o nou - monunly	on - orab
			-	-	NODI		-						
					Sample Permit				<=	10.0 INST MAX	10		
03582	Oil and grease	1 - Effluent Gross	0	4	Req.				<=		19 - mg/L	77/77 - Contingent	GRC- Grab
				1.000	Value NOOI					9 - Conditional Monitoring - Not Required This Period			
-			-	-	Sample	1 1			<	3.0	28 - ug/L	01/30 - Monthly	GR - Grab
	Chromium, trivalent total	1 - Effluent			Permit Reg.					Reg Mon DAILY MX	28 - ug/L	01/30 - Monthly	GR - Grab



Table 6.3 DMR March 2025 (continued)

_	recoverable	Gross	0	-	Value NODI										0			
					Sample				1	0.054252	E.	0.0824		03 - MGD	1	99/99 - Continuous	RC - Recorde (auto)	
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	3	-	Permit Req.				4	0.129 30DA AVG		Reg Mon DAILY MX		03 - MGD	٥	99/99 - Continuous	RC - Recorde (auto)	
					Value NODI													
				-	Sample				<	1.0				19 - mg		01/30 - Monthly	GR - Grab	
51202	Sulfide-hydrogen sulfide [undissociated]	1 - Effluent Gross	0	0	-	Permit Req. Value					Req Mon 30DA AVG				19 - mg	^L 0	01/30 - Monthly	GR - Grab
					NODI									-	1.00			
1.1	(TEO 2)	Lange and		1.00	Sample				×	0.2	<	0.2		28 - ug/l		01/30 - Monthly	GR - Grab	
71900	Mercury, total [as Hg]	1 - Effluent Gross	0	-	Permit Req.				<=	1.0 30DA AVG	C#	2.0 DAILY MX		28 - ug/l	٥ ا	01/30 - Monthly	GR - Grab	
		Gross			Value NODI													
		1	1		Sample	-	0.0	AB - abst=0;prst=1									VI - Visual	
84066	Oil and grease visual	1 - Effluent	o	-	Permit Reg.		Req Mon INST MAX	AB -							0	02/30 - Twice Per Month	VI - Visual	
		Gross			Value NODI		MAAA	abst=u;prst=1								Monun		
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M-1977-410 1st Quarter 2025 Report April 30, 2025 APPENDICES

APPENDIX A GROUNDWATER AND EFFLUENT ANALYTICAL RESULTS



Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Brooke Molson Moran Grand Island Resources 12567 West Cedar Road Suite 110 Lakewood, Colorado 80228 Generated 3/26/2025 1:22:16 PM

JOB DESCRIPTION

Nederland, CO - Groundwater

JOB NUMBER

280-204345-1

Eurofins Denver 4955 Yarrow Street Arvada CO 80002







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

-B-J

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

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Definitions/Glossary

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

Job ID: 280-204345-1

Qualifiers

Qualifiers		3
<mark>Metals</mark> Qualifier	Qualifier Description	4
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.	5
General Che	emistry	
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	8
G	The Sample MDC is greater than the requested RL.	
U	Result is less than the sample detection limit.	9
Glossary		4 (
Abbreviation	These commonly used abbreviations may or may not be present in this report.	
 \Phi	Listed under the "D" column to designate that the result is reported on a dry weight basis	4 4
%R	Percent Recovery	
CFL	Contains Free Liquid	
CFU	Colony Forming Unit	
CNF	Contains No Free Liquid	4.0
DFR	Dunlicate Error Ratio (normalized absolute difference)	

Abbieviation	These commonly used appreviations may of 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: 280-204345-1

Eurofins Denver

Job Narrative 280-204345-1

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 3/13/2025 3:43 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 4.7°C and 4.9°C.

Receipt Exceptions

Due to laboratory error related to fulfillment of the sampling kit provided to the client, the sample volume received for the requested 353.2 Nitrate/Nitrite analysis for the following samples was received as unpreserved sample volume. The client was notified on 3/13/2025 that the laboratory will proceed with the requested analysis by appropriately preserving an aliquot of unpreserved sample volume with sulfuric acid within 48 hours of the sample collection date/time: CARIBOU PORTAL (280-204345-1), CARIBOU WELL (280-204345-2), CARIBOU WELL 02 (280-204345-3), CROSS PORTAL (280-204345-4), CROSS PORTAL 02

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Job ID: 280-204345-1 (Continued)

(280-204345-5), COMPLIANCE WELL (280-204345-6), COMPLIANCE 03 (280-204345-7) and CROSS WELL (280-204345-8).

Method 200.7 Rev 4.4 - Metals (ICP) - Dissolved

Samples CARIBOU PORTAL (280-204345-1), CARIBOU WELL (280-204345-2), CARIBOU WELL 02 (280-204345-3), CROSS PORTAL (280-204345-4), CROSS PORTAL 02 (280-204345-5), COMPLIANCE WELL (280-204345-6), COMPLIANCE 03 (280-204345-7) and CROSS WELL (280-204345-8) were analyzed for Metals (ICP) - Dissolved. The samples were prepared on 3/14/2025 and analyzed on 3/18/2025.

Method 200.8 - ICPMS Total Metals - Dissolved

Samples CARIBOU PORTAL (280-204345-1), CARIBOU WELL (280-204345-2), CARIBOU WELL 02 (280-204345-3), CROSS PORTAL (280-204345-4), CROSS PORTAL 02 (280-204345-5), COMPLIANCE WELL (280-204345-6), COMPLIANCE 03 (280-204345-7) and CROSS WELL (280-204345-8) were analyzed for ICPMS Total Metals - Dissolved. The samples were prepared on 3/14/2025 and analyzed on 3/17/2025.

The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 280-687687 and analytical batch 280-687958 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 CARIBOU PORTAL (280-204345-1), CARIBOU WELL (280-204345-2), CARIBOU WELL 02 (280-204345-3), CROSS PORTAL (280-204345-4), CROSS PORTAL 02 (280-204345-5), COMPLIANCE WELL (280-204345-6), COMPLIANCE 03 (280-204345-7) and CROSS WELL (280-204345-8) were analyzed for Solids, Total Dissolved (TDS). The samples were analyzed on 3/18/2025.

Method 300.0 - Anions, Ion Chromatography

Samples CARIBOU PORTAL (280-204345-1), CARIBOU WELL (280-204345-2), CARIBOU WELL 02 (280-204345-3), CROSS PORTAL (280-204345-4), CROSS PORTAL 02 (280-204345-5), COMPLIANCE WELL (280-204345-6), COMPLIANCE 03 (280-204345-7) and CROSS WELL (280-204345-8) were analyzed for Anions, Ion Chromatography. The samples were analyzed on 3/14/2025.

Method 353.2 - Nitrogen, Nitrate-Nitrite

Samples CARIBOU PORTAL (280-204345-1), CARIBOU WELL (280-204345-2), CARIBOU WELL 02 (280-204345-3), CROSS PORTAL (280-204345-4), CROSS PORTAL 02 (280-204345-5), COMPLIANCE WELL (280-204345-6), COMPLIANCE 03 (280-204345-7) and CROSS WELL (280-204345-8) were analyzed for Nitrogen, Nitrate-Nitrite. The samples were analyzed on 3/14/2025.

Method SM 4500 CI- E - Chloride, Total

Samples CARIBOU PORTAL (280-204345-1), CARIBOU WELL (280-204345-2), CARIBOU WELL 02 (280-204345-3), CROSS PORTAL (280-204345-4), CROSS PORTAL 02 (280-204345-5), COMPLIANCE WELL (280-204345-6), COMPLIANCE 03 (280-204345-7) and CROSS WELL (280-204345-8) were analyzed for Chloride, Total. The samples were analyzed on 3/14/2025.

Method SM 4500 SO4 E - Sulfate, Total

Samples CARIBOU PORTAL (280-204345-1), CARIBOU WELL (280-204345-2), CARIBOU WELL 02 (280-204345-3), CROSS PORTAL (280-204345-4), CROSS PORTAL 02 (280-204345-5), COMPLIANCE WELL (280-204345-6), COMPLIANCE 03 (280-204345-7) and CROSS WELL (280-204345-8) were analyzed for Sulfate, Total. The samples were analyzed on 3/19/2025.

The matrix spike (MS) recovery for analytical batch 280-688318 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 duplicate (LCS/LCSD) recovery are within acceptance limits.

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

Samples CARIBOU PORTAL (280-204345-1), CARIBOU WELL (280-204345-2), CARIBOU WELL 02 (280-204345-3), CROSS PORTAL (280-204345-4), CROSS PORTAL 02 (280-204345-5), COMPLIANCE WELL (280-204345-6), COMPLIANCE 03 (280-204345-7) and CROSS WELL (280-204345-8) were analyzed for Cesium 137 & Other Gamma Emitters (GS) - Dissolved. The samples were prepared and analyzed on 3/20/2025.

Gamma Batch 160-708699

The detection goal for cesium-137 was not met. This is caused by statistical fluctuations in the Compton background due to low level activity in the samples in conjunction with the software attempting to fit a peak into the noise of this baseline: CARIBOU WELL (280-204345-2), CROSS PORTAL (280-204345-4), COMPLIANCE 03 (280-204345-7) and CROSS WELL (280-204345-8)

3/26/2025

Job ID: 280-204345-1 (Continued)

Gamma Batch 160-708699

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 as 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-208m	Ag-108
Rĥ-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

CARIBOU PORTAL (280-204345-1), CARIBOU WELL (280-204345-2), CARIBOU WELL 02 (280-204345-3), CROSS PORTAL (280-204345-4), CROSS PORTAL 02 (280-204345-5), COMPLIANCE WELL (280-204345-6), COMPLIANCE 03 (280-204345-7), CROSS WELL (280-204345-8), (LCS 160-708699/2-A), (MB 160-708699/1-A) and (280-204345-A-1-B DU)

Method 900.0 - Gross Alpha and Gross Beta Radioactivity - Dissolved

Samples CARIBOU PORTAL (280-204345-1), CARIBOU WELL (280-204345-2), CARIBOU WELL 02 (280-204345-3), CROSS PORTAL (280-204345-4), CROSS PORTAL 02 (280-204345-5), COMPLIANCE WELL (280-204345-6), COMPLIANCE 03 (280-204345-7) and CROSS WELL (280-204345-8) were analyzed for Gross Alpha and Gross Beta Radioactivity - Dissolved. The samples were prepared on 3/18/2025 and analyzed on 3/19/2025 and 3/20/2025.

Gross Alpha and Gross Beta batch 708337

The detection goal was not met for the following samples due to a reduction of the sample size attributed to high residual mass: (240-220200-C-29-A) and (240-220200-C-29-D DU). Analytical results are reported with the detection limit achieved.

3/26/2025

Eurofins Denver

Job ID: 280-204345-1

Client Sample ID: CARIBOU PORTAL

5

Lab Sample ID: 280-204345-1

Lab Sample ID: 280-204345-2

Lab Sample ID: 280-204345-3

Lab Sample ID: 280-204345-4

Lab Sample ID: 280-204345-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac D	Method	Prep Type
Boron	0.043	J	0.050	0.015	mg/L	1	200.7 Rev 4.4	Dissolved
Antimony	0.00068	J	0.0020	0.00050	mg/L	1	200.8	Dissolved
Barium	0.055		0.0020	0.00055	mg/L	1	200.8	Dissolved
Manganese	0.0016	J	0.0030	0.0015	mg/L	1	200.8	Dissolved
Molybdenum	0.0072		0.0020	0.00050	mg/L	1	200.8	Dissolved
Uranium	0.0064		0.0010	0.00025	mg/L	1	200.8	Dissolved
Zinc	0.0053	J	0.010	0.0050	mg/L	1	200.8	Dissolved
Nitrate as N	0.14	J	0.50	0.10	mg/L	1	300.0	Total/NA
Nitrate Nitrite as N	0.11	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	9.5		3.0	1.0	mg/L	1	SM 4500 SO4 E	Total/NA

Client Sample ID: CARIBOU WELL

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Boron	0.026	J	0.050	0.015	mg/L	1	_	200.7 Rev 4.4	Dissolved
Barium	0.0063		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	0.14	J	0.50	0.10	mg/L	1		300.0	Total/NA
Nitrate Nitrite as N	0.12	J	0.20	0.060	mg/L	1		353.2	Total/NA
Total Dissolved Solids (TDS)	33		10	6.0	mg/L	1		SM 2540C	Total/NA
Sulfate	1.8	JF1	3.0	1.0	mg/L	1		SM 4500 SO4 E	Total/NA

Client Sample ID: CARIBOU WELL 02

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.0060		0.0020	0.00055	mg/L	1	_	200.8	Dissolved
Copper	0.21		0.0020	0.0010	mg/L	1		200.8	Dissolved
Zinc	0.0054	J	0.010	0.0050	mg/L	1		200.8	Dissolved
Nitrate as N	0.14	J	0.50	0.10	mg/L	1		300.0	Total/NA
Nitrate Nitrite as N	0.12	J	0.20	0.060	mg/L	1		353.2	Total/NA
Total Dissolved Solids (TDS)	33		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

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.084		0.0020	0.00055	mg/L	1	_	200.8	Dissolved
Cadmium	0.00079	J	0.0010	0.00025	mg/L	1		200.8	Dissolved
Copper	0.0027		0.0020	0.0010	mg/L	1		200.8	Dissolved
Lead	0.00052	J	0.0010	0.00050	mg/L	1		200.8	Dissolved
Manganese	0.019		0.0030	0.0015	mg/L	1		200.8	Dissolved
Molybdenum	0.0074		0.0020	0.00050	mg/L	1		200.8	Dissolved
Uranium	0.00099	J	0.0010	0.00025	mg/L	1		200.8	Dissolved
Zinc	0.16		0.010	0.0050	mg/L	1		200.8	Dissolved
Total Dissolved Solids (TDS)	120		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

Client Sample ID: CROSS PORTAL 02

Analyte	Result Qualifier	RL	MDL	Unit	Dil Fac	D Method	Prep Type
Barium	0.084	0.0020	0.00055	mg/L	1	200.8	Dissolved
Cadmium	0.00095 J	0.0010	0.00025	mg/L	1	200.8	Dissolved

This Detection Summary does not include radiochemical test results.

Detection Summary

RL

0.0020

0.0010

0.0030

0.0020

0.0010

0.010

10

3.0

RL

0.0020

0.0030

0.0020

0.010

0.50

0.20

10

2.0

3.0

MDL Unit

0.0010 mg/L

0.00050 mg/L

0.0015 mg/L

0.00050 mg/L

0.00025 mg/L

0.0050 mg/L

6.0 mg/L

1.0 mg/L

MDL Unit

0.00055 mg/L

0.0015 mg/L

0.00050 mg/L

0.0050 mg/L

0.10 mg/L

0.060 mg/L

6.0 mg/L

1.0 mg/L

0.50 mg/L

Client Sample ID: COMPLIANCE WELL

Analyte

Copper

Manganese

Molybdenum

Total Dissolved Solids (TDS)

Uranium

Zinc

Sulfate

Analyte

Barium

Zinc

Manganese

Molybdenum

Nitrate as N

Chloride

Sulfate

Nitrate Nitrite as N

Total Dissolved Solids (TDS)

Lead

Client Sample ID: CROSS PORTAL 02 (Continued)

Result Qualifier

0.0021

0.00088 J

0.018

0.0074

0.00097 J

0.17

120

0.041

0.0070

0.0046

0.097

0.36 J

0.46

90

3.6

11

11

Result Qualifier

Prep Type

Dissolved

Dissolved

Dissolved

Dissolved

Dissolved

Dissolved

Total/NA

Total/NA

Prep Type

Dissolved

Dissolved

Dissolved

Dissolved

Total/NA

Total/NA

Total/NA

Total/NA

Total/NA

Lab Sample ID: 280-204345-5

Dil Fac D Method

1

1

1

1

1

1

1

1

Dil Fac D

1

1

1

1

1

1

1

1

1

200.8

200.8

200.8

200.8

200.8

200.8

Method

200.8

200.8

200.8

200.8

300.0

353.2

SM 2540C

SM 4500 CI- E

SM 4500 SO4 E

SM 2540C

SM 4500 SO4 E

Lab Sample ID: 280-204345-6

7 8 9 10 11 12

Lab Sample ID: 280-204345-7

Analyte	Result Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aluminum	0.041 J	0.10	0.025	mg/L	1	_	200.7 Rev 4.4	Dissolved
Barium	0.0020	0.0020	0.00055	mg/L	1		200.8	Dissolved
Total Dissolved Solids (TDS)	10	10	6.0	mg/L	1		SM 2540C	Total/NA

Client Sample ID: CROSS WELL

Client Sample ID: COMPLIANCE 03

Lab Sample ID: 280-204345-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.032		0.0020	0.00055	mg/L	1	_	200.8	Dissolved
Copper	0.0035		0.0020	0.0010	mg/L	1		200.8	Dissolved
Molybdenum	0.00075	J	0.0020	0.00050	mg/L	1		200.8	Dissolved
Zinc	0.51		0.010	0.0050	mg/L	1		200.8	Dissolved
Nitrate as N	0.33	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)	86		10	6.0	mg/L	1		SM 2540C	Total/NA
Chloride	3.8		2.0	0.50	mg/L	1		SM 4500 CI- E	Total/NA
Sulfate	8.3		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: 280-204345-1

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 CI- 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: 280-204345-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
280-204345-1	CARIBOU PORTAL	Water	03/13/25 10:30	03/13/25 15:43
280-204345-2	CARIBOU WELL	Water	03/13/25 11:00	03/13/25 15:43
280-204345-3	CARIBOU WELL 02	Water	03/13/25 11:00	03/13/25 15:43
280-204345-4	CROSS PORTAL	Water	03/13/25 12:00	03/13/25 15:43
280-204345-5	CROSS PORTAL 02	Water	03/13/25 12:00	03/13/25 15:43
280-204345-6	COMPLIANCE WELL	Water	03/13/25 12:30	03/13/25 15:43
280-204345-7	COMPLIANCE 03	Water	03/13/25 12:30	03/13/25 15:43
280-204345-8	CROSS WELL	Water	03/13/25 13:00	03/13/25 15:43

Job ID: 280-204345-1

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

Client Sample ID: CARIBOU PORT Date Collected: 03/13/25 10:30	AL						Lab Sam	ple ID: 280-20 Matrix	94345-1 : Water
Date Received: 03/13/25 15:43	Decult	Qualifier	ы	MDI	11	_	Dremered	Anolymod	
Analyte	ND	Qualifier		MDL		D	Prepared 03/14/25 15:13	Analyzed 03/18/25 07:07	Dil Fac
	0.043		0.10	0.025 0.015	0			03/18/25 07:07	1
Boron	0.043 ND	J	0.030	0.015	•			03/18/25 07:07	1
	ND		0.10	0.040	mg/L		03/14/25 15.15	03/16/25 07.07	I
Client Sample ID: CARIBOU WELI Date Collected: 03/13/25 11:00	-						Lab Sam	ple ID: 280-20 Matrix)4345-2 : Water
Date Received: 03/13/25 15:43									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.10	0.025	mg/L		03/14/25 15:13	03/18/25 07:11	1
Boron	0.026	J	0.050	0.015	mg/L		03/14/25 15:13	03/18/25 07:11	1
Iron	ND		0.10	0.040	mg/L		03/14/25 15:13	03/18/25 07:11	1
Client Sample ID: CARIBOU WELI Date Collected: 03/13/25 11:00	_ 02						Lab Sam	ple ID: 280-20 Matrix)4345-3 : Water
Date Received: 03/13/25 15:43									
Analyte		Qualifier	RL	MDL		D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.10	0.025	-		03/14/25 15:13	03/18/25 07:15	1
Boron	ND		0.050	0.015	0		03/14/25 15:13	03/18/25 07:15	1
Iron	ND		0.10	0.040	mg/L		03/14/25 15:13	03/18/25 07:15	1
Client Sample ID: CROSS PORTA Date Collected: 03/13/25 12:00 Date Received: 03/13/25 15:43	L						Lab Sam	ple ID: 280-20 Matrix)4345-4 : Water
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.10	0.025			03/14/25 15:13	03/18/25 07:31	1
Boron	ND		0.050	0.015	0		03/14/25 15:13	03/18/25 07:31	1
Iron	ND		0.10	0.040	mg/L		03/14/25 15:13	03/18/25 07:31	1
Client Sample ID: CROSS PORTA Date Collected: 03/13/25 12:00 Date Received: 03/13/25 15:43	L 02						Lab Sam	ple ID: 280-20 Matrix)4345-5 : Water
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.10	0.025	mg/L		03/14/25 15:13	03/18/25 07:34	1
Boron	ND		0.050	0.015	mg/L		03/14/25 15:13	03/18/25 07:34	1
Iron	ND		0.10	0.040	mg/L		03/14/25 15:13	03/18/25 07:34	1
Client Sample ID: COMPLIANCE V Date Collected: 03/13/25 12:30	VELL						Lab Sam	ple ID: 280-20 Matrix)4345-6 : Water
Date Received: 03/13/25 15:43									
Analyte		Qualifier	RL	MDL		D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.10	0.025	-			03/18/25 07:38	1
Boron	ND		0.050	0.015	-			03/18/25 07:38	1
Iron	ND		0.10	0.040	mg/L		03/14/25 15:13	03/18/25 07:38	1
Client Sample ID: COMPLIANCE 0	3						Lab Sam	ple ID: 280-20	
Date Collected: 03/13/25 12:30								Matrix	: Water
Date Received: 03/13/25 15:43	Recult	Qualifier	RI	וחא	Unit	п	Prenared	Analyzod	Dil Eac
Date Received: 03/13/25 15:43 Analyte		Qualifier	RL	MDL 0.025		<u>D</u>	Prepared	Analyzed	Dil Fac
Date Received: 03/13/25 15:43	Result 0.041 ND		RL 0.10 0.050	MDL 0.025 0.015	mg/L	D	03/14/25 15:13		Dil Fac

Job ID: 280-204345-1

Lab Sample ID: 280-204345-1

Lab Sample ID: 280-204345-2

Lab Sample ID: 280-204345-3

Matrix: Water

Matrix: Water

Matrix: Water

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

Client Sample ID: CROSS WELI Date Collected: 03/13/25 13:00 Date Received: 03/13/25 15:43	-						Lab Sam	ple ID: 280-20 Matrix:	4345-8 Water
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.10	0.025	mg/L		03/14/25 15:13	03/18/25 07:46	1
Boron	ND		0.050	0.015	mg/L		03/14/25 15:13	03/18/25 07:46	1
Iron	ND		0.10	0.040	mg/L		03/14/25 15:13	03/18/25 07:46	1

Method: EPA 200.8 - ICPMS Total Metals - Dissolved

Client Sample ID: CARIBOU PORTAL Date Collected: 03/13/25 10:30

Date Received: 03/13/25 15:43	Decult	Qualifian	DI	MDI	11		Duenened	Amahamad	
Analyte	Result	Qualifier	RL	MDL	Unit	<u>D</u>	Prepared	Analyzed	Dil Fac
Antimony	0.00068	J	0.0020	0.00050	mg/L		03/14/25 15:13	03/17/25 11:05	1
Arsenic	ND		0.0020	0.00050	mg/L		03/14/25 15:13	03/17/25 12:32	1
Barium	0.055		0.0020	0.00055	mg/L		03/14/25 15:13	03/17/25 12:32	1
Cadmium	ND		0.0010	0.00025	mg/L		03/14/25 15:13	03/17/25 11:05	1
Copper	ND		0.0020	0.0010	mg/L		03/14/25 15:13	03/17/25 11:05	1
Lead	ND		0.0010	0.00050	mg/L		03/14/25 15:13	03/17/25 11:05	1
Manganese	0.0016	J	0.0030	0.0015	mg/L		03/14/25 15:13	03/17/25 12:32	1
Molybdenum	0.0072		0.0020	0.00050	mg/L		03/14/25 15:13	03/17/25 11:05	1
Uranium	0.0064		0.0010	0.00025	mg/L		03/14/25 15:13	03/17/25 11:05	1
Zinc	0.0053	J	0.010	0.0050	mg/L		03/14/25 15:13	03/17/25 11:05	1

Client Sample ID: CARIBOU WELL Date Collected: 03/13/25 11:00 Date Received: 03/13/25 15:43

Date Received. 03/13/25 15.45									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.0020	0.00050	mg/L		03/14/25 15:13	03/17/25 11:07	1
Arsenic	ND		0.0020	0.00050	mg/L		03/14/25 15:13	03/17/25 12:34	1
Barium	0.0063		0.0020	0.00055	mg/L		03/14/25 15:13	03/17/25 12:34	1
Cadmium	ND		0.0010	0.00025	mg/L		03/14/25 15:13	03/17/25 11:07	1
Copper	0.15		0.0020	0.0010	mg/L		03/14/25 15:13	03/17/25 11:07	1
Lead	ND		0.0010	0.00050	mg/L		03/14/25 15:13	03/17/25 11:07	1
Manganese	ND		0.0030	0.0015	mg/L		03/14/25 15:13	03/17/25 12:34	1
Molybdenum	ND		0.0020	0.00050	mg/L		03/14/25 15:13	03/17/25 11:07	1
Uranium	ND		0.0010	0.00025	mg/L		03/14/25 15:13	03/17/25 11:07	1
Zinc	ND		0.010	0.0050	mg/L		03/14/25 15:13	03/17/25 11:07	1

Client Sample ID: CARIBOU WELL 02 Date Collected: 03/13/25 11:00

Date Received: 03/13/25 15:43

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.0020	0.00050	mg/L		03/14/25 15:13	03/17/25 11:09	1
Arsenic	ND		0.0020	0.00050	mg/L		03/14/25 15:13	03/17/25 12:36	1
Barium	0.0060		0.0020	0.00055	mg/L		03/14/25 15:13	03/17/25 12:36	1
Cadmium	ND		0.0010	0.00025	mg/L		03/14/25 15:13	03/17/25 11:09	1
Copper	0.21		0.0020	0.0010	mg/L		03/14/25 15:13	03/17/25 11:09	1
Lead	ND		0.0010	0.00050	mg/L		03/14/25 15:13	03/17/25 12:36	1
Manganese	ND		0.0030	0.0015	mg/L		03/14/25 15:13	03/17/25 12:36	1
Molybdenum	ND		0.0020	0.00050	mg/L		03/14/25 15:13	03/17/25 11:09	1
Uranium	ND		0.0010	0.00025	mg/L		03/14/25 15:13	03/17/25 11:09	1
Zinc	0.0054	J	0.010	0.0050	mg/L		03/14/25 15:13	03/17/25 11:09	1

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Method: EPA 200.8 - ICPMS Total Metals - Dissolved

Client Sample ID: CROSS PORTAL Date Collected: 03/13/25 12:00

Date Received: 03/13/25 15:43									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.0020	0.00050	mg/L		03/14/25 15:13	03/17/25 11:12	1
Arsenic	ND		0.0020	0.00050	mg/L		03/14/25 15:13	03/17/25 12:39	1
Barium	0.084		0.0020	0.00055	mg/L		03/14/25 15:13	03/17/25 12:39	1
Cadmium	0.00079	J	0.0010	0.00025	mg/L		03/14/25 15:13	03/17/25 11:12	1
Copper	0.0027		0.0020	0.0010	mg/L		03/14/25 15:13	03/17/25 11:12	1
Lead	0.00052	J	0.0010	0.00050	mg/L		03/14/25 15:13	03/17/25 12:39	1
Manganese	0.019		0.0030	0.0015	mg/L		03/14/25 15:13	03/17/25 12:39	1
Molybdenum	0.0074		0.0020	0.00050	mg/L		03/14/25 15:13	03/17/25 11:12	1
Uranium	0.00099	J	0.0010	0.00025	mg/L		03/14/25 15:13	03/17/25 11:12	1
Zinc	0.16		0.010	0.0050	mg/L		03/14/25 15:13	03/17/25 11:12	1

Client Sample ID: CROSS PORTAL 02 Date Collected: 03/13/25 12:00

Date Received: 03/13/25 15:43

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Antimony	ND		0.0020	0.00050	mg/L		03/14/25 15:13	03/17/25 11:14	1	2
Arsenic	ND		0.0020	0.00050	mg/L		03/14/25 15:13	03/17/25 12:41	1	
Barium	0.084		0.0020	0.00055	mg/L		03/14/25 15:13	03/17/25 12:41	1	
Cadmium	0.00095	J	0.0010	0.00025	mg/L		03/14/25 15:13	03/17/25 11:14	1	
Copper	0.0021		0.0020	0.0010	mg/L		03/14/25 15:13	03/17/25 11:14	1	
Lead	0.00088	J	0.0010	0.00050	mg/L		03/14/25 15:13	03/17/25 12:41	1	
Manganese	0.018		0.0030	0.0015	mg/L		03/14/25 15:13	03/17/25 12:41	1	
Molybdenum	0.0074		0.0020	0.00050	mg/L		03/14/25 15:13	03/17/25 11:14	1	
Uranium	0.00097	J	0.0010	0.00025	mg/L		03/14/25 15:13	03/17/25 11:14	1	
Zinc	0.17		0.010	0.0050	mg/L		03/14/25 15:13	03/17/25 11:14	1	

Client Sample ID: COMPLIANCE WELL Date Collected: 03/13/25 12:30 Date Received: 03/13/25 15:43

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.0020	0.00050	mg/L		03/14/25 15:13	03/17/25 11:17	1
Arsenic	ND		0.0020	0.00050	mg/L		03/14/25 15:13	03/17/25 12:43	1
Barium	0.041		0.0020	0.00055	mg/L		03/14/25 15:13	03/17/25 12:43	1
Cadmium	ND		0.0010	0.00025	mg/L		03/14/25 15:13	03/17/25 11:17	1
Copper	ND		0.0020	0.0010	mg/L		03/14/25 15:13	03/17/25 11:17	1
Lead	ND		0.0010	0.00050	mg/L		03/14/25 15:13	03/17/25 11:17	1
Manganese	0.0070		0.0030	0.0015	mg/L		03/14/25 15:13	03/17/25 12:43	1
Molybdenum	0.0046		0.0020	0.00050	mg/L		03/14/25 15:13	03/17/25 11:17	1
Uranium	ND		0.0010	0.00025	mg/L		03/14/25 15:13	03/17/25 11:17	1
Zinc	0.097		0.010	0.0050	mg/L		03/14/25 15:13	03/17/25 11:17	1

Client Sample ID: COMPLIANCE 03 Date Collected: 03/13/25 12:30

Date Received: 03/13/25 15:43									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.0020	0.00050	mg/L		03/14/25 15:13	03/17/25 11:19	1
Arsenic	ND		0.0020	0.00050	mg/L		03/14/25 15:13	03/17/25 12:46	1
Barium	0.0020		0.0020	0.00055	mg/L		03/14/25 15:13	03/17/25 12:46	1
Cadmium	ND		0.0010	0.00025	mg/L		03/14/25 15:13	03/17/25 11:19	1
Copper	ND		0.0020	0.0010	mg/L		03/14/25 15:13	03/17/25 11:19	1

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Matrix: Water

 Analyzed
 Dil Fac
 5

 14/25 15:13
 03/17/25 12:39
 1
 6

Job ID: 280-204345-1

Lab Sample ID: 280-204345-5

Lab Sample ID: 280-204345-6

Lab Sample ID: 280-204345-7

Matrix: Water

Matrix: Water

0/00/000-

3/26/2025

	: 03						Lah Sami	ple ID: 280-20	1315-
Client Sample ID: COMPLIANCE Date Collected: 03/13/25 12:30	. 05						Lab Salin	Matrix	
Date Received: 03/13/25 15:43									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Lead	ND		0.0010	0.00050	mg/L		03/14/25 15:13	03/17/25 11:19	
Manganese	ND		0.0030	0.0015			03/14/25 15:13	03/17/25 12:46	
Molybdenum	ND		0.0020	0.00050	mg/L		03/14/25 15:13	03/17/25 11:19	
Uranium	ND		0.0010	0.00025	mg/L		03/14/25 15:13	03/17/25 11:19	
Zinc	ND		0.010	0.0050			03/14/25 15:13	03/17/25 11:19	
Client Sample ID: CROSS WELL							Lab Sam	ple ID: 280-20	4345-
Date Collected: 03/13/25 13:00								Matrix	
Date Received: 03/13/25 15:43									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Antimony	ND	duamor	0.0020	0.00050				03/17/25 11:21	
Arsenic	ND		0.0020	0.00050	-			03/17/25 12:48	
Barium	0.032		0.0020	0.00055	Ũ			03/17/25 12:48	
Cadmium	0.032 ND		0.0020	0.00035				03/17/25 11:21	
			0.0010	0.00023	0			03/17/25 11:21	
Copper	0.0035				0				
Lead	ND		0.0010	0.00050				03/17/25 11:21	
Manganese	ND		0.0030	0.0015	•			03/17/25 12:48	
Molybdenum	0.00075	J	0.0020	0.00050	0			03/17/25 11:21	
Uranium	ND		0.0010	0.00025	0			03/17/25 11:21	
Zinc	0.51		0.010	0.0050	mg/L		03/14/25 15:13	03/17/25 11:21	
General Chemistry									
Client Sample ID: CARIBOU PO	RTAL						Lab Sam	ple ID: 280-20	4345-
Date Collected: 03/13/25 10:30								Matrix	
Date Received: 03/13/25 15:43									
Analyte	Result	Qualifier			Unit		Prepared		Dil Fa
		Quaimer	RL	MDL		D	FIEDAIEU	Analyzed	
Nitrate as N (FPA 300.0)	0.14					D		Analyzed 03/14/25 05:13	
Nitrate as N (EPA 300.0) Nitrate Nitrite as N (EPA 353.2)	0.14	J	0.50	0.10	mg/L	D		03/14/25 05:13	
Nitrate Nitrite as N (EPA 353.2)	0.11	J	0.50	0.10 0.060	mg/L mg/L	<u>D</u>		03/14/25 05:13 03/14/25 10:54	
Nitrate Nitrite as N (EPA 353.2) Total Dissolved Solids (TDS) (SM		J	0.50	0.10 0.060	mg/L	<u>D</u>		03/14/25 05:13	
Nitrate Nitrite as N (EPA 353.2)	0.11	J	0.50	0.10 0.060 6.0	mg/L mg/L	<u> </u>		03/14/25 05:13 03/14/25 10:54	
Nitrate Nitrite as N (EPA 353.2) Total Dissolved Solids (TDS) (SM 2540C)	0.11 130	J	0.50 0.20 10	0.10 0.060 6.0 0.50	mg/L mg/L mg/L	D		03/14/25 05:13 03/14/25 10:54 03/18/25 09:05	
Nitrate Nitrite as N (EPA 353.2) Total Dissolved Solids (TDS) (SM 2540C) Chloride (SM 4500 Cl- E) Sulfate (SM 4500 SO4 E)	0.11 130 ND 9.5	J	0.50 0.20 10 2.0	0.10 0.060 6.0 0.50	mg/L mg/L mg/L mg/L	<u> </u>		03/14/25 05:13 03/14/25 10:54 03/18/25 09:05 03/14/25 15:39 03/19/25 11:35	
Nitrate Nitrite as N (EPA 353.2) Total Dissolved Solids (TDS) (SM 2540C) Chloride (SM 4500 CI- E) Sulfate (SM 4500 SO4 E) Client Sample ID: CARIBOU WE	0.11 130 ND 9.5	J	0.50 0.20 10 2.0	0.10 0.060 6.0 0.50	mg/L mg/L mg/L mg/L	<u> </u>		03/14/25 05:13 03/14/25 10:54 03/18/25 09:05 03/14/25 15:39 03/19/25 11:35 ple ID: 280-20	94345-
Nitrate Nitrite as N (EPA 353.2) Total Dissolved Solids (TDS) (SM 2540C) Chloride (SM 4500 CI- E) Sulfate (SM 4500 SO4 E) Client Sample ID: CARIBOU WE Date Collected: 03/13/25 11:00	0.11 130 ND 9.5	J	0.50 0.20 10 2.0	0.10 0.060 6.0 0.50	mg/L mg/L mg/L mg/L	<u> </u>		03/14/25 05:13 03/14/25 10:54 03/18/25 09:05 03/14/25 15:39 03/19/25 11:35	94345-
Nitrate Nitrite as N (EPA 353.2) Total Dissolved Solids (TDS) (SM 2540C) Chloride (SM 4500 CI- E) Sulfate (SM 4500 SO4 E) Client Sample ID: CARIBOU WE Date Collected: 03/13/25 11:00 Date Received: 03/13/25 15:43	0.11 130 ND 9.5	J	0.50 0.20 10 2.0 3.0	0.10 0.060 6.0 0.50 1.0	mg/L mg/L mg/L mg/L mg/L		Lab Sam	03/14/25 05:13 03/14/25 10:54 03/18/25 09:05 03/14/25 15:39 03/19/25 11:35 ple ID: 280-20 Matrix	94345- : Wate
Nitrate Nitrite as N (EPA 353.2) Total Dissolved Solids (TDS) (SM 2540C) Chloride (SM 4500 CI- E) Sulfate (SM 4500 SO4 E) Client Sample ID: CARIBOU WE Date Collected: 03/13/25 11:00 Date Received: 03/13/25 15:43 Analyte	0.11 130 ND 9.5 LL Result	J J Qualifier	0.50 0.20 10 2.0 3.0 RL	0.10 0.060 6.0 0.50 1.0	mg/L mg/L mg/L mg/L mg/L	D		03/14/25 05:13 03/14/25 10:54 03/18/25 09:05 03/14/25 15:39 03/19/25 11:35 ple ID: 280-20 Matrix Analyzed	04345- : Wate Dil Fa
Nitrate Nitrite as N (EPA 353.2) Total Dissolved Solids (TDS) (SM 2540C) Chloride (SM 4500 Cl- E) Sulfate (SM 4500 SO4 E) Client Sample ID: CARIBOU WE Date Collected: 03/13/25 11:00 Date Received: 03/13/25 15:43 Analyte Nitrate as N (EPA 300.0)	0.11 130 ND 9.5 LL Result 0.14	J J <u>Qualifier</u> J	0.50 0.20 10 2.0 3.0 RL 0.50	0.10 0.060 6.0 1.0 MDL 0.10	mg/L mg/L mg/L mg/L Unit mg/L		Lab Sam	03/14/25 05:13 03/14/25 10:54 03/18/25 09:05 03/14/25 15:39 03/19/25 11:35 ple ID: 280-20 Matrix Analyzed 03/14/25 05:24	04345- : Wate Dil Fa
Nitrate Nitrite as N (EPA 353.2) Total Dissolved Solids (TDS) (SM 2540C) Chloride (SM 4500 CI- E) Sulfate (SM 4500 SO4 E) Client Sample ID: CARIBOU WE Date Collected: 03/13/25 11:00 Date Received: 03/13/25 15:43 Analyte Nitrate as N (EPA 300.0) Nitrate Nitrite as N (EPA 353.2)	0.11 130 ND 9.5 LL Result 0.14 0.12	J J <u>Qualifier</u> J	0.50 0.20 10 2.0 3.0 RL 0.50 0.20	0.10 0.060 6.0 1.0 MDL 0.10 0.060	mg/L mg/L mg/L mg/L <u>Unit</u> mg/L mg/L		Lab Sam	03/14/25 05:13 03/14/25 10:54 03/18/25 09:05 03/14/25 15:39 03/19/25 11:35 ple ID: 280-20 Matrix Analyzed 03/14/25 05:24 03/14/25 10:58	04345- : Wate Dil Fa
Nitrate Nitrite as N (EPA 353.2) Total Dissolved Solids (TDS) (SM 2540C) Chloride (SM 4500 CI- E) Sulfate (SM 4500 SO4 E) Client Sample ID: CARIBOU WE Date Collected: 03/13/25 11:00 Date Received: 03/13/25 15:43 Analyte Nitrate as N (EPA 300.0) Nitrate Nitrite as N (EPA 353.2) Total Dissolved Solids (TDS) (SM	0.11 130 ND 9.5 LL Result 0.14	J J <u>Qualifier</u> J	0.50 0.20 10 2.0 3.0 RL 0.50	0.10 0.060 6.0 1.0 MDL 0.10 0.060	mg/L mg/L mg/L mg/L Unit mg/L		Lab Sam	03/14/25 05:13 03/14/25 10:54 03/18/25 09:05 03/14/25 15:39 03/19/25 11:35 ple ID: 280-20 Matrix Analyzed 03/14/25 05:24	04345- : Wate Dil Fa
Nitrate Nitrite as N (EPA 353.2) Total Dissolved Solids (TDS) (SM 2540C) Chloride (SM 4500 CI- E) Sulfate (SM 4500 SO4 E) Client Sample ID: CARIBOU WE Date Collected: 03/13/25 11:00 Date Received: 03/13/25 15:43 Analyte Nitrate as N (EPA 300.0) Nitrate Nitrite as N (EPA 353.2) Total Dissolved Solids (TDS) (SM 2540C)	0.11 130 ND 9.5 LL <u>Result</u> 0.14 0.12 33	J J <u>Qualifier</u> J	0.50 0.20 10 2.0 3.0 RL 0.50 0.20 10	0.10 0.060 6.0 1.0 MDL 0.10 0.060 6.0	mg/L mg/L mg/L mg/L mg/L mg/L mg/L		Lab Sam	03/14/25 05:13 03/14/25 10:54 03/18/25 09:05 03/14/25 15:39 03/19/25 11:35 ple ID: 280-20 Matrix Analyzed 03/14/25 05:24 03/14/25 05:24 03/18/25 09:05	04345- : Wate _ Dil Fa
Nitrate Nitrite as N (EPA 353.2) Total Dissolved Solids (TDS) (SM 2540C) Chloride (SM 4500 CI- E) Sulfate (SM 4500 SO4 E) Client Sample ID: CARIBOU WE Date Collected: 03/13/25 11:00 Date Received: 03/13/25 15:43 Analyte Nitrate as N (EPA 300.0) Nitrate Nitrite as N (EPA 353.2) Total Dissolved Solids (TDS) (SM	0.11 130 ND 9.5 LL Result 0.14 0.12 33 ND	J J <u>Qualifier</u> J	0.50 0.20 10 2.0 3.0 RL 0.50 0.20	0.10 0.060 6.0 1.0 MDL 0.10 0.060 6.0	mg/L mg/L mg/L mg/L <u>Unit</u> mg/L mg/L		Lab Sam	03/14/25 05:13 03/14/25 10:54 03/18/25 09:05 03/14/25 15:39 03/19/25 11:35 ple ID: 280-20 Matrix Analyzed 03/14/25 05:24 03/14/25 10:58	04345- : Wate _ Dil Fa
Nitrate Nitrite as N (EPA 353.2) Total Dissolved Solids (TDS) (SM 2540C) Chloride (SM 4500 CI- E) Sulfate (SM 4500 SO4 E) Client Sample ID: CARIBOU WE Date Collected: 03/13/25 11:00 Date Received: 03/13/25 15:43 Analyte Nitrate as N (EPA 300.0) Nitrate Nitrite as N (EPA 353.2) Total Dissolved Solids (TDS) (SM 2540C) Chloride (SM 4500 CI- E) Sulfate (SM 4500 SO4 E)	0.11 130 ND 9.5 LL Result 0.14 0.12 33 ND 1.8	J J J J J J	0.50 0.20 10 2.0 3.0 RL 0.50 0.20 10 2.0	0.10 0.060 6.0 1.0 MDL 0.10 0.060 6.0	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L		Lab Sam	03/14/25 05:13 03/14/25 10:54 03/18/25 09:05 03/18/25 09:05 03/14/25 15:39 03/19/25 11:35 ple ID: 280-20 Matrix Analyzed 03/14/25 05:24 03/14/25 05:24 03/14/25 10:58 03/18/25 09:05 03/14/25 15:40 03/19/25 11:55	04345-; : Wate _ Dil Fa
Nitrate Nitrite as N (EPA 353.2) Total Dissolved Solids (TDS) (SM 2540C) Chloride (SM 4500 CI- E) Sulfate (SM 4500 SO4 E) Client Sample ID: CARIBOU WE Date Collected: 03/13/25 11:00 Date Received: 03/13/25 15:43 Analyte Nitrate as N (EPA 300.0) Nitrate Nitrite as N (EPA 353.2) Total Dissolved Solids (TDS) (SM 2540C) Chloride (SM 4500 CI- E) Sulfate (SM 4500 SO4 E) Client Sample ID: CARIBOU WE	0.11 130 ND 9.5 LL Result 0.14 0.12 33 ND 1.8	J J J J J J	0.50 0.20 10 2.0 3.0 RL 0.50 0.20 10 2.0	0.10 0.060 6.0 1.0 MDL 0.10 0.060 6.0	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L		Lab Sam	03/14/25 05:13 03/14/25 10:54 03/18/25 09:05 03/18/25 15:39 03/19/25 15:39 03/19/25 11:35 ple ID: 280-20 Matrix Analyzed 03/14/25 05:24 03/14/25 05:24 03/18/25 09:05 03/14/25 15:40	04345-: : Wate _ Dil Fa
Nitrate Nitrite as N (EPA 353.2) Total Dissolved Solids (TDS) (SM 2540C) Chloride (SM 4500 CI- E) Sulfate (SM 4500 SO4 E) Client Sample ID: CARIBOU WE Date Collected: 03/13/25 11:00 Date Received: 03/13/25 15:43 Analyte Nitrate as N (EPA 300.0) Nitrate Nitrite as N (EPA 353.2) Total Dissolved Solids (TDS) (SM 2540C) Chloride (SM 4500 CI- E) Sulfate (SM 4500 SO4 E)	0.11 130 ND 9.5 LL Result 0.14 0.12 33 ND 1.8	J J J J J J	0.50 0.20 10 2.0 3.0 RL 0.50 0.20 10 2.0	0.10 0.060 6.0 1.0 MDL 0.10 0.060 6.0	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L		Lab Sam	03/14/25 05:13 03/14/25 10:54 03/18/25 09:05 03/18/25 09:05 03/14/25 15:39 03/19/25 11:35 ple ID: 280-20 Matrix Analyzed 03/14/25 05:24 03/14/25 05:24 03/14/25 10:58 03/18/25 09:05 03/14/25 15:40 03/19/25 11:55	04345- : Wate Dil Fa
Nitrate Nitrite as N (EPA 353.2) Total Dissolved Solids (TDS) (SM 2540C) Chloride (SM 4500 CI- E) Sulfate (SM 4500 SO4 E) Client Sample ID: CARIBOU WE Date Collected: 03/13/25 11:00 Date Received: 03/13/25 15:43 Analyte Nitrate as N (EPA 300.0) Nitrate Nitrite as N (EPA 353.2) Total Dissolved Solids (TDS) (SM 2540C) Chloride (SM 4500 CI- E) Sulfate (SM 4500 SO4 E) Client Sample ID: CARIBOU WE	0.11 130 ND 9.5 LL Result 0.14 0.12 33 ND 1.8	J J J J J J	0.50 0.20 10 2.0 3.0 RL 0.50 0.20 10 2.0	0.10 0.060 6.0 1.0 MDL 0.10 0.060 6.0	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L		Lab Sam	03/14/25 05:13 03/14/25 10:54 03/18/25 09:05 03/18/25 09:05 03/14/25 15:39 03/19/25 11:35 ple ID: 280-20 Matrix Analyzed 03/14/25 05:24 03/14/25 10:58 03/18/25 09:05 03/14/25 15:40 03/19/25 11:55 ple ID: 280-20	04345- : Wate Dil Fa
Nitrate Nitrite as N (EPA 353.2) Total Dissolved Solids (TDS) (SM 2540C) Chloride (SM 4500 CI- E) Sulfate (SM 4500 SO4 E) Client Sample ID: CARIBOU WE Date Collected: 03/13/25 11:00 Date Received: 03/13/25 15:43 Analyte Nitrate as N (EPA 300.0) Nitrate Nitrite as N (EPA 353.2) Total Dissolved Solids (TDS) (SM 2540C) Chloride (SM 4500 CI- E) Sulfate (SM 4500 SO4 E) Client Sample ID: CARIBOU WE Date Collected: 03/13/25 11:00	0.11 130 ND 9.5 LL 0.14 0.12 33 ND 1.8 LL 02	J J J J J J	0.50 0.20 10 2.0 3.0 RL 0.50 0.20 10 2.0	0.10 0.060 6.0 1.0 MDL 0.10 0.060 6.0	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L		Lab Sam	03/14/25 05:13 03/14/25 10:54 03/18/25 09:05 03/18/25 09:05 03/14/25 15:39 03/19/25 11:35 ple ID: 280-20 Matrix Analyzed 03/14/25 05:24 03/14/25 10:58 03/18/25 09:05 03/14/25 15:40 03/19/25 11:55 ple ID: 280-20	04345-; : Wate
Nitrate Nitrite as N (EPA 353.2) Total Dissolved Solids (TDS) (SM 2540C) Chloride (SM 4500 CI- E) Sulfate (SM 4500 SO4 E) Client Sample ID: CARIBOU WE Date Collected: 03/13/25 11:00 Date Received: 03/13/25 15:43 Analyte Nitrate as N (EPA 300.0) Nitrate Nitrite as N (EPA 353.2) Total Dissolved Solids (TDS) (SM 2540C) Chloride (SM 4500 CI- E) Sulfate (SM 4500 SO4 E) Client Sample ID: CARIBOU WE Date Collected: 03/13/25 11:00 Date Received: 03/13/25 15:43	0.11 130 ND 9.5 LL 0.14 0.12 33 ND 1.8 LL 02	J J J J J J F1 Qualifier	0.50 0.20 10 2.0 3.0 RL 0.50 0.20 10 2.0 3.0	0.10 0.060 6.0 1.0 MDL 0.10 0.060 6.0 0.50 1.0	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	<u>D</u>	Lab Sam Prepared	03/14/25 05:13 03/14/25 05:13 03/14/25 10:54 03/18/25 09:05 03/14/25 15:39 03/19/25 11:35 pie ID: 280-20 Matrix 03/14/25 05:24 03/14/25 09:05 03/14/25 15:40 03/19/25 11:55 pie ID: 280-20 Matrix	04345-; : Wate Dil Fa 04345-; : Wate

Gen

Client Sample Results

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

Job ID: 280-204345-1

8 9

General Chemistry (Continued)

Client Sample ID: CARIBOU WEL	L 02						Lab Sam	ple ID: 280-20		
Date Collected: 03/13/25 11:00								Matrix	: Water	
Date Received: 03/13/25 15:43										
Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac	
Total Dissolved Solids (TDS) (SM 2540C)	33		10	6.0	mg/L			03/18/25 09:05	1	
Chloride (SM 4500 Cl- E)	ND		2.0	0.50	mg/L			03/14/25 15:40	1	
Sulfate (SM 4500 SO4 E)	1.8	J	3.0	1.0	mg/L			03/19/25 11:56	1	
Client Sample ID: CROSS PORTA	L						Lab Sam	ple ID: 280-20		
Date Collected: 03/13/25 12:00								Matrix	: Water	
Date Received: 03/13/25 15:43										
Analyte		Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac	
Nitrate as N (EPA 300.0)	ND		0.50		mg/L			03/14/25 05:47	1	
Nitrate Nitrite as N (EPA 353.2)	ND		0.20	0.060	-			03/14/25 11:01	1	
Total Dissolved Solids (TDS) (SM 2540C)	120		10	6.0	mg/L			03/18/25 09:05	1	
Chloride (SM 4500 CI- E)	ND		2.0	0.50	mg/L			03/14/25 15:40	1	
Sulfate (SM 4500 SO4 E)	11		3.0	1.0	mg/L			03/19/25 11:56	1	
Client Sample ID: CROSS PORTA	L 02						Lab Sam	ple ID: 280-20		
Date Collected: 03/13/25 12:00								Matrix	: Water	
Date Received: 03/13/25 15:43										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Nitrate as N (EPA 300.0)	ND		0.50	0.10	mg/L			03/14/25 05:58	1	
Nitrate Nitrite as N (EPA 353.2)	ND		0.20	0.060	mg/L			03/14/25 11:02	1	
Total Dissolved Solids (TDS) (SM 2540C)	120		10	6.0	mg/L			03/18/25 09:05	1	
Chloride (SM 4500 CI- E)	ND		2.0	0.50	mg/L			03/14/25 15:40	1	
Sulfate (SM 4500 SO4 E)	11		3.0	1.0	mg/L			03/19/25 11:56	1	
Client Sample ID: COMPLIANCE	WELL						Lab Sample ID: 280-204345-6 Matrix: Wate			
Date Collected: 03/13/25 12:30								Matrix	: water	
Date Received: 03/13/25 15:43	D	0			1114	-	B	A	D 'I F	
Analyte		Qualifier	RL		Unit	<u>D</u>	Prepared	Analyzed	Dil Fac	
Nitrate as N (EPA 300.0)	0.36	J	0.50		mg/L			03/14/25 06:09	1	
Nitrate Nitrite as N (EPA 353.2)	0.46		0.20	0.060	0			03/14/25 11:03	1	
Total Dissolved Solids (TDS) (SM 2540C)	90		10		mg/L			03/18/25 09:05	1	
Chloride (SM 4500 CI- E)	3.6		2.0		mg/L			03/14/25 15:41	1	
Sulfate (SM 4500 SO4 E)	11		3.0	1.0	mg/L			03/19/25 11:57	1	
Client Sample ID: COMPLIANCE	03						Lab Sam	ple ID: 280-20		
Date Collected: 03/13/25 12:30								Matrix	: Water	
Date Received: 03/13/25 15:43						_				
Analyte		Qualifier	RL	MDL		<u>D</u>	Prepared	Analyzed	Dil Fac	
Nitrate as N (EPA 300.0)	ND		0.50		mg/L			03/14/25 06:20	1	
Nitrate Nitrite as N (EPA 353.2)	ND		0.20	0.060	-			03/14/25 11:04	1	
Total Dissolved Solids (TDS) (SM 2540C)	10		10		mg/L			03/18/25 09:05	1	
Chloride (SM 4500 Cl- E)	ND		2.0		mg/L			03/14/25 15:39	1	
Sulfate (SM 4500 SO4 E)	ND		3.0	4.0	mg/L			03/19/25 11:57	1	

RL

0.50

0.20

10

2.0

3.0

RL

3.00

4.00

Total

Uncert.

(2**σ**+/-)

1.76

0.809

Result Qualifier

0.33 J

0.39

86

3.8

8.3

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

Count

Uncert.

(2**σ**+/-)

1.68

0.801

MDL Unit

0.10 mg/L

0.060 mg/L

6.0 mg/L

0.50 mg/L

1.0 mg/L

MDC Unit

1.74 pCi/L

1.19 pCi/L

D

Prepared

Prepared

03/18/25 08:02 03/19/25 20:14

03/18/25 08:02 03/19/25 20:14

Client Sample ID: CROSS WELL Date Collected: 03/13/25 13:00

Date Received: 03/13/25 15:43

General Chemistry

Nitrate as N (EPA 300.0)

Chloride (SM 4500 CI- E)

Sulfate (SM 4500 SO4 E)

Nitrate Nitrite as N (EPA 353.2)

Total Dissolved Solids (TDS) (SM

Client Sample ID: CARIBOU PORTAL

Result Qualifier

4.62

1.13 U

Date Collected: 03/13/25 10:30

Date Received: 03/13/25 15:43

Analyte

2540C)

Analyte

Gross Alpha

Gross Beta

Matrix: Water

Matrix: Water

Dil Fac

1

1

Dil Fac

1

1

1

1

1

Lab Sample ID: 280-204345-8

Analyzed

03/14/25 06:32

03/14/25 11:06

03/18/25 09:05

03/14/25 15:41

03/19/25 11:57

Lab Sample ID: 280-204345-1

Lab Sample ID: 280-204345-2 Matrix: Water

Lab Sample ID: 280-204345-3

Lab Sample ID: 280-204345-4

Matrix: Water

Matrix: Water

Analyzed

Date Collected: 03/13/25 11:00 Date Received: 03/13/25 15:43

Client Sample ID: CARIBOU WELL

			Count	Total						
			Uncert.	Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(2 σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Gross Alpha	-0.266	U	0.483	0.484	3.00	1.06	pCi/L	03/18/25 08:02	03/19/25 20:14	1
Gross Beta	0.812	U	0.666	0.671	4.00	1.06	pCi/L	03/18/25 08:02	03/19/25 20:14	1

Client Sample ID: CARIBOU WELL 02 Date Collected: 03/13/25 11:00 Date Received: 03/13/25 15:43

			Count	Iotai						
			Uncert.	Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Gross Alpha	0.279	U	0.371	0.372	3.00	0.618	pCi/L	03/18/25 08:02	03/19/25 20:15	1
Gross Beta	-0.0987	U	0.603	0.603	4.00	1.08	pCi/L	03/18/25 08:02	03/19/25 20:15	1

Client Sample ID: CROSS PORTAL Date Collected: 03/13/25 12:00

			Count	Total						
			Uncert.	Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(2 σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Gross Alpha	1.24	U	1.04	1.05	3.00	1.58	pCi/L	03/18/25 08:02	03/20/25 18:34	1
Gross Beta	0.911		0.587	0.594	4.00	0.868	pCi/L	03/18/25 08:02	03/20/25 18:34	1

Client Sample Results

Method: EPA 900.0 - Gross Alpha and Gross Beta Radioactivity - Dissolved **Client Sample ID: CROSS PORTAL 02** Lab Sample ID: 280-204345-5 Date Collected: 03/13/25 12:00 Matrix: Water Date Received: 03/13/25 15:43 Total Count Uncert. Uncert. Analyte Result Qualifier (2σ+/-) (2**σ**+/-) RL MDC Unit Prepared Analyzed Gross Alpha 1.17 U 0.975 0.984 3.00 1.47 pCi/L 03/18/25 08:02 03/20/25 18:34 Gross Beta 0.794 U 0.558 0.563 0.834 pCi/L 03/18/25 08:02 03/20/25 18:34 4.00 Client Sample ID: COMPLIANCE WELL Lab Sample ID: 280-204345-6 Date Collected: 03/13/25 12:30 Matrix: Water Date Received: 03/13/25 15:43 Count Total Uncert. Uncert. Prepared Analyte Result Qualifier (2**σ**+/-) (2**σ**+/-) RL MDC Unit Analyzed Gross Alpha 0.392 Ū 0.740 0.742 3.00 1.30 pCi/L 03/18/25 08:02 03/20/25 18:34 0.644 03/18/25 08:02 03/20/25 18:34 **Gross Beta** 0.631 4.00 0.916 pCi/L 1.30 **Client Sample ID: COMPLIANCE 03** Lab Sample ID: 280-204345-7 Date Collected: 03/13/25 12:30 Matrix: Water Date Received: 03/13/25 15:43 Count Total Uncert. Uncert. **Result Qualifier** Analyte (2σ+/-) (2σ+/-) RL MDC Unit Prepared Analyzed Gross Alpha 0.252 U 0.542 0.543 3.00 0.963 pCi/L 03/18/25 08:02 03/20/25 18:34 Gross Beta 0.0253 U 0.524 0.524 4.00 0.925 pCi/L 03/18/25 08:02 03/20/25 18:34 **Client Sample ID: CROSS WELL** Lab Sample ID: 280-204345-8 Date Collected: 03/13/25 13:00 Matrix: Water Date Received: 03/13/25 15:43 Count Total Uncert. Uncert. **Result Qualifier** (2**σ**+/-) (2σ+/-) MDC Unit Analyte RL Prepared Analyzed Gross Alpha -0.251 U 0.584 0.585 3.00 1.26 pCi/L 03/18/25 08:02 03/20/25 18:27 **Gross Beta** 0.611 0.629 0.847 pCi/L 1.49 4.00 03/18/25 08:02 03/20/25 18:27 Method: EPA 901.1 - Cesium 137 & Other Gamma Emitters (GS) - Dissolved **Client Sample ID: CARIBOU PORTAL** Lab Sample ID: 280-204345-1 Date Collected: 03/13/25 10:30 Matrix: Water Date Received: 03/13/25 15:43

			Count Uncert.	Total Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Cesium-137	2.10	U	8.14	8.15	20.0	14.4	pCi/L	03/20/25 13:30	03/20/25 17:57	1
			Count	Total						
Other Detected			Uncert.	Uncert.						
Radionuclides	Result	Qualifier	(2 σ+/-)	(2 σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Bi-214	66.3		25.5	26.3		28.9	pCi/L	03/20/25 13:30	03/20/25 17:57	1

Dil Fac 1

Dil Fac

Dil Fac

Dil Fac

1

1

1

1

1

5

8

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

Client Sample ID: 0 Date Collected: 03	/13/25 11:0	00						Lab Sam	ole ID: 280-20 Matrix)4345-2 : Water
Date Received: 03/	/13/25 15:4	3								
			Count	Total						
			Uncert.	Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Cesium-137	-0.775	UG	7.36	7.36	20.0	21.4	pCi/L	03/20/25 13:30	03/20/25 17:56	1
			Count	Total						
Other Detected			Uncert.	Uncert.						
Radionuclides	Result	Qualifier	(2 σ+/-)	(2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Bi-214	80.6		24.5	25.7			pCi/L	03/20/25 13:30	03/20/25 17:56	1
Pb-214	101		19.3	21.7		20.2	, pCi/L	03/20/25 13:30	03/20/25 17:56	1
Client Sample ID: (Lab Sam	ole ID: 280-20	
Date Collected: 03									Matrix	: Water
Date Received: 03/	/13/25 15:4	3	_							
			Count	Total						
			Uncert.	Uncert.						
Analyte		Qualifier	(2σ+/-)	(2σ+/-)	RL	MDC		Prepared	Analyzed	Dil Fac
Cesium-137	-4.21	U	11.2	11.2	20.0	19.2	pCi/L	03/20/25 13:30	03/20/25 17:57	1
			Count	Total						
Other Detected			Uncert.	Uncert.						
Radionuclides	Result	Qualifier	(2σ+/-)	(2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Bi-214	117		27.9	30.1		25.7	pCi/L	03/20/25 13:30	03/20/25 17:57	1
Pb-214	119		24.5	27.2		24.9	pCi/L	03/20/25 13:30	03/20/25 17:57	1
Client Sample ID: 0								Lob Som	ole ID: 280-20	1245 A
Date Collected: 03								Lab Salin		: Water
Date Received: 03									Watrix	. Water
Date Received. 03/	13/23 13.4		Count	Total						
			Uncert.	Uncert.						
Analyte	Posult	Qualifier	(2σ+/-)	(2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Cesium-137	-3.78		15.7	15.7	20.0		pCi/L	03/20/25 13:30	03/20/25 17:58	1
	-5.70	00			20.0	27.1	poi/L	00/20/20 10:00	03/20/23 11:50	
			Count	Total						
Other Detected			Uncert.	Uncert.						
Radionuclides		Qualifier	(2σ+/-)	(2σ+/-)	RL	MDC		Prepared	Analyzed	Dil Fac
Other Detected Radionuclide	None						pCi/L	03/20/25 13:30	03/20/25 17:58	1
Client Sample ID:								Lab Sam	ole ID: 280-20	
Date Collected: 03									Matrix	: Water
Date Received: 03/	/13/25 15:4	3								
			Count	Total						
			Uncert.	Uncert.						
Analyte		Qualifier	(2σ+/-)	(2σ+/-)	RL	MDC		Prepared	Analyzed	Dil Fac
Cesium-137	2.74	U	6.58	6.59	20.0	11.7	pCi/L	03/20/25 13:30	03/20/25 19:13	1
			Count	Total						
Other Detected			Uncert.	Uncert.						
Other Detected Radionuclides	Result	Qualifier	Uncert. (2σ+/-)	Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac

Pb-214

183

30.4

35.3

29.6 pCi/L

5

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

Client Sample ID: Date Collected: 0 Date Received: 0	3/13/25 12:3	30						Lab Sam	ple ID: 280-20 Matrix	4345-6 : Water
			Count Uncert.	Total Uncert.						
Analyte		Qualifier	(2σ+/-)	(2σ+/-)	RL	MDC		Prepared	Analyzed	Dil Fac
Cesium-137	3.03	U	11.4	11.4	20.0	19.8	pCi/L	03/20/25 13:30	03/20/25 19:13	1
			Count	Total						
Other Detected			Uncert.	Uncert.						
Radionuclides	Result	Qualifier	(2σ+/-)	(2 σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Bi-214	275		41.8	49.9		31.8	pCi/L	03/20/25 13:30	03/20/25 19:13	1
Pb-214	299		35.0	45.7		29.7	pCi/L	03/20/25 13:30	03/20/25 19:13	1
Client Sample ID: Date Collected: 0 Date Received: 0	3/13/25 12:3	30						Lab Sam	ple ID: 280-20 Matrix	
			Count	Total						
			Uncert.	Uncert.						
Analyte	Result	Qualifier	(2 σ+/-)	(2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Cesium-137	-8.28	UG	7.10	7.15	20.0	22.3	pCi/L	03/20/25 13:30	03/20/25 19:12	1
			Count	Total						
Other Detected			Uncert.	Uncert.						
Radionuclides	Result	Qualifier	(2 σ+/-)	(2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Bi-214	50.4		21.7	22.2		23.3	pCi/L	03/20/25 13:30	03/20/25 19:12	1
Client Sample ID: Date Collected: 0 Date Received: 0	3/13/25 13:0	00						Lab Sam	ple ID: 280-20 Matrix	
			Count	Total						
			Uncert.	Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(2σ+/-)	RL		Unit	Prepared	Analyzed	Dil Fac
Cesium-137	-2.25	UG	12.5	12.5	20.0	21.8	pCi/L	03/20/25 13:30	03/20/25 19:12	1
			Count	Total						
Other Detected			Uncert.	Uncert.						
Radionuclides		Qualifier	(2 σ +/-)	<u>(2σ+/-)</u>	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Bi-214	192		33.0	38.0		24.3	pCi/L	03/20/25 13:30	03/20/25 19:12	1

Eurofins Denver

03/20/25 13:30 03/20/25 19:12

1

Lab Sample ID: MB 280-687687/1-A

Client Sample ID: Method Blank Pren Type: Total Recoverable

Method: 200.7 Rev 4.4 - Metals (ICP)

Matrix: Water Analysis Batch: 688118							Prep Type	e: Total Recov Prep Batch:	verable
-	MB	МВ							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.10	0.025	mg/L		03/14/25 15:13	03/18/25 05:48	1
Boron	ND		0.050	0.015	mg/L		03/14/25 15:13	03/18/25 05:48	1
Iron	ND		0.10	0.040	mg/L		03/14/25 15:13	03/18/25 05:48	1

Lab Sample ID: LCS 280-687687/2-A Matrix: Water Analysis Batch: 688118

Analysis Datch. 000110	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Aluminum	10.0	9.95		mg/L		99	85 - 115	
Boron	2.00	1.96		mg/L		98	85 - 115	
Iron	10.0	9.75		mg/L		97	85 - 115	

Lab Sample ID: 280-204331-D-1-B MS **Matrix: Water** Analysis Batch: 688118

Analysis Batch: 688118									Prep Batch: 687687	
	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Aluminum	ND		10.0	9.90		mg/L		99	75 - 125	
Boron	ND		2.00	1.96		mg/L		98	75 - 125	
Iron	0.13		10.0	9.72		mg/L		96	75 - 125	

Lab Sample ID: 280-204331-D-1-C MSD Matrix: Water

Analysis Batch: 688118									Prep Ba	tch: 68	37687
-	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Aluminum	ND		10.0	9.95		mg/L		100	75 - 125	1	20
Boron	ND		2.00	1.97		mg/L		99	75 - 125	1	20
Iron	0.13		10.0	9.79		mg/L		97	75 - 125	1	20

Method: 200.8 - ICPMS Total Metals

Lab Sample ID: MB 280-687687/1-A **Matrix: Water** Analysis Batch: 687958

Ň	в мв							
Analyte Res	It Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony N	D	0.0020	0.00050	mg/L		03/14/25 15:13	03/17/25 10:13	1
Arsenic N	D	0.0020	0.00050	mg/L		03/14/25 15:13	03/17/25 10:13	1
Barium N	D	0.0020	0.00055	mg/L		03/14/25 15:13	03/17/25 10:13	1
Cadmium N	D	0.0010	0.00025	mg/L		03/14/25 15:13	03/17/25 10:13	1
Copper N	D	0.0020	0.0010	mg/L		03/14/25 15:13	03/17/25 10:13	1
Lead	D	0.0010	0.00050	mg/L		03/14/25 15:13	03/17/25 10:13	1
Manganese N	D	0.0030	0.0015	mg/L		03/14/25 15:13	03/17/25 10:13	1
Molybdenum N	D	0.0020	0.00050	mg/L		03/14/25 15:13	03/17/25 10:13	1
Uranium N	D	0.0010	0.00025	mg/L		03/14/25 15:13	03/17/25 10:13	1
Zinc	D	0.010	0.0050	mg/L		03/14/25 15:13	03/17/25 10:13	1

Client Sample ID: Matrix Spike Duplicate Prep Type: Total Recoverable

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 687687

Client Sample ID: Matrix Spike

Prep Type: Total Recoverable

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Method: 200.8 - ICPMS Total Metals (Continued)

Lab Sample ID: LCS 280-687687/24-A Matrix: Water Analysis Batch: 687958

Analysis Batch: 687958	Spike	LCS LCS				Prep Batch: 687687 %Rec
	•				~ -	
Analyte	Added	Result Qualifier	Unit	<u>D</u>	%Rec	Limits
Antimony	0.0400	0.0398	mg/L		100	85 - 115
Arsenic	0.0400	0.0376	mg/L		94	89 - 111
Barium	0.0400	0.0388	mg/L		97	89 - 115
Cadmium	0.0400	0.0403	mg/L		101	89 - 111
Copper	0.0400	0.0380	mg/L		95	90 - 115
Lead	0.0400	0.0402	mg/L		100	88 - 115
Manganese	0.0400	0.0386	mg/L		97	87 - 115
Molybdenum	0.0400	0.0393	mg/L		98	89 - 112
Uranium	0.0400	0.0403	mg/L		101	85 - 115
Zinc	0.0400	0.0375	mg/L		94	88 - 115

Lab Sample ID: 280-204331-D-1-E MS Matrix: Water Analysis Batch: 687958

	Sample	Sample	Spike	MS	MS				%Rec
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits
Antimony	0.00061	J	0.0400	0.0411		mg/L		101	85 - 115
Arsenic	0.00088	J	0.0400	0.0386		mg/L		94	79 - 120
Barium	0.053	F1	0.0400	0.0878	F1	mg/L		87	89 - 115
Cadmium	ND		0.0400	0.0420		mg/L		105	89 - 111
Copper	ND		0.0400	0.0381		mg/L		95	90 - 115
Lead	ND		0.0400	0.0399		mg/L		100	88 - 115
Manganese	0.014	F1	0.0400	0.0531		mg/L		97	87 - 115
Molybdenum	0.0026		0.0400	0.0432		mg/L		101	89 - 112
Uranium	0.031		0.0400	0.0712		mg/L		101	85 - 115
Zinc	0.081	F1	0.0400	0.113	F1	mg/L		81	88 - 115

Lab Sample ID: 280-204331-D-1-F MSD Matrix: Water Analysis Batch: 687958

Prep Batch: 687687 RPD Spike MSD MSD %Rec Sample Sample Analyte **Result Qualifier** Added **Result Qualifier** Unit D %Rec Limits RPD Limit Antimony 0.00061 J 0.0400 0.0386 mg/L 95 85 - 115 6 20 Arsenic 0.00088 J 0.0400 0.0354 mg/L 86 79 - 120 9 20 Barium 0.053 F1 0.0400 0.0831 F1 mg/L 75 89 - 115 5 20 Cadmium 0.0400 0.0385 96 9 20 ND mg/L 89 - 111 Copper ND 0.0400 0.0361 90 90 - 115 20 mg/L 5 Lead ND 0.0400 0.0380 mg/L 95 88 - 115 5 20 0.0400 0.0486 F1 87 - 115 20 Manganese 0.014 F1 mg/L 86 9 Molybdenum 0.0026 0.0400 0.0402 mg/L 94 89 - 112 7 20 Uranium 0.031 0.0400 0.0672 mg/L 91 85 - 115 6 20 Zinc 0.0400 0.106 F1 61 88 - 115 7 20 0.081 F1 mg/L

Prep Batch: 687687

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Client Sample ID: Matrix Spike Duplicate Prep Type: Total Recoverable

Job ID: 280-204345-1

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 280-68	7602/75						Clie	ent Sam	nple ID: M	ethod	Blank
Matrix: Water									Prep Ty	pe: To	tal/NA
Analysis Batch: 687602											
-		MB MB									
Analyte	Re	sult Qualifier		RL	MDL Unit	I	D P	repared	Analy	zed	Dil Fac
Nitrate as N		ND		0.50	0.10 mg/L				03/14/25	02:24	1
Lab Sample ID: LCS 280-6	87602/73					Clie	nt Sa	mnle ID	: Lab Cor	ntrol S	amnle
Matrix: Water	01002/10					Unc			Prep Ty		
Analysis Batch: 687602											
			Spike	LCS	LCS				%Rec		
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits		
Nitrate as N			5.00	4.64		mg/L		93	90 - 110		
Lab Sample ID: LCSD 280-	687602/74					lient Sa	mnle	ID [.] I at	o Control	Sampl	e Dun
Matrix: Water	001002/14						inpic	ID. Lat	Prep Ty		
Analysis Batch: 687602									перту	pe. 10	
Analysis Daten. 007002			Spike	LCSD	LCSD				%Rec		RPD
Analyte			Added	_	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Nitrate as N			5.00	4.65		mg/L		93	90 - 110	0	10
Lab Sample ID: MRL 280-6	87602/3					Clie	nt Sa	mple ID	: Lab Cor		
Matrix: Water									Prep Ty	pe: Io	tal/NA
Analysis Batch: 687602			• "						a/ 5		
			Spike		MRL		_		%Rec		
Analyte			Added		Qualifier	Unit	D	%Rec	Limits		
Nitrate as N			0.500	0.491	J	mg/L		98	50 - 150		
Lab Sample ID: 280-20434	5-8 MS						Clie	ent Sam	ple ID: C	ROSS	WELL
Matrix: Water									Prep Ty		
Analysis Batch: 687602											
	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Nitrate as N	0.33	J	5.00	4.80		mg/L		90	80 - 120		
Lab Sample ID: 280-20434	5-8 MSD						Clie	ent Sam	ple ID: C	ROSS	WELL
Matrix: Water									Prep Ty		
Analysis Batch: 687602											
· ·····, ··· · ··· · ···	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	-	Qualifier	Added		Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Nitrate as N	0.33	J	5.00	4.81		mg/L		90	80 - 120	0	20
Lab Sample ID: 280-20434	5-8 011						Clic	ant Sam	ple ID: C	RUSS	WELL
Matrix: Water							Sile	an Gail	Prep Ty		
Analysis Batch: 687602									i iep iy	pc. 10	
····· , ····· , ······················	Sample	Sample		ווס	DU						RPD
Analyte		Sample Qualifier			DU Qualifier	Unit	D			RPD	RPD Limit

QC Sample Results

Job ID: 280-204345-1

Method: 353.2 - Nitrogen, Nitrate-Nitrite

	-,										
Lab Sample ID: MB 280-687	775/20						Clie	ent Sam	ple ID: Me	thod	Blank
Matrix: Water									· Prep Typ		
Analysis Batch: 687775											
		MB MB									
Analyte	Re	sult Qualif	ier	RL	MDL Unit	D	Р	repared	Analyz	ed	Dil Fac
Nitrate Nitrite as N		ND		0.20	0.060 mg/L			-	03/14/25 1	0:53	1
Lab Sample ID: LCS 280-68	7775/18					Clien	t Sa	mple ID	: Lab Con		
Matrix: Water									Prep Typ	e: To	tal/NA
Analysis Batch: 687775											
			Spike		S LCS				%Rec		
Analyte			Added		It Qualifier	Unit	D	%Rec	Limits		
Nitrate Nitrite as N			1.00	1.0	1	mg/L		101	90 - 110		
	07775/40					Oliont Con			Control	• • • • • •	- D
Lab Sample ID: LCSD 280-6	0///5/19					Sherit San	npie	ID: Lat	Control S		
Matrix: Water									Prep Typ	be: 10	
Analysis Batch: 687775			0!!	1.00					0/ Dc -		000
Analyta			Spike	-	D LCSD	llusié	~	0/ D	%Rec		RPD
			Added		It Qualifier	Unit	_ <u>D</u>	%Rec	Limits	RPD	Limit
Nitrate Nitrite as N			1.00	0.99	6	mg/L		100	90 - 110	1	10
Lab Sample ID: 280-204345	-1 MS					Clie	at Sa	amnio II	D: CARIBO		PTAI
Matrix: Water	-1 100					Oller	11 00	ampie n	Prep Typ		
Analysis Batch: 687775									Lich ist	<i>i</i> e. 10	
Analysis Batch. 007775	Sample	Sample	Spike	м	S MS				%Rec		
Analyte	•	Qualifier	Added		It Qualifier	Unit	D	%Rec	Limits		
Nitrate Nitrite as N	0.11		2.00	2.2		mg/L		108	90 - 110		
	0.11	0	2.00		•	iiig/ E		100	00-110		
Lab Sample ID: 280-204345	-1 MSD					Clier	nt Sa	ample II	D: CARIBO	OU PO	RTAL
Matrix: Water									Prep Typ		
Analysis Batch: 687775											
	Sample	Sample	Spike	MS	D MSD				%Rec		RPD
Analyte	•	Qualifier	Added	Resu	It Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Nitrate Nitrite as N	0.11		2.00	2.2		mg/L		108	90 - 110	0	10
						5					
Method: SM 2540C - Sol	ids, Tota	I Dissol	ved (TDS	5)							
Γ											
Lab Sample ID: MB 280-688	073/1						Clie	ent Sam	ple ID: Me	ethod	Blank
Matrix: Water									Prep Typ	e: To	tal/NA
Analysis Batch: 688073											
		MB MB									
Analyte	Re	sult Qualif	ier	RL	MDL Unit		P	repared	Analyz		Dil Fac
Total Dissolved Solids (TDS)		ND		10	6.0 mg/L				03/18/25 (09:05	1
	0072/0					011-0		male ID	Lah Carr		amala
Lab Sample ID: LCS 280-68	00/3/2					Clien	ι sa	inpie ID	: Lab Con		
Matrix: Water									Prep Typ	be: 10	
Analysis Batch: 688073			• ··						o/ D		
A week de			Spike		S LCS	11	_	0/ F	%Rec		
Analyte			Added		It Qualifier	Unit	_ <u>D</u>	%Rec	Limits		
Total Dissolved Solids (TDS)			502	49	6	mg/L		99	88 - 114		

QC Sample Results

Client: Grand Island Resources Project/Site: Nederland, CO - Groundwater Job ID: 280-204345-1

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

 Lab Sample ID: 280-204227	7-G-7 DU							Client	Sample ID:	Dur	licate
Matrix: Water	0,00							Choine	Prep Type		
Analysis Batch: 688073											
-	Sample	Sample		DU	DU						RPD
Analyte	Result	Qualifier		Result	Qualifier	Unit	D		I	RPD	Limit
Total Dissolved Solids (TDS)	11000			10100		mg/L				9	10
Method: SM 4500 CI- E	- Chloride	e, Total									
_ Lab Sample ID: MB 280-68	7836/15						Clie	ent Sam	nple ID: Metl	nod	Blank
Matrix: Water									Prep Type		
Analysis Batch: 687836											
America		MB MB							A		
Analyte Chloride	Ke	sult Qualifier		RL 2.0	MDL Unit 0.50 mg/L	<u> </u>	D P	repared	Analyzed		Dil Fac
Chioride		ND		2.0	0.50 mg/L				03/14/25 15	:03	
Lab Sample ID: LCS 280-68 Matrix: Water	8783 <mark>6/13</mark>					Clie	nt Sa	mple ID	: Lab Contro Prep Type		
Analysis Batch: 687836									гіер іуре	. 10	
Analysis Daten. 007030			Spike	LCS	LCS				%Rec		
Analyte			Added	_	Qualifier	Unit	D	%Rec	Limits		
Chloride			20.0	19.7		mg/L		98	90 - 110		
-											
Lab Sample ID: LCSD 280-	687836/14				C	Client Sa	mple	ID: Lat	Control Sa		
Matrix: Water									Prep Type	: To	tal/NA
Analysis Batch: 687836									a. =		
			Spike		LCSD		_	~-	%Rec		RPD
Analyte Chloride			Added 20.0		Qualifier	Unit	D	%Rec		RPD 0	
			20.0	19.6		mg/L		98	90 - 110	0	П
Lab Sample ID: 280-20434	5-7 MS					С	lient	Sample	ID: COMPL		
Matrix: Water									Prep Type	: 10	
Analysis Batch: 687836	Sampla	Sampla	Spike	ме	MS				%Rec		
Analyte	Sample	Qualifier	Added	-	Qualifier	Unit	D	%Rec	Limits		
Chloride	ND		20.0	20.0		mg/L		100	90 - 110		
-						5					
Lab Sample ID: 280-204345	5-7 MSD					С	lient	Sample	ID: COMPL		
Matrix: Water									Prep Type	: To	tal/NA
Analysis Batch: 687836											
	Sample	•	Spike		MSD				%Rec		RPD
Analyte		Qualifier	Added		Qualifier	Unit	D	%Rec		RPD	Limi
Chloride	ND		20.0	19.8		mg/L		99	90 - 110	1	10
Method: SM 4500 SO4 B	E - Sulfate	e, Total									
Lab Sample ID: MB 280-68 Matrix: Water	8318/14						Clie	ent Sam	ple ID: Metl Prep Type		
Analysis Batch: 688318									10 A 10 A		
		MB MB									
Analyte	Re	sult Qualifier			MDL Unit	[р р	repared	Analyzed		Dil Fac
Sulfate		ND		3.0	1.0 mg/L				03/19/25 11:	35	1

Job ID: 280-204345-1

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

Matrix: Water Analysis Batch: 688318 Prep Type: Total/NA Analysis Batch: 688318 Analyte Spike Added Added Result Qualifier D %Rec Lab Sample ID: LCSD 280-688318/13 Matrix: Water Analysis Batch: 688318 Client Sample ID: Lab Control Sample Dup Prep Type: Total/NA Analysis Batch: 688318 Client Sample ID: Lab Control Sample Dup Prep Type: Total/NA Analysis Batch: 688318 Analyte Spike LCSD LCSD LCSD Matrix: Water Analysis Batch: 688318 Analyte Spike LCSD LCSD LCSD Matrix: Water Analysis Batch: 688318 Analyte Result Qualifier Unit D %Rec RPD Unitts Suifate 25.0 26.8 mg/L D %Rec RPD Unitts Analyte Result Qualifier 0.110 0 100 0 10 Lab Sample ID: 280-204345-1 MS Matrix: Water Analyte Sample Spike MS MS MS %Rec Imits Lab Sample ID: 280-204345-1 MSD Matrix: Water Analysis Batch: 688318 Sample Spike MS MS MS %Rec Imits Lab Sample ID: 280-204345-1 MSD Matrix: Water Analysis Batch: 688318 Sample Spike MSD MSD MSD %Rec RPD Lab Sample ID: 280-204345-2 MSD	_ Lab Sample ID: LCS 280-68	8318/12					CI	ient Sa	mple ID	: Lab Cor	ntrol Sa	ample
Analysis Batch: 688318 Spike Added LCS 25.0 LCS 25.7 LCS mg/L LCS 107 LCS 90.110 Kec 107 Kec 90.110 Lab Sample ID: LCSD 280-688318/13 Matrix: Water Spike Analysis Batch: 688318 Spike 25.0 Client Sample ID: Lab Control Sample Dup Prep Type: Total/NA Analysis Batch: 688318 Spike Matrix: Water Added Result Client Sample ID: Lab Control Sample Dup Prep Type: Total/NA Analysis Batch: 688318 Spike Suffate Added Result Client Sample ID: CARIBOU PORTAL Prep Type: Total/NA Analysis Batch: 688318 Sample Result Client Sample ID: CARIBOU PORTAL Prep Type: Total/NA Analysis Batch: 688318 Sample Result Spike Result MS MS WRec mg/L V/Rec Imits RPD Imits Lab Sample ID: 280-204345-1 MSD Matrix: Water Sample 9.5 Spike 25.0 MS MS WRec Imits Limits Limits Lab Sample ID: 280-204345-1 MSD Matrix: Water Sample 9.5 Spike 25.0 MSD MSD WRec Imits Limits RPD Limit 9.0 Limits RPD Limit 9.0 Limits RPD Limit 9.0 Limits RPD Limit 9.0 Limits RPD Limit 9.0												
Spike Analyte LCS Result LCS Quilifier LCS Impl Vinit D %Rec Impl Limits Sufate 25.0 26.7 mg/L 107 90.110 Impl 107 90.110 Lab Sample ID: LCSD 280-688318/13 Matrix: Water Analysis Batch: 688318 Spike LCSD LCSD Client Sample ID: Lab Control Sample Dup Prep Type: Total/NA Analyte Added Result Qualifier Unit D %Rec RPD Analyte Added Result Qualifier Unit D %Rec RPD Sufate 25.0 26.8 mg/L D %Rec RPD Analyte Sample Sample Sample Sample Sample Sample NS NS NS NS NRec Limits NRec NRec	Analysis Batch: 688318										•	
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Lab Sample ID: LCSD 280-688318/13 Matrix: Water Analysis Batch: 688318Client Sample ID: Lab Control Sample Du Prep Type: Total/NAAnalyteAddedResultQualifierUnitD%RecRPD LimitsSulfate25.026.8ImitD%RecRPD LimitsRPD LimitsAnalyteSample Sample25.026.8ImitD%RecRPD LimitsAnalyteResult QualifierAddedMS MS Result QualifierD%RecImitsAnalyteResult QualifierAddedMS MS Result QualifierD%RecImitsSulfate9.525.035.4ImitD%RecImitsLab Sample ID: 280-204345-1 MSD Matrix: Water Analysis Batch: 688318Sample SampleSpikeMS MS ResultQualifierUnitD%RecImitsAnalyteResult Qualifier Added25.034.6ImitD%RecImitsSulfate9.525.034.6mg/L01002100Lab Sample ID: 280-204345-2 MS Matrix: Water Analysis Batch: 688318Sample SampleSpike AddedMS M Result QualifierMS M MS MS Result QualifierUnitD%Rec MRecImits ImitsLab Sample ID: 280-204345-2 MSD Matrix: Water Analysis Batch: 688318Sample Sample SampleSpike AddedMS MS Result QualifierMS MSD MS MSDD%Rec Imits%Rec LimitsPrep Type: Total/NA <tr< td=""><td>Analyte</td><td></td><td></td><td>Added</td><td>Result</td><td>Qualifier</td><td>Unit</td><td>D</td><td>%Rec</td><td>Limits</td><td></td><td></td></tr<>	Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits		
Matrix: Water Analysis Batch: 688318 Prep Type: Total/NA Analyte Sulfate Spike Added LCSD 26.8 LCSD mg/L Vinit D %Rec Simits RPD Limits RPD Limits RPD Limits RPD D Limits RPD Limits Limits Limits Limits Limits Limits Limits RPD Limits Limits Limits Limits Limits RPD Limits Limits Limits Limits Limits <t< td=""><td>Sulfate</td><td></td><td></td><td>25.0</td><td>26.7</td><td></td><td>mg/L</td><td></td><td>107</td><td>90 - 110</td><td></td><td></td></t<>	Sulfate			25.0	26.7		mg/L		107	90 - 110		
Analysis Batch: 688318Spike AnalyteLCSD ResultLCSD QualifierLCSD mg/LD p %Rec 107%Rec g Limit g 90.110RPD 0Limit 10Lab Sample ID: 280-204345-1 MS Matrix: Water Analysis Batch: 688318Sample 9.5Spike 25.0MS 25.0MS 35.4Client Sample ID: CARIBOU PORTAL Prep Type: Total/NAAnalyte SuffateResult 9.5Qualifier 25.0Added 25.0Result 35.4Qualifier MSUnit mg/LD %Rec 104%Rec 90.110Imits 90.110Lab Sample ID: 280-204345-1 MSD Matrix: Water AnalyteSample 9.5Spike 25.0MSD 35.4%Rec mg/LLimits D 90.110MREc LimitsLimits Prep Type: Total/NA Prep Type: Total/NA Prep Type: Total/NA Prep Type: Total/NA Prep Type: Total/NA AnalyteAnalyte SulfateSample 9.5Spike 25.0MSD 34.6MSD mg/L%Rec 101RPD 90.110Limit 2Lab Sample ID: 280-204345-2 MSD Matrix: Water Analysis Batch: 688318Sample 8 Sample 1.8Spike 25.0MS 29.5MS F1MS mg/LMS 101MSD 90.110%Rec 111Prep Type: Total/NA 90.110Lab Sample ID: 280-204345-2 MSD Matrix: Water Analysis Batch: 688318Sample 8 Spike 1.8MSD 29.5MSD 29.5MSD 11MSD 111MREc 111MREc 90.110Lab Sample ID: 280-204345-2 MSD Matrix: Water Analysis Batch: 688318Sample 8 Spike 1.8MSD 29.5MSD	Lab Sample ID: LCSD 280-6	688318/13				C	lient S	Sample	ID: Lab			
Spike LCSD LCSD Vinit D %Rec RPD Limits RP										Prep Ty	pe: Tot	al/NA
AnalyteAddedResultQualifierUnitD%RecLimitsRPDLimitsSulfate25.026.8mg/L010010Lab Sample ID: 280-204345-1 MS Matrix: Water Analysis Batch: 688318SampleSampleSpikeMSMSClient Sample ID: CARIBOU PORTAL Prep Type: Total/NAAnalyteResultQualifierAddedResultQualifierQualifierMSMSMS%RecLimitsSulfate9.525.035.4QualifierMSDMSDP%RecLimits-AnalyteResultQualifierAddedResultQualifierNSDMSDVinitD%RecRepAnalyteResultQualifierAddedMSDMSDMSDVinitD%RecRPDLimitsSulfate9.59.525.034.6MSDMSDVinitD%RecRPDLimitsLab Sample ID: 280-204345-2 MS Matrix: Water Analysis Batch: 688318SampleSampleSpikeMSMSMSClient Sample ID: CARIBOU WELL Prep Type: Total/NALab Sample ID: 280-204345-2 MS Matrix: Water Analysis Batch: 688318SampleSpikeMSMSMSMSMSCWRecLimits-Lab Sample ID: 280-204345-2 MSD Matrix: Water Analysis Batch: 688318SampleSampleSpikeMSMSMSMSDVinitD%RecResultVinitD%	Analysis Batch. 600310			Spike	LCSD	LCSD				%Rec		RPD
Sulfate25.026.8mg/L10790.110010Lab Sample ID: 280-204345-1 MS Matrix: Water Analysis Batch: 688318Sample 9.5Sample 25.0Spike 35.4MS MS MSMS MS MSDClient Sample ID: CARIBOU PORTAL Prep Type: Total/NAAnalyte Sulfate9.525.035.4Unit mg/LD mg/L%Rec LimitsLab Sample ID: 280-204345-1 MSD Matrix: Water AnalyteSample Sample 9.5Spike 25.0MSD 35.4MSD mg/LD mg/L%Rec LimitsClient Sample ID: CARIBOU PORTAL Prep Type: Total/NA Prep Type: Total/NAAnalyte SulfateResult 9.5Qualifier 25.0Added 25.0MSD 34.6MSD mg/LD mg/L%Rec Limits prop Type: Total/NAAnalyte SulfateResult 1.8JF125.029.5F1D mg/L%Rec Limits prop Type: Total/NAAnalyte SulfateResult 1.8JF125.029.5F1D mg/L%Rec Limits po.110Lab Sample ID: 280-204345-2 MSD Matrix: Water Analysis Batch: 688318Sample Sample Sample Sample SulfateSpike Added 25.0MSD 29.5MSD Prop Type: Total/NA	Analyte			•	-		Unit	D	%Rec		RPD	
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AnalyteResultQualifierAddedResultQualifierUnitD%RecLimitsSulfate9.525.035.44mg/LD%RecLimits90.110Lab Sample ID: 280-204345-1 MSD Matrix: Water Analysis Batch: 688318Sample QualifierSpikeMSDMSDClient Sample ID: CARIBOU PORTAL Prep Type: Total/NAAnalyteResult QualifierQualifierAdded AddedResult QualifierQualifierUnit mg/LD%Rec %RecRPD LimitsLab Sample ID: 280-204345-2 MS Matrix: Water Analysis Batch: 688318Sample QualifierSpike AddedMS ResultMS QualifierMS MS MSMS mg/LClient Sample ID: CARIBOU WELL Prep Type: Total/NAAnalyteResult QualifierQualifier AddedAdded ResultMS QualifierMS mg/LMS mg/LMS mg/LMRcc LimitsLab Sample ID: 280-204345-2 MSD Matrix: Water Analysis Batch: 688318Sample SifeSpike AddedMS ResultMS QualifierMS mg/LMS mg/LMS Prep Type: Total/NALab Sample ID: 280-204345-2 MSD Matrix: Water Analysis Batch: 688318Sample QualifierSpike AddedMS ResultMSD QualifierMSD mg/LMSD mg/LMRcc LimitsMRC Prep Type: Total/NAAnalyteResult QualifierQualifier AddedMSD AddedMSD ResultMSD QualifierMSD mg/LMSD mg/LMC D%Rec <td>Analysis Batch: 688318</td> <td>0</td> <td>0</td> <td>0</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>0/ D</td> <td></td> <td></td>	Analysis Batch: 688318	0	0	0						0/ D		
Sulfate9.525.035.4mg/L10490.110Lab Sample ID: 280-204345-1 MSD Matrix: Water Analysis Batch: 688318Sample ResultSample 	Analysia			•			11	_	% D = =			
Lab Sample ID: 280-204345-1 MSD Matrix: Water Analysis Batch: 688318Sample Result QualifierSpike Added 25.0MSD Result QualifierClient Sample ID: CARIBOU PORTAL Prep Type: Total/NAAnalyte SuifateResult 9.5Qualifier 25.0Added 34.6MSD Result QualifierUnit mg/LD %Rec 101%Rec 90.110RPD 2Limit 10Lab Sample ID: 280-204345-2 MS Matrix: Water AnalyteSample Result QualifierSpike Added 25.0MS 34.6MS Result QualifierClient Sample ID: CARIBOU WELL Prep Type: Total/NAAnalyte SulfateResult 1.8Qualifier JF1Added 25.0MS 29.5MS F1MS mg/LMS D %Rec 111MRC 90.110%Rec Limits 90.110Lab Sample ID: 280-204345-2 MSD Matrix: Water Analysis Batch: 688318Sample Sample 1.8Spike Added 25.0MS 29.5MS F1Unit mg/LD %Rec 111%Rec Limits Prep Type: Total/NALab Sample ID: 280-204345-2 MSD Matrix: Water Analysis Batch: 688318Sample Sample SampleSpike Added Added Result QualifierMSD Qualifier Unit mg/LD MSD %Rec MSD%Rec Ker Rep Limit Prep Type: Total/NAAnalyte SulfateSample Result QualifierSpike Added Result QualifierMSD Qualifier Unit mg/LMSD Unit Unit D %Rec Horito%Rec RPD Limit Unit UnitAnalyte SulfateResult Qualifier QualifierMSD			Quaimer			Quaimer		D				
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Analysis Batch: 688318Sample Result QualifierSpike Added 25.0MSD Result QualifierMSD Point MSDMSD Point mg/LMRC P Point mg/LRep Limits Point Point Point Point Point Point Point Prep Type: Total/NALab Sample ID: 280-204345-2 MS Matrix: Water Analysis Batch: 688318Sample Sample Sample Natrix: Water Analysis Batch: 688318Sample Sample Sample Sample Differ SulfateSpike Added Added Prep Type: Total/NAMSD MSD MSS Prep Type: Total/NAAnalyte SulfateResult 1.8Qualifier JF1Added 25.0MSD 29.5MSD F1MSD mg/LMSD Prep Type: Total/NALab Sample ID: 280-204345-2 MSD Matrix: Water Analysis Batch: 688318Sample JF1Spike 25.0MSD 29.5MSD F1MSD mg/LMSD Prep Type: Total/NALab Sample ID: 280-204345-2 MSD Matrix: Water Analysis Batch: 688318Sample Spike Analysis Batch: 688318Sample Spike Added AddedMSD Result Prep Type: Total/NAMSD MSD MSD MSD Prep Type: Total/NAAnalyte SulfateSample 1.8Spike JF1ZiolMSD 29.3MSD Qualifier QualifierD WRE Vinit P MSD MSDMSD Vinit P P VinitMRE MRE Limits P P Limit NDMRE P P Limit T	Lab Sample ID: 280-204345	-1 MSD					С	lient Sa	ample II	D: CARIB	OU PO	RTAL
AnalyteSample ResultSample QualifierSpike AddedMSDMSD%RecRPD Limit mg/LLimits 9%RecRPD LimitsLimit 102Limit 10Lab Sample ID: 280-204345-2 MS Matrix: Water Analysis Batch: 688318Sample ResultSpike QualifierMSMSClient Sample ID: CARIBOU WELL Prep Type: Total/NAAnalyte SulfateResult 1.8Qualifier J F1Added 25.0Result 25.0Qualifier 25.0Unit 25.0D %Rec Result QualifierMS MS MSLab Sample ID: 280-204345-2 MSD SulfateResult Qualifier J F1Added 25.0Result 25.0Qualifier 29.5Unit F1D mg/L%Rec 111Limits 90.110Lab Sample ID: 280-204345-2 MSD Matrix: Water Analysis Batch: 688318Sample SpikeSpike Added 25.0MSD 29.5Client Sample ID: CARIBOU WELL Prep Type: Total/NALab Sample ID: 280-204345-2 MSD Matrix: Water Analysis Batch: 688318Sample SpikeSpike Added 25.0MSD 29.3Client Sample ID: CARIBOU WELL Prep Type: Total/NALab Sample ID: 280-204345-2 MSD Matrix: Water Analysis Batch: 688318Sample SpikeSpike Added 25.0MSD 29.3MSD mg/LUnit mg/LD with mg/L%Rec Limits Prep Type: Total/NAAnalyte SulfateResult 1.8J F125.029.3MSD 29.3D mg/LD with mg/LMRC D with 20.110Limits 1Matrix:	Matrix: Water									Prep Ty	pe: Tot	al/NA
AnalyteResultQualifierAddedResultQualifierUnitD%RecLimitsRPDLimitsSulfate9.525.034.634.6MeinicUnitD%RecLimitsRPDLimitsLab Sample ID: 280-204345-2 MSSampleSampleSpikeMSMSMSPrep Type: Total/NAAnalyteSampleSampleSpikeAddedResultQualifierUnitD%RecLimitsPrep Type: Total/NASulfate1.8J F125.025.029.5F1UnitD%RecLimits-Lab Sample ID: 280-204345-2 MSD1.8J F125.029.5F1UnitD%RecLimits-Lab Sample ID: 280-204345-2 MSDSample SampleSpikeMSDMSDClient Sample ID: CARIBOU WELLMatrix: Water1.8J F125.029.3MSDClient Sample ID: CARIBOU WELLAnalyteResultQualifierAddedResultQualifierUnitD%RecLimitsSulfate1.8J F125.029.329.3UnitD%RecLimitsRPDSulfate1.8J F125.029.329.3UnitD%RecLimitsRPDSulfate1.8J F125.029.329.3UnitD10110	Analysis Batch: 688318											
Sulfate9.525.034.6mg/L10190.110210Lab Sample ID: 280-204345-2 MS Matrix: Water Analysis Batch: 688318Sample Result QualifierSpike AddedMS Result 29.5MS F1MS mg/LClient Sample ID: CARIBOU WELL Prep Type: Total/NAAnalyte SulfateResult 1.8Qualifier J F1Added 25.0Result 29.5Qualifier mg/LD mg/L%Rec fillLimits 90.110Lab Sample ID: 280-204345-2 MSD Matrix: Water Analysis Batch: 688318Sample Result Qualifier AddedSpike Added Result Added 29.3MSD mg/LClient Sample ID: CARIBOU WELL Prep Type: Total/NAAnalyte SulfateSample Result 1.8Spike J F1MSD 25.0MSD 29.3Client Sample ID: CARIBOU WELL Prep Type: Total/NA		Sample	Sample	Spike	MSD	MSD				%Rec		RPD
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Matrix: Water Analysis Batch: 688318Sample ResultSpike QualifierMS AddedMS ResultPrep Type: Total/NAAnalyteResult 1.8Qualifier JF1Added 25.0Result 29.5Qualifier F1Unit mg/LD P Mit Total/NA%Rec Limits 111	Sulfate	9.5		25.0	34.6		mg/L		101	90 - 110	2	10
Matrix: Water Analysis Batch: 688318Sample ResultSpike QualifierMS AddedMS ResultPrep Type: Total/NAAnalyteResult 1.8Qualifier JF1Added 25.0Result 29.5Qualifier F1Unit mg/LD P Mit Total/NA%Rec Limits 111	Lab Sample ID: 280-204345	-2 MS						Client	Sample	e ID: CAR		NELL
Sample AnalyteSample QualifierSpike AddedMS ResultMS QualifierMRc LimitsLimits 90 - 110Lab Sample ID: 280-204345-2 MSD Matrix: Water Analysis Batch: 688318Sample SampleSpike SpikeMSD MSDClientSample ID: CARIBOU WELL Prep Type: Total/NAAnalyte SulfateSample ResultSpike QualifierMSD 25.0MSD 29.3%Rec mg/LRPD 110Lab Sample ID: 280-204345-2 MSD Matrix: Water Analysis Batch: 688318Sample SampleSpike AddedMSD 25.0MSD 29.3ClientSample ID: CARIBOU WELL Prep Type: Total/NAAnalyte SulfateResult 1.8Qualifier JF1Added 25.029.3MSD 29.3%Rec mg/LRPD 110Limits 10	Matrix: Water									Prep Ty	pe: Tot	al/NA
AnalyteResultQualifierAddedResultQualifierUnitD%RecLimitsSulfate1.8J F125.029.5F1mg/LD%RecLimitsLab Sample ID: 280-204345-2 MSD Matrix: Water Analysis Batch: 688318SampleSampleSpikeMSDClientSample ID: CARIBOU WELL Prep Type: Total/NAAnalyteSampleSample 1.8SpikeMSDMSDMSD%RecRPD LimitsSulfate1.8J F125.029.329.3QualifierUnit mg/LD%RecRPD LimitsRPD Limit10	Analysis Batch: 688318											
Sulfate1.8J F125.029.5F1mg/L11190 - 110Lab Sample ID: 280-204345-2 MSD Matrix: Water Analysis Batch: 688318Client Sample ID: CARIBOU WELL Prep Type: Total/NAAnalysis Batch: 688318Sample Result 1.8Spike J F1MSD 25.0MSD 29.3MSD mg/L%Rec 110RPD 110Matrix: Water Prep Type: Total/NAAnalysis Batch: 688318Sample Result J F1Spike 25.0MSD 29.3MSD mg/LØ%Rec 110RPD 90 - 110Limit 1		Sample	Sample	Spike	MS	MS				%Rec		
Lab Sample ID: 280-204345-2 MSD Matrix: Water Analysis Batch: 688318Client Sample ID: CARIBOU WELL Prep Type: Total/NAAnalyteSampleSampleSpikeMSDMSD%RecRPDAnalyteResultQualifierAddedResultQualifierUnitD%RecRPDSulfate1.8J F125.029.329.3mg/LD%RecRPDLimit								D				
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Matrix: Water Analysis Batch: 688318Sample ResultSpike UtilityMSD ResultMSD MSDPrep Type: Total/NAAnalyte SulfateResult 1.8Qualifier J F1Added 25.0Result 29.3Qualifier mg/LUnit mg/LD 2%Rec 110RPD 20-110Limit 1Limit 10		-2 MSD						Client	Sampl	e ID: CAR		NELL
Analysis Batch: 688318SampleSampleSpikeMSDMSD%RecRPDAnalyteResultQualifierAddedResultQualifierUnitD%RecRPDSulfate1.8J F125.029.329.3mg/LD%RecLimitsRPD									•			
SampleSampleSpikeMSDMSDRecRPDAnalyteResultQualifierAddedResultQualifierUnitD%RecLimitsRPDSulfate1.8J F125.029.329.3mg/LD%RecLimitsRPDLimit	Analysis Batch: 688318										-	
Sulfate 1.8 J F1 25.0 29.3 mg/L 110 90 - 110 1 10	-	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
- · · · · ·	Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Method: 900.0 - Gross Alpha and Gross Beta Radioactivity	Sulfate	1.8	J F1	25.0	29.3		mg/L		110	90 - 110	1	10
	Method: 900.0 - Gross A	lpha and	Gross	Beta Radi	oactivit	v						

Client Sample ID: Method Blank Lab Sample ID: MB 160-708337/1-A **Matrix: Water** Prep Type: Total/NA Analysis Batch: 708497 Prep Batch: 708337 Count Total MB MB Uncert. Uncert. Analyte **Result Qualifier** (2**σ**+/-) (2**σ**+/-) RL MDC Unit Prepared Analyzed Dil Fac Gross Alpha 0.2742 U 0.568 0.568 3.00 0.997 pCi/L 03/18/25 08:02 03/19/25 18:14 1 Gross Beta -0.1187 U 0.509 0.509 4.00 0.921 pCi/L 03/18/25 08:02 03/19/25 18:14 1

Other Detected

Radionuclide

None

Job ID: 280-204345-1

7 8 9

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

	D: LCS 1	60-708	55772-A							inple iD.	Lab Control		
Matrix: Water											Prep Type:		
Analysis Bate	ch: 70849	7				T . (.)					Prep Batch:	70	1833
			Omilia	1.00	1.00	Total					0/ D = =		
A			Spike	-	LCS	Uncert.		MDO	11		%Rec		
Analyte Gross Alpha			Added 49.5	Result 52.25	Quai	<u>(2σ+/-)</u> 7.50	RL 3.00	MDC	pCi/L		Limits		
Gross Alpha			49.5	52.25		7.50	3.00	1.87	pCI/L	106	75 - 125		
Lab Sample I Matrix: Water		160-70	08337/3-A					Clie	ent Sa	mple ID:	Lab Control Prep Type: 1		
Analysis Bate		7									Prep Batch:		
Analysis Bat						Total					Trop Baton.		
			Spike	LCSB	LCSB	Uncert.					%Rec		
Analyte			Added	Result		(2σ+/-)	RL	MDC	Unit	%Rec	Limits		
Gross Beta			70.1	67.70		7.30	4.00	0.976		97	75 - 125	_	
									•				
Lab Sample I	D: 240-22	20200-(C-29-B MS						C	lient San	nple ID: Matr		
Matrix: Water											Prep Type: 1		
Analysis Bate	ch: 70849)7									Prep Batch:	70)833
						Total							
	Sample	•	e Spike	MS	MS	Uncert.					%Rec		
Analyte	Result		Added	Result	Qual	(2σ+/-)	RL	MDC		%Rec	Limits		
Gross Alpha	4.09	UG	103	97.20		15.3	3.00	5.40	pCi/L	90	60 - 140		
Matrix: Water Analysis Bate		5				Total					Prep Type: 1 Prep Batch:		
	Sample	Sample	e Spike	MSBT	MSBT	Uncert.					%Rec		
Analyte	Result		Added	Result	Qual	(2 σ+/-)	RL	MDC	Unit	%Rec	Limits		
Gross Beta	6.68		146	145.9		15.7	4.00	2.02	pCi/L	95	60 - 140	_	
Lab Sample I		20200-0	C-29-D DU							Client	Sample ID: D		
Matrix: Water											Prep Type:		
Analysis Bate	cn: 70868	15				Total					Prep Batch:	Λ	1833
	Sampla	Somale	_	БЦ	DU								RE
Analyte	Sample Result		5	Result	-	Uncert. (2σ+/-)	RL	MDC	llnit		RE	R	Lin
<u> </u>	4.09			1.275		3.50	3.00		pCi/L		RE	_	
Gross Alpha Gross Beta	6.68	5.5		6.198	5.0	1.73	4.00		pCi/L		0.		
CIUSS Dela	0.00			0.150		1.75	4.00	1.55	poi/L		0.	10	
	.1 - Ces	ium 1	137 & Oth	er Gam	ma Emi	tters (GS	S)						
lethod: 901			00/4						Cli	ent Sam	ple ID: Metho	dE	Blan
Lab Sample I		0-7086	99/1-A								Prep Type: 1	fot	al/N
Lab Sample I Matrix: Water	•		99/1-A										
Lab Sample I Matrix: Water	•		99/1-A								Prep Batch:	70)869
Lab Sample I Matrix: Water	•		999/1-A	Count	Total							70)869
Lab Sample I Matrix: Water	•	39	мв	Count Uncert.	Total Uncert.							70)869
Lab Sample I Matrix: Water Analysis Bate	•	39 МВ				RL	MDC	Unit	I	Prepared			
Lab Sample I Matrix: Water Analysis Bate Analyte	•	39 МВ	MB Qualifier	Uncert.	Uncert.			Unit pCi/L		-	Prep Batch:		
Iethod: 901 Lab Sample I Matrix: Water Analysis Bato Analyte Cesium-137	•	39 MB Result	MB Qualifier	Uncert. (2σ+/-)	Uncert. (2σ+/-)					-	Prep Batch: Analyzed		0869 Dil Fa
Lab Sample I Matrix: Water Analysis Bate Analyte	•	MB Result -3.285	MB Qualifier U	Uncert. (2σ+/-) 11.1	Uncert. (2σ+/-) 11.1					-	Prep Batch: Analyzed		

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03/20/25 13:30 03/20/25 17:58

pCi/L

1

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

Matrix: Water	alysis Batch: 708644						Client Sample ID: Lab Contr Prep Type Prep Bate						
-						Total					-		
			Spike	LCS	LCS	Uncert.					%Rec		
Analyte			Added	Result	Qual	(2σ+/-)	RL	MDC	Unit	%Rec	Limits		
Americium-241			135000	145900		15900		1060	pCi/L	108	75 - 125		
Cesium-137			39000	44780		4450	20.0	112	pCi/L	115	75 - 125		
Cobalt-60			13700	15010		1470		55.4	pCi/L	109	75 - 125		
Lab Sample II	D: 280-20)4345-1 D	U					C	ient Sa	ample ID	: CARIBOU P	ORTAL	
Matrix: Water											Prep Type: Dis		
Analysis Batc	h: 70863	9									Prep Batch:	708699	
-						Total							
	Sample	Sample		DU	DU	Uncert.						RER	
Analyte	Result	Qual		Result	Qual	(2σ+/-)	RL	MDC	Unit		RE	R Limit	
Cesium-137	2.10	U		-4.229	U	9.96	20.0	18.2	pCi/L		0.3	5 1	
						Total							
Other Detected	Sample	Sample		DU	DU	Uncert.						RER	
Radionuclides	Result	Qual		Result	Qual	(2σ+/-)	RL	MDC	Unit		RE	R Limit	
Other Detected Radionuclide	None			None		·			pCi/L				

Client: Grand Island Resources Project/Site: Nederland, CO - Groundwater Job ID: 280-204345-1

Metals

Prep Batch: 687687

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
280-204345-1	CARIBOU PORTAL	Dissolved	Water	200.8	
280-204345-2	CARIBOU WELL	Dissolved	Water	200.8	
280-204345-3	CARIBOU WELL 02	Dissolved	Water	200.8	
280-204345-4	CROSS PORTAL	Dissolved	Water	200.8	
280-204345-5	CROSS PORTAL 02	Dissolved	Water	200.8	
280-204345-6	COMPLIANCE WELL	Dissolved	Water	200.8	
280-204345-7	COMPLIANCE 03	Dissolved	Water	200.8	
280-204345-8	CROSS WELL	Dissolved	Water	200.8	
MB 280-687687/1-A	Method Blank	Total Recoverable	Water	200.8	
LCS 280-687687/24-A	Lab Control Sample	Total Recoverable	Water	200.8	
LCS 280-687687/2-A	Lab Control Sample	Total Recoverable	Water	200.8	
280-204331-D-1-B MS	Matrix Spike	Total Recoverable	Water	200.8	
280-204331-D-1-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	200.8	
280-204331-D-1-E MS	Matrix Spike	Total Recoverable	Water	200.8	
280-204331-D-1-F MSD	Matrix Spike Duplicate	Total Recoverable	Water	200.8	

Analysis Batch: 687958

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-204345-1	CARIBOU PORTAL	Dissolved	Water	200.8	687687
280-204345-2	CARIBOU WELL	Dissolved	Water	200.8	687687
280-204345-3	CARIBOU WELL 02	Dissolved	Water	200.8	687687
280-204345-4	CROSS PORTAL	Dissolved	Water	200.8	687687
280-204345-5	CROSS PORTAL 02	Dissolved	Water	200.8	687687
280-204345-6	COMPLIANCE WELL	Dissolved	Water	200.8	687687
280-204345-7	COMPLIANCE 03	Dissolved	Water	200.8	687687
280-204345-8	CROSS WELL	Dissolved	Water	200.8	687687
MB 280-687687/1-A	Method Blank	Total Recoverable	Water	200.8	687687
LCS 280-687687/24-A	Lab Control Sample	Total Recoverable	Water	200.8	687687
280-204331-D-1-E MS	Matrix Spike	Total Recoverable	Water	200.8	687687
280-204331-D-1-F MSD	Matrix Spike Duplicate	Total Recoverable	Water	200.8	687687

Analysis Batch: 687995

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-204345-1	CARIBOU PORTAL	Dissolved	Water	200.8	687687
280-204345-2	CARIBOU WELL	Dissolved	Water	200.8	687687
280-204345-3	CARIBOU WELL 02	Dissolved	Water	200.8	687687
280-204345-4	CROSS PORTAL	Dissolved	Water	200.8	687687
280-204345-5	CROSS PORTAL 02	Dissolved	Water	200.8	687687
280-204345-6	COMPLIANCE WELL	Dissolved	Water	200.8	687687
280-204345-7	COMPLIANCE 03	Dissolved	Water	200.8	687687
280-204345-8	CROSS WELL	Dissolved	Water	200.8	687687

Analysis Batch: 688118

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-204345-1	CARIBOU PORTAL	Dissolved	Water	200.7 Rev 4.4	687687
280-204345-2	CARIBOU WELL	Dissolved	Water	200.7 Rev 4.4	687687
280-204345-3	CARIBOU WELL 02	Dissolved	Water	200.7 Rev 4.4	687687
280-204345-4	CROSS PORTAL	Dissolved	Water	200.7 Rev 4.4	687687
280-204345-5	CROSS PORTAL 02	Dissolved	Water	200.7 Rev 4.4	687687
280-204345-6	COMPLIANCE WELL	Dissolved	Water	200.7 Rev 4.4	687687
280-204345-7	COMPLIANCE 03	Dissolved	Water	200.7 Rev 4.4	687687

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

Metals (Continued)

Analysis Batch: 688118 (Continued)

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
280-204345-8	CROSS WELL	Dissolved	Water	200.7 Rev 4.4	687687
MB 280-687687/1-A	Method Blank	Total Recoverable	Water	200.7 Rev 4.4	687687
LCS 280-687687/2-A	Lab Control Sample	Total Recoverable	Water	200.7 Rev 4.4	687687
280-204331-D-1-B MS	Matrix Spike	Total Recoverable	Water	200.7 Rev 4.4	687687
280-204331-D-1-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	200.7 Rev 4.4	687687

General Chemistry

Analysis Batch: 687602

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch	
280-204345-1	CARIBOU PORTAL	Total/NA	Water	300.0		
280-204345-2	CARIBOU WELL	Total/NA	Water	300.0		
280-204345-3	CARIBOU WELL 02	Total/NA	Water	300.0		
280-204345-4	CROSS PORTAL	Total/NA	Water	300.0		
280-204345-5	CROSS PORTAL 02	Total/NA	Water	300.0		
280-204345-6	COMPLIANCE WELL	Total/NA	Water	300.0		
280-204345-7	COMPLIANCE 03	Total/NA	Water	300.0		
280-204345-8	CROSS WELL	Total/NA	Water	300.0		
MB 280-687602/75	Method Blank	Total/NA	Water	300.0		
LCS 280-687602/73	Lab Control Sample	Total/NA	Water	300.0		
LCSD 280-687602/74	Lab Control Sample Dup	Total/NA	Water	300.0		
MRL 280-687602/3	Lab Control Sample	Total/NA	Water	300.0		
280-204345-8 MS	CROSS WELL	Total/NA	Water	300.0		
280-204345-8 MSD	CROSS WELL	Total/NA	Water	300.0		
280-204345-8 DU	CROSS WELL	Total/NA	Water	300.0		

Analysis Batch: 687775

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-204345-1	CARIBOU PORTAL	Total/NA	Water	353.2	
280-204345-2	CARIBOU WELL	Total/NA	Water	353.2	
280-204345-3	CARIBOU WELL 02	Total/NA	Water	353.2	
280-204345-4	CROSS PORTAL	Total/NA	Water	353.2	
280-204345-5	CROSS PORTAL 02	Total/NA	Water	353.2	
280-204345-6	COMPLIANCE WELL	Total/NA	Water	353.2	
280-204345-7	COMPLIANCE 03	Total/NA	Water	353.2	
280-204345-8	CROSS WELL	Total/NA	Water	353.2	
MB 280-687775/20	Method Blank	Total/NA	Water	353.2	
LCS 280-687775/18	Lab Control Sample	Total/NA	Water	353.2	
LCSD 280-687775/19	Lab Control Sample Dup	Total/NA	Water	353.2	
280-204345-1 MS	CARIBOU PORTAL	Total/NA	Water	353.2	
280-204345-1 MSD	CARIBOU PORTAL	Total/NA	Water	353.2	

Analysis Batch: 687836

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-204345-1	CARIBOU PORTAL	Total/NA	Water	SM 4500 CI- E	
280-204345-2	CARIBOU WELL	Total/NA	Water	SM 4500 CI- E	
280-204345-3	CARIBOU WELL 02	Total/NA	Water	SM 4500 CI- E	
280-204345-4	CROSS PORTAL	Total/NA	Water	SM 4500 CI- E	
280-204345-5	CROSS PORTAL 02	Total/NA	Water	SM 4500 CI- E	
280-204345-6	COMPLIANCE WELL	Total/NA	Water	SM 4500 CI- E	
280-204345-7	COMPLIANCE 03	Total/NA	Water	SM 4500 CI- E	

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Job ID: 280-204345-1

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

General Chemistry (Continued)

Analysis Batch: 687836 (Continued)

Lab Sample ID 280-204345-8	Client Sample ID	Prep Type Total/NA	Matrix Water	Method SM 4500 Cl- E	Prep Batch
MB 280-687836/15	Method Blank	Total/NA	Water	SM 4500 CI- E	
LCS 280-687836/13	Lab Control Sample	Total/NA	Water	SM 4500 CI- E	
LCSD 280-687836/14	Lab Control Sample Dup	Total/NA	Water	SM 4500 CI- E	
280-204345-7 MS	COMPLIANCE 03	Total/NA	Water	SM 4500 CI- E	
280-204345-7 MSD	COMPLIANCE 03	Total/NA	Water	SM 4500 CI- E	

Analysis Batch: 688073

Lab Sample ID 280-204345-1	Client Sample ID	Prep Type Total/NA	Matrix Water	Method SM 2540C	Prep Batch
280-204345-2	CARIBOU WELL	Total/NA	Water	SM 2540C	
280-204345-3	CARIBOU WELL 02	Total/NA	Water	SM 2540C	
280-204345-4	CROSS PORTAL	Total/NA	Water	SM 2540C	
280-204345-5	CROSS PORTAL 02	Total/NA	Water	SM 2540C	
280-204345-6	COMPLIANCE WELL	Total/NA	Water	SM 2540C	
280-204345-7	COMPLIANCE 03	Total/NA	Water	SM 2540C	
280-204345-8	CROSS WELL	Total/NA	Water	SM 2540C	
MB 280-688073/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 280-688073/2	Lab Control Sample	Total/NA	Water	SM 2540C	
280-204227-G-7 DU	Duplicate	Total/NA	Water	SM 2540C	

Analysis Batch: 688318

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method Prep Batch
280-204345-1	CARIBOU PORTAL	Total/NA	Water	SM 4500 SO4 E
280-204345-2	CARIBOU WELL	Total/NA	Water	SM 4500 SO4 E
280-204345-3	CARIBOU WELL 02	Total/NA	Water	SM 4500 SO4 E
280-204345-4	CROSS PORTAL	Total/NA	Water	SM 4500 SO4 E
280-204345-5	CROSS PORTAL 02	Total/NA	Water	SM 4500 SO4 E
280-204345-6	COMPLIANCE WELL	Total/NA	Water	SM 4500 SO4 E
280-204345-7	COMPLIANCE 03	Total/NA	Water	SM 4500 SO4 E
280-204345-8	CROSS WELL	Total/NA	Water	SM 4500 SO4 E
MB 280-688318/14	Method Blank	Total/NA	Water	SM 4500 SO4 E
LCS 280-688318/12	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E
LCSD 280-688318/13	Lab Control Sample Dup	Total/NA	Water	SM 4500 SO4 E
280-204345-1 MS	CARIBOU PORTAL	Total/NA	Water	SM 4500 SO4 E
280-204345-1 MSD	CARIBOU PORTAL	Total/NA	Water	SM 4500 SO4 E
280-204345-2 MS	CARIBOU WELL	Total/NA	Water	SM 4500 SO4 E
280-204345-2 MSD	CARIBOU WELL	Total/NA	Water	SM 4500 SO4 E

Rad

Prep Batch: 708337

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-204345-1	CARIBOU PORTAL	Dissolved	Water	Evaporation	
280-204345-2	CARIBOU WELL	Dissolved	Water	Evaporation	
280-204345-3	CARIBOU WELL 02	Dissolved	Water	Evaporation	
280-204345-4	CROSS PORTAL	Dissolved	Water	Evaporation	
280-204345-5	CROSS PORTAL 02	Dissolved	Water	Evaporation	
280-204345-6	COMPLIANCE WELL	Dissolved	Water	Evaporation	
280-204345-7	COMPLIANCE 03	Dissolved	Water	Evaporation	
280-204345-8	CROSS WELL	Dissolved	Water	Evaporation	

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

Rad (Continued)

280-204345-1 DU

CARIBOU PORTAL

Prep Batch: 708337 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 160-708337/1-A	Method Blank	Total/NA	Water	Evaporation	
LCS 160-708337/2-A	Lab Control Sample	Total/NA	Water	Evaporation	
LCSB 160-708337/3-A	Lab Control Sample	Total/NA	Water	Evaporation	
240-220200-C-29-B MS	Matrix Spike	Total/NA	Water	Evaporation	
240-220200-C-29-C MSBT	Matrix Spike	Total/NA	Water	Evaporation	
240-220200-C-29-D DU	Duplicate	Total/NA	Water	Evaporation	
Prep Batch: 708699					
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-204345-1	CARIBOU PORTAL	Dissolved	Water	Fill_Geo-0	
280-204345-2	CARIBOU WELL	Dissolved	Water	Fill_Geo-0	
280-204345-3	CARIBOU WELL 02	Dissolved	Water	Fill_Geo-0	
280-204345-4	CROSS PORTAL	Dissolved	Water	Fill_Geo-0	
280-204345-5	CROSS PORTAL 02	Dissolved	Water	Fill_Geo-0	
280-204345-6	COMPLIANCE WELL	Dissolved	Water	Fill_Geo-0	
280-204345-7	COMPLIANCE 03	Dissolved	Water	Fill_Geo-0	
280-204345-8	CROSS WELL	Dissolved	Water	Fill_Geo-0	
MB 160-708699/1-A	Method Blank	Total/NA	Water	Fill_Geo-0	
LCS 160-708699/2-A	Lab Control Sample	Total/NA	Water	Fill Geo-0	

Dissolved

Water

Fill_Geo-0

Job ID: 280-204345-1

Initial

Amount

50 mL

50 mL

50 mL

10 mL

100 mL

100 mL

2 mL

2 mL

200.02 mL

1000 mL

Final

Amount

50 mL

50 mL

50 mL

10 mL

100 mL

100 mL

2 mL

2 mL

1.0 g

1.0 q

Batch

Number

687687

688118

687687

687958

687687

687995

687602

687775

688073

687836

688318

708337

708515

708699

708645

Dil

1

1

1

1

1

1

1

1

1

1

Factor

Run

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

Batch

Type

Prep

Prep

Prep

Analysis

Prep

Prep

Prep Type

Dissolved

Dissolved

Dissolved

Dissolved

Dissolved

Dissolved

Total/NA

Total/NA

Total/NA

Total/NA

Total/NA

Dissolved

Dissolved

Dissolved

Dissolved

Client Sample ID: CARIBOU PORTAL Date Collected: 03/13/25 10:30 Date Received: 03/13/25 15:43

Batch

200.8

200.8

200.8

200.8

200.8

300.0

353.2

SM 2540C

SM 4500 CI- E

Evaporation

Fill Geo-0

900.0

901.1

SM 4500 SO4 E

Method

200.7 Rev 4.4

Lab EET DEN

EET SL

EET SL

EET SL

EET SL

Matrix: Water

Lab Sample ID: 280-204345-1 Matrix: Water

Analyst

AMH

ADI

Prepared

or Analyzed

03/14/25 15:13

03/18/25 07:07

03/14/25 15:13 AMH

03/17/25 11:05 LMT

03/14/25 15:13 AMH

03/17/25 12:32 LMT

03/14/25 05:13 IRC

03/14/25 10:54 BCR

03/18/25 09:05 BRD

03/14/25 15:39 AKF

03/19/25 11:35 AKF

03/18/25 08:02 MEH

03/19/25 20:14 FLC

03/20/25 13:30 SAC

03/20/25 17:57 MLS

Lab Sample ID: 280-204345-2

Lab Sample ID: 280-204345-3

Client Sample ID: CARIBOU WELL Date Collected: 03/13/25 11:00 Date Received: 03/13/25 15:43

Batch Batch Dil Initial Final Batch Prepared Method Number Prep Type Туре Run Factor Amount Amount or Analyzed Analyst Lab Dissolved 200.8 50 mL 50 mL 687687 03/14/25 15:13 AMH EET DEN Prep Dissolved Analysis 200.7 Rev 4.4 688118 03/18/25 07:11 1 EET DEN Dissolved Prep 200.8 50 mL 50 mL 687687 03/14/25 15:13 AMH EET DEN 200.8 EET DEN Dissolved Analysis 1 687958 03/17/25 11:07 LMT Dissolved 200.8 50 mL 50 mL 687687 03/14/25 15:13 AMH EET DEN Prep 200.8 Dissolved 687995 03/17/25 12:34 LMT EET DEN Analysis 1 Total/NA 300.0 1 10 mL 10 mL 687602 03/14/25 05:24 IRC EET DEN Analysis Total/NA 353.2 100 mL Analysis 1 100 mL 687775 03/14/25 10:58 BCR EET DEN Total/NA Analysis SM 2540C 1 100 mL 100 mL 688073 03/18/25 09:05 BRD EET DEN Total/NA SM 4500 CI- E Analysis 1 2 mL 2 mL 687836 03/14/25 15:40 AKF EET DEN Total/NA Analysis SM 4500 SO4 E 1 2 mL 2 mL 688318 03/19/25 11:55 AKF EET DEN Dissolved Prep Evaporation 200.03 mL 1.0 g 708337 03/18/25 08:02 MEH EET SL Dissolved Analysis 900.0 708515 03/19/25 20:14 FLC EET SL 1 Dissolved Prep Fill Geo-0 1000 mL 1.0 g 708699 03/20/25 13:30 SAC EET SL Dissolved 901.1 708642 03/20/25 17:56 MLS Analysis 1 EET SL

Client Sample ID: CARIBOU WELL 02 Date Collected: 03/13/25 11:00 Date Received: 03/13/25 15:43

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Dissolved	Prep	200.8			50 mL	50 mL	687687	03/14/25 15:13	AMH	EET DEN
Dissolved	Analysis	200.7 Rev 4.4		1			688118	03/18/25 07:15	ADL	EET DEN

Eurofins Denver

Matrix: Water

Dil

1

1

1

1

1

1

1

1

1

Factor

Run

Batch

Туре

Prep

Prep

Analysis

Analysis

Analysis

Analysis

Analysis

Analysis

Analysis

Analysis

Analysis

Prep

Prep

Prep Type

Dissolved

Dissolved

Dissolved

Dissolved

Total/NA

Total/NA

Total/NA

Total/NA

Total/NA

Dissolved

Dissolved

Dissolved

Dissolved

Client Sample ID: CARIBOU WELL 02 Date Collected: 03/13/25 11:00 Date Received: 03/13/25 15:43

Batch

200.8

200.8

200.8

200.8

300.0

353.2

SM 2540C

Evaporation

Fill Geo-0

900.0

901.1

SM 4500 CI- E

SM 4500 SO4 E

Method

Lab

EET DEN

EET SL

EET SL

EET SL

EET SL

Lab Sample ID: 280-204345-3 Matrix: Water

Analyst

AMH

Prepared

or Analyzed

03/14/25 15:13

03/17/25 11:09 LMT

03/14/25 15:13 AMH

03/17/25 12:36 LMT

03/14/25 05:35 IRC

03/14/25 10:59 BCR

03/18/25 09:05 BRD

03/14/25 15:40 AKF

03/19/25 11:56 AKF

03/18/25 08:02 MEH

03/19/25 20:15 FLC

03/20/25 13:30 SAC

03/20/25 17:57 MLS

Lab Sample ID: 280-204345-4

Lab Sample ID: 280-204345-5

Batch

Number

687687

687958

687687

687995

687602

687775

688073

687836

688318

708337

708515

708699

708640

Final

Amount

50 mL

50 mL

10 mL

100 mL

100 mL

2 mL

2 mL

1.0 g

1.0 mL

1.0 g

Client Sample ID: CROSS PORTAL Date Collected: 03/13/25 12:00 Date Received: 03/13/25 15:43

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Dissolved	Prep	200.8			50 mL	50 mL	687687	03/14/25 15:13	AMH	EET DEN
Dissolved	Analysis	200.7 Rev 4.4		1			688118	03/18/25 07:31	ADL	EET DEN
Dissolved	Prep	200.8			50 mL	50 mL	687687	03/14/25 15:13	AMH	EET DEN
Dissolved	Analysis	200.8		1			687958	03/17/25 11:12	LMT	EET DEN
Dissolved	Prep	200.8			50 mL	50 mL	687687	03/14/25 15:13	AMH	EET DEN
Dissolved	Analysis	200.8		1			687995	03/17/25 12:39	LMT	EET DEN
Total/NA	Analysis	300.0		1	10 mL	10 mL	687602	03/14/25 05:47	IRC	EET DEN
Total/NA	Analysis	353.2		1	100 mL	100 mL	687775	03/14/25 11:01	BCR	EET DEN
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	688073	03/18/25 09:05	BRD	EET DEN
Total/NA	Analysis	SM 4500 CI- E		1	2 mL	2 mL	687836	03/14/25 15:40	AKF	EET DEN
Total/NA	Analysis	SM 4500 SO4 E		1	2 mL	2 mL	688318	03/19/25 11:56	AKF	EET DEN
Dissolved	Prep	Evaporation			200.03 mL	1.0 g	708337	03/18/25 08:02	MEH	EET SL
Dissolved	Analysis	900.0		1	1.0 mL	1.0 mL	708685	03/20/25 18:34	FLC	EET SL
Dissolved	Prep	Fill_Geo-0			1000 mL	1.0 g	708699	03/20/25 13:30	SAC	EET SL
Dissolved	Analysis	901.1		1			708643	03/20/25 17:58	MLS	EET SL

Client Sample ID: CROSS PORTAL 02 Date Collected: 03/13/25 12:00 Date Received: 03/13/25 15:43

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Dissolved	Prep	200.8			50 mL	50 mL	687687	03/14/25 15:13	AMH	EET DEN
Dissolved	Analysis	200.7 Rev 4.4		1			688118	03/18/25 07:34	ADL	EET DEN
Dissolved	Prep	200.8			50 mL	50 mL	687687	03/14/25 15:13	AMH	EET DEN
Dissolved	Analysis	200.8		1			687958	03/17/25 11:14	LMT	EET DEN

Page 34 of 44

Eurofins Denver

Matrix: Water

Initial

Amount

50 mL

50 mL

10 mL

100 mL

100 mL

2 mL

2 mL

200.03 mL

1.0 mL

1000 mL

solved Prep Fill_Geo-0 solved Analysis 901.1

3/26/2025

Matrix: Water

Dil

1

1

1

1

1

1

1

1

Factor

Run

Batch

Туре

Prep

Analysis

Analysis

Analysis

Analysis

Analysis

Analysis

Analysis

Analysis

Prep

Prep

Prep Type

Dissolved

Dissolved

Total/NA

Total/NA

Total/NA

Total/NA

Total/NA

Dissolved

Dissolved

Dissolved

Dissolved

Client Sample ID: CROSS PORTAL 02 Date Collected: 03/13/25 12:00 Date Received: 03/13/25 15:43

Batch

200.8

200.8

300.0

353.2

SM 2540C

SM 4500 CI- E

Evaporation

Fill Geo-0

900.0

901.1

SM 4500 SO4 E

Method

Lab

EET DEN

EET SL

EET SL

EET SL

EET SL

Matrix: Water

Lab Sample ID: 280-204345-5 Matrix: Water

Analyst

Prepared

or Analyzed

03/14/25 15:13 AMH

03/17/25 12:41 LMT

03/14/25 05:58 IRC

03/14/25 11:02 BCR

03/18/25 09:05 BRD

03/14/25 15:40 AKF

03/19/25 11:56 AKF

03/18/25 08:02 MEH

03/20/25 18:34 FLC

03/20/25 13:30 SAC

03/20/25 19:13 MLS

Lab Sample ID: 280-204345-6

Lab Sample ID: 280-204345-7

Batch

Number

687687

687995

687602

687775

688073

687836

688318

708337

708685

708699

708644

Final

Amount

50 mL

10 mL

100 mL

100 mL

2 mL

2 mL

1.0 g

1.0 mL

1.0 g

5 11

Client Sample ID: COMPLIANCE WELL Date Collected: 03/13/25 12:30

Date Received: 03/13/25 15:43

Γ	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Dissolved	Prep	200.8			50 mL	50 mL	687687	03/14/25 15:13	AMH	EET DEN
Dissolved	Analysis	200.7 Rev 4.4		1			688118	03/18/25 07:38	ADL	EET DEN
Dissolved	Prep	200.8			50 mL	50 mL	687687	03/14/25 15:13	AMH	EET DEN
Dissolved	Analysis	200.8		1			687958	03/17/25 11:17	LMT	EET DEN
Dissolved	Prep	200.8			50 mL	50 mL	687687	03/14/25 15:13	AMH	EET DEN
Dissolved	Analysis	200.8		1			687995	03/17/25 12:43	LMT	EET DEN
Total/NA	Analysis	300.0		1	10 mL	10 mL	687602	03/14/25 06:09	IRC	EET DEN
Total/NA	Analysis	353.2		1	100 mL	100 mL	687775	03/14/25 11:03	BCR	EET DEN
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	688073	03/18/25 09:05	BRD	EET DEN
Total/NA	Analysis	SM 4500 CI- E		1	2 mL	2 mL	687836	03/14/25 15:41	AKF	EET DEN
Total/NA	Analysis	SM 4500 SO4 E		1	2 mL	2 mL	688318	03/19/25 11:57	AKF	EET DEN
Dissolved	Prep	Evaporation			200.02 mL	1.0 g	708337	03/18/25 08:02	MEH	EET SL
Dissolved	Analysis	900.0		1	1.0 mL	1.0 mL	708685	03/20/25 18:34	FLC	EET SL
Dissolved	Prep	Fill_Geo-0			1000 mL	1.0 g	708699	03/20/25 13:30	SAC	EET SL
Dissolved	Analysis	901.1		1			708645	03/20/25 19:13	MLS	EET SL

Client Sample ID: COMPLIANCE 03 Date Collected: 03/13/25 12:30 Date Received: 03/13/25 15:43

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Dissolved	Prep	200.8			50 mL	50 mL	687687	03/14/25 15:13	AMH	EET DEN
Dissolved	Analysis	200.7 Rev 4.4		1			688118	03/18/25 07:42	ADL	EET DEN
Dissolved	Prep	200.8			50 mL	50 mL	687687	03/14/25 15:13	AMH	EET DEN
Dissolved	Analysis	200.8		1			687958	03/17/25 11:19	LMT	EET DEN
Dissolved	Prep	200.8			50 mL	50 mL	687687	03/14/25 15:13	AMH	EET DEN
Dissolved	Analysis	200.8		1			687995	03/17/25 12:46	LMT	EET DEN

Eurofins Denver

Matrix: Water

Initial

Amount

50 mL

10 mL

100 mL

100 mL

2 mL

2 mL

200.03 mL

1.0 mL

1000 mL

Page 35 of 44

Initial

Amount

10 mL

100 mL

100 mL

2 mL

2 mL

200.02 mL

1.0 mL

1000 mL

Batch

Number

687602

687775

688073

687836

688318

708337

708685

708699

708642

Final

Amount

10 mL

100 mL

100 mL

2 mL

2 mL

1.0 q

1.0 mL

1.0 g

Dil

1

1

1

1

1

1

1

Factor

Run

Client Sample ID: COMPLIANCE 03 Date Collected: 03/13/25 12:30 Date Received: 03/13/25 15:43

Batch

Туре

Analysis

Analysis

Analysis

Analysis

Analysis

Analysis

Analysis

Prep

Prep

Prep Type

Total/NA

Total/NA

Total/NA

Total/NA

Total/NA

Dissolved

Dissolved

Dissolved

Dissolved

Batch

300.0

353.2

SM 2540C

SM 4500 CI- E

Evaporation

Fill Geo-0

900.0

901.1

SM 4500 SO4 E

Method

Lab

EET DEN

EET DEN

EET DEN

EET DEN

EET DEN

EET SL

EET SL

EET SL

Lab Sample ID: 280-204345-7 Matrix: Water

Analyst

Prepared

or Analyzed

03/14/25 06:20 IRC

03/14/25 11:04 BCR

03/18/25 09:05 BRD

03/14/25 15:39 AKF

03/19/25 11:57 AKF

03/18/25 08:02 MEH

03/20/25 18:34 FLC

03/20/25 13:30 SAC

11

03/20/25 19:12 MLS EET SL Lab Sample ID: 280-204345-8

Client Sample ID: CROSS WELL Date Collected: 03/13/25 13:00 Date Received: 03/13/25 15:43

Matrix: Water

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Dissolved	Prep	200.8			50 mL	50 mL	687687	03/14/25 15:13	AMH	EET DEN
Dissolved	Analysis	200.7 Rev 4.4		1			688118	03/18/25 07:46	ADL	EET DEN
Dissolved	Prep	200.8			50 mL	50 mL	687687	03/14/25 15:13	AMH	EET DEN
Dissolved	Analysis	200.8		1			687958	03/17/25 11:21	LMT	EET DEN
Dissolved	Prep	200.8			50 mL	50 mL	687687	03/14/25 15:13	AMH	EET DEN
Dissolved	Analysis	200.8		1			687995	03/17/25 12:48	LMT	EET DEN
Total/NA	Analysis	300.0		1	10 mL	10 mL	687602	03/14/25 06:32	IRC	EET DEN
Total/NA	Analysis	353.2		1	100 mL	100 mL	687775	03/14/25 11:06	BCR	EET DEN
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	688073	03/18/25 09:05	BRD	EET DEN
Total/NA	Analysis	SM 4500 CI- E		1	2 mL	2 mL	687836	03/14/25 15:41	AKF	EET DEN
Total/NA	Analysis	SM 4500 SO4 E		1	2 mL	2 mL	688318	03/19/25 11:57	AKF	EET DEN
Dissolved	Prep	Evaporation			200.02 mL	1.0 g	708337	03/18/25 08:02	MEH	EET SL
Dissolved	Analysis	900.0		1	1.0 mL	1.0 mL	708582	03/20/25 18:27	FLC	EET SL
Dissolved	Prep	Fill_Geo-0			1000 mL	1.0 g	708699	03/20/25 13:30	SAC	EET SL
Dissolved	Analysis	901.1		1			708640	03/20/25 19:12	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

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

12 13

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	19-047-0	04-21-25
California	State	2513	01-08-26
Colorado	Petroleum Storage Tank Program	2907.01 (A2LA)	10-31-26
Colorado	State	CO00026	06-30-25
Connecticut	State	PH-0686	09-30-26
Florida	NELAP	E87667	06-30-25
Georgia	State	4025	01-08-26
Illinois	NELAP	200017	05-31-25
Iowa	State	370	12-01-26
Kansas	NELAP	E-10166	04-30-25
Kentucky (WW)	State	KY98047	12-31-25
Louisiana	NELAP	30785	06-30-14 *
Louisiana (All)	NELAP	30785	06-30-25
Minnesota	NELAP	1788752	12-31-25
Nevada	State	CO00026	07-31-25
New Hampshire	NELAP	2053	04-28-25
New Jersey	NELAP	230001	06-30-25
New York	NELAP	59923	04-01-25
North Dakota	State	R-034	01-08-25 *
Oklahoma	NELAP	8614	08-31-25
Oregon	NELAP	4025	01-08-26
Pennsylvania	NELAP	013	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	06-14-25
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	10-31-26

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	05-06-25
ANAB	Dept. of Defense ELAP	L2305	04-06-25
ANAB	Dept. of Energy	L2305.01	04-06-25
ANAB	ISO/IEC 17025	L2305	04-08-25
Arizona	State	AZ0813	12-08-25
California	Los Angeles County Sanitation Districts	10259	06-30-22 *

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

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

Job ID: 280-204345-1

12 13

Laboratory: Eurofins St. Louis (Continued)

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

uthority	Program	Identification Number	Expiration Date
alifornia	State	2886	06-30-25
connecticut	State	PH-0241	03-31-25
lorida	NELAP	E87689	06-30-25
II - RadChem Recognition	State	n/a	06-30-25
linois	NELAP	200023	11-30-25
owa	State	373	12-01-26
ansas	NELAP	E-10236	10-31-25
entucky (DW)	State	KY90125	12-31-25
entucky (WW)	State	KY90125 (Permit KY0004049)	12-31-25
ouisiana (All)	NELAP	106151	06-30-25
ouisiana (DW)	State	LA011	12-31-25
aryland	State	310	09-30-25
assachusetts	State	M-MO054	06-30-25
- RadChem Recognition	State	9005	06-30-25
ssouri	State	780	06-30-25
vada	State	MO00054	07-31-25
w Jersey	NELAP	MO002	06-30-25
w Mexico	State	MO00054	06-30-25
ew York	NELAP	11616	03-31-25
orth Carolina (DW)	State	29700	07-31-25
orth Dakota	State	R-207	06-30-25
klahoma	NELAP	9997	08-31-25
egon	NELAP	4157	09-01-25
nnsylvania	NELAP	68-00540	02-28-26
outh Carolina	State	85002	06-30-25
xas	NELAP	T104704193	07-31-25
Fish & Wildlife	US Federal Programs	058448	07-31-25
DA	US Federal Programs	525-23-138-94730	05-18-26
ah	NELAP	MO00054	07-31-25
rginia	NELAP	460230	06-14-25
ashington	State	C592	08-30-25
est Virginia DEP	State	381	10-31-25

Eurofins lestAmerica, Denver 4955 Yarrow Street Arvada, CO 80002 Phone (303) 736-0100 Phone (303) 431-717	Chain of Custo	of Custody Record		🕉 eurofins Environment Testing
Client Information	Sampler: BM	Lab PM: Bieniulis, Dvlan T	Carrier Tracking No(s):	COC No:
Client Contact: Brooke Molson Moran	Phone: 303-506-1618		State of Origin:	Page:
Company: Grand Island Resources	PWSID:		quested	Job #:
Address: 12567 West Cedar Road Suite 250	Due Date Requested:			
City: Lakewood	TAT Requested (days):	bns ,9	280	A - HCL M - Hexane B - NaOH N - None C - Zn Acetate O - AsNaO2
State, Zip: CO, 80466	Compliance Project: 🛆 Yes 🛆 No	DinoldC	-2043	
Phone: 315-414-6986	PO #: Not required) - 3_1C	45 C	
Email: bmolsonm@g.emporia.edu	₩O#	(0) s (Groi 4500_(, Beta z		I - Ice J - Di Water
Project Name: Nederland, CO	Project #: 28025589	es or 1 I Metali s N Gros I I I I I I I I I I I I I I I I I I I		K - EDTA L - EDA
Site: Groundwater Sampling	SSOW#:	Paoloec - Sulfa litrite a ne end ne end ne end ne an no to no no to no to no to no to no to no to no to no to no to no to no to no to no to no to no to no to to to to to to to to to to to to to		of con
Sample Identification	Sample M Type (w Sample (C=comp, on Sample G=crah)	Reference to the second		Cotal Number
	Preserva			
CARIBOU PORTAL	3/13/25 10:30 6 1	XXXXX	- - -	300.0 Nitrate = 48 hour hold time
CARIBOU WELL				* Groundwater Dissolved Metals Permit List = 200.7 (Al. B. Fe) and 200.8 (Sb. As. Ba.
\odot	1 11:00 G 1			Cá, Cu, Pb, Mn, Mo, U, Zn)
	11 12:00 6	M X X X X X X X X X		FIELD-FILTERED
CROSS PORTAL02	D	N X X X X X X		FOR METALS &
5	Q	W X X X X X M		RADIONUCLIDES
4	12:30 6	W XXXXXX W		
CROSS WELL	" 13:00 G 1	W XXXXXX W		
ant	Poison B	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) Betrum To Client	assessed if samples are reta	stained longer than 1 month)
		C Requireme		-
Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:	
Relinquished by: BWDTOM	13:46	BATY Received by: HOLTO U	OCC Date/Time 3	13 25 13:46 Company R
Relinquished by:	3/25 15 e43 cm	J	- Date Tripe: A	5-1543 Company
	Date/Time: Company		Date/Time:	Compañy
Custody Seals Intact: Custody Seal No.: A Yes A No		Cooler Temperature(s) °C and Other Reparks.	OUS TRWASA	
		11 12 13 14	7 8 9 10	

Eurofins TestAmerica, Denver

Eurofins lestAmerica, Denver 4955 Yarrow Street Arvada, CO 80002 Phone (303) 736-0100 Phone (303) 431-717	Chain of Custo	of Custody Record		🕉 eurofins Environment Testing
Client Information	Sampler: BM	Lab PM: Bieniulis, Dvlan T	Carrier Tracking No(s):	COC No:
Client Contact: Brooke Molson Moran	Phone: 303-506-1618		State of Origin:	Page:
Company: Grand Island Resources	PWSID:		quested	Job #:
Address: 12567 West Cedar Road Suite 250	Due Date Requested:			
City: Lakewood	TAT Requested (days):	bns ,9	280	A - HCL M - Hexane B - NaOH N - None C - Zn Acetate O - AsNaO2
State, Zip: CO, 80466	Compliance Project: 🛆 Yes 🛆 No	DinoldC	-2043	
Phone: 315-414-6986	PO #: Not required) - 3_1C	45 C	
Email: bmolsonm@g.emporia.edu	₩O#	(070) s (9700_(0 (0 (0 (0 (0) (0 (0)) (0) (0) (0)) (0) (0)) (0_))(0)) (0_))(0)) (0_))(0))(0))(0))(0))(0))(0))(0))(0))(0)		I - Ice J - Di Water
Project Name: Nederland, CO	Project #: 28025589	es or 1 I Metali s N Gros I I I I I I I I I I I I I I I I I I I		K - EDTA L - EDA
Site: Groundwater Sampling	SSOW#:	Paoloec - Sulfa litrite a ne end ne end ne end ne an no to no no to no to no to no to no to no to no to no to no to no to no to no to no to no to no to no to to to to to to to to to to to to to		of con
Sample Identification	Sample M Type (w Sample (C=comp, on Sample G=crah)	Reference to the second		Cotal Number
	Preserva			
CARIBOU PORTAL	3/13/25 10:30 6 1	XXXXX	- - -	300.0 Nitrate = 48 hour hold time
CARIBOU WELL				* Groundwater Dissolved Metals Permit List = 200.7 (Al. B. Fe) and 200.8 (Sb. As. Ba.
\odot	1 11:00 G 1			Cá, Cu, Pb, Mn, Mo, U, Zn)
	11 12:00 6	M X X X X X X X X X		FIELD-FILTERED
CROSS PORTAL02	D	N X X X X X X		FOR METALS &
5	Q	W X X X X X M		RADIONUCLIDES
4	11°30 G	W XXXXXX W		
CROSS WELL	" 13:00 G 1	W XXXXXX W		
ant	Poison B	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) Betrum To Client	assessed if samples are reta	stained longer than 1 month)
		C Requireme		-
Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:	
Relinquished by: BWDTOM	13:46	BATY Received by: HOLTO U	OCC Date/Time 3	13 25 13:46 Company R
Relinquished by:	3/25 15 e43 cm	J	- Date Tripe: A	5-1543 Company
	Date/Time: Company		Date/Time:	Compañy
Custody Seals Intact: Custody Seal No.: A Yes A No		Cooler Temperature(s) °C and Other Reparks.	OUS TRIVASA	
		11 12 13 14	7 8 9 10	

Eurofins TestAmerica, Denver

Eurofins Denver 4955 Yarrow Street Arvada, CO 80002 Phone: 303-736-0100 Fax: 303-431-7171		Chain o	f Cust	ain of Custody Record	cord					💸 eurofins	S Environment Testing
Client Information (Sub Contract Lab)	Sampler: N/A			Lab PM: Bieniulis,	s, Dylan T	н		Carrier Tracking No(s) N/A	king No(s):	COC No: 280-737387.1	
1	Phone: N/A			E-Mail: Dylan.I	3ieniulis(Det.eur	E-Mail: Dylan.Bieniulis@et.eurofinsus.com	State of Origin: Colorado	jin:	Page: Page 1 of 1	
Company. TrestAmerica Laboratories, Inc.				¥ Z	creditation /A	s Require	Accreditations Required (See note): N/A			Job #: 280-204345-1	
Address: 13715 Rider Trail North, ,	Due Date Requested: 4/10/2025	:					Analysis	sis Requested		Preservation Codes:	odes:
City Earth City State, Zip MO. 63045	TAT Requested (days):	s): N/A			Λįuo <u>/</u>						
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	PO#: N/A			Ге		teil te					
	WO#: N/A			N 10 3	(on	d Targe				ទា	
Project Name: Nederland, CO - Groundwater	Project #: 28025589				10 S9	nebnet				ənistr	
Site: N/A	SSOW#: N/A				Y) ası	га аят.				of Cother: N/A	
Samula Idantification - Cliant ID /I ah ID)	Samnle Date	Sample Time	Sample Type (C=comp, G=orab)	Matrix defection (wewter, secold, convector), and defection convector), and defection	N/SM mons ² 901.1_Cs/FIELD	0000/בוברם בר				Total Number	Special Instructions/Note:
	X	X	- D		X						
CARIBOU PORTAL (280-204345-1)	3/13/25	10:30 Mountain	U	Water	×	×				2	
CARIBOU WELL (280-204345-2)	3/13/25	11:00 Mountain	σ	Water	×	×				5	
CARIBOU WELL 02 (280-204345-3)	3/13/25	11:00 Mountain	в	Water	×	×				2	
CROSS PORTAL (280-204345-4)	3/13/25	12:00 Mountain	B	Water	×	×				N	
CROSS PORTAL 02 (280-204345-5)	3/13/25	12:00 Mountain	υ	Water	×	×				8	
COMPLIANCE WELL (280-204345-6)	3/13/25	12:30 Mountain	U	Water	×	×				R	
COMPLIANCE 03 (280-204345-7)	3/13/25	12:30 Mountain	B	Water	×	×				N	
CROSS WELL (280-204345-8)	3/13/25	13:00 Mountain	σ	Water	×	×				N	
Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of maintain accreditation in the State of Origin listed above for analysis/testAmerica places the samp of TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Ch	t ca places the ownershi being analyzed, the sa date, return the signed	o of method, ar mples must be Chain of Cust	alyte & accredi shipped back t ody attesting to	tation complianc o the Eurofins T said compliance	a upon our sstAmerica to Eurofini	subcontr laborato s TestAm	act laboratories. ry or other instru erica.	This sample shipmen ctions will be provided.	t I I I I I I I I I I I I I I I I I I I	method, analyte & accreditation compliance upon our subcontact laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently the 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 in of Custody attesting to said compliance to Eurofins TestAmerica.	boratory does not currently e brought to Eurofins
Possible Hazard Identification					Samp	le Disp	osal (A fee i	nay be assessed	if samples ar	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)	1 1 month)
Unconfirmed Deliverable Registed: 1 11 11/ Other (specify)	Primary Deliverable Rank: 2	ble Rank: 2			Specia	Return I Instru	Special Instructions/QC Requirements:	duirements:	3y Lab	Archive For	Months
Emoty Kit Belinninghad hv:		Date:			Lime:				Method of Shipment:		
Reproductive NAUTIC	1126	11202	5	- AR		Received by:	Byrne	Pennet	Defe and	D MAR 1 7	20 Bupany
Relinquished by:	Date/Time:			Company	Re	Received by		Cheyenne Forrest	Date/Time		Company
Relinquished by:	Date/Time:			Company	Re	Received by:			Date/Time		Company
Custody Seals Intact: Custody Seal No.:	-		-		ů	oler Temj	perature(s) °C aı	Cooler Temperature(s) ^o C and Other Remarks:			
1											Ver: 10/10/2024

3/26/2025

Eurofins Denver 4955 Yarrow Street Arvada, CO 80002 Phone: 303-736-0100 Fax: 303-431-7171	Ö	Chain o	of Cust	ain of Custody Record	scord			949) 241 R. 2644		🔅 eurofins	Fins Environment Testing
t Lab)	Sampler: N/A			Lab PM: Bieniulis,	is, Dylan T		-	Carrier Tra N/A	Carrier Tracking No(s): N/A	COC No: 280-737387	87.1
	Phone: N/A			E-Mail: Dylan	Bieniulis	E-Mail: Dylan. Bieniulis@et.eurofinsus.com	ISUS.COM	State of Origin: Colorado	igin:	Page: Page 1 of	-
Company: Test/America Laboratories, Inc.					Accreditation N/A	Accreditations Required (See note): N/A	see note):			Job #: 280-204345-1	45-1
Address: 13715 Rider Trail North,	Due Date Requested: 4/10/2025	t:					Analysis	s Requested		Preservati -	Preservation Codes:
City: Earth City State. Zip: MO. 63045	TAT Requested (days):	/s): N/A			Λļuo <u>/</u>						
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	PO# N/A					isil is					
	WO#: N/A				(on	d Targe				ទរ	
Project Name: Nederland, CO - Groundwater	Project #: 28025589				95 OL	nebnet				ənistr	
Site: N/A	ssow#: N/A				Y) ası	іг аят.				of col	
. Mi de l'Anitication - Aliant III.	Samole Date	Sample Time	Sample Type (C=comp, G=orah)	Matrix (w=water, s=solid, O=wasteJoli, DTTecon, a=dir)	Field Filtered Perform MS/N 28/FIELC	0.006 ודוברם_דו				Total Number	Special Instructions/Note:
	X	X	- 01		X						
CARIBOU PORTAL (280-204345-1)	3/13/25	10:30 Mountain	υ	Water	×	×				2	
CARIBOU WELL (280-204345-2)	3/13/25	11:00 Mountain	υ	Water	×	×				2	
CARIBOU WELL 02 (280-204345-3)	3/13/25	11:00 Mountain	в	Water	×	×				2	
CROSS PORTAL (280-204345-4)	3/13/25	12:00 Mountain	ŋ	Water	×	×				2	
CROSS PORTAL 02 (280-204345-5)	3/13/25	12:00 Mountain	υ	Water	×	×				2	
COMPLIANCE WELL (280-204345-6)	3/13/25	12:30 Mountain	σ	Water	×	×				8	
COMPLIANCE 03 (280-204345-7)	3/13/25	12:30 Mountain	υ	Water	×	×				7	
CROSS WELL (280-204345-8)	3/13/25	13:00 Mountain	υ	Water	×	×				8	
Note: Since laboratory accreditations are subject to change. Eurofins TestAmerica places the ownership of maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samp TestAmerica attention immediately. If all requested accreditations are current to date, return the signed CF	t a places the ownershi being analyzed, the sc date, return the signec	o of method, ar mples must be Chain of Cust	I nalyte & accred s shipped back ody attesting to	litation complian to the Eurofins said complianc	ce upon our festAmerica e to Eurofins	L L subcontract l laboratory or TestAmeric	l l l aboratories. • other instruc a.	T I I I I I I I I I I I I I I I I I I I	t is forwarded un Any changes to	L L I I I I I I I I I I I I I I I I I I	rethod, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently lies 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 tain of Custody attesting to said compliance to Eurofins.
Possible Hazard Identification					Sampl	e Disposa	il (A fee n	ay be assessed	l if samples a	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)	than 1 month)
Unconfirmed Deliverable Requested: I, II, III, IV, Other (specify)	Primary Deliverable Rank: 2	able Rank: 2			Specia	<u>Return To Client</u> al Instructions/QC	Return To Client Dispecial Instructions/QC Requirements	Disposal By Lab uirements:	By Lab	Archive For	Months
Empty_Kit Relinquished by:		Date:			Time:			Met	Method of Shipment:		
Repetition Mark Dave ALZ	Partice / /	11202	2	AR.	Rec	Received by:	afrer	Pennet	0 08	D MAR 1	7 20PS ^{mpany}
Reinquished by:	Date/Time:			Company	Rec	Received by:	Cheyen	Cheyenne Forrest	Date/Time		Company
Relinquished by:	Date/Time:			Company	Rec	Received by:			Date/Time		Company
Custody Seals Intact: Custody Seal No.:					ð	der Tempera	ture(s) °C an	Cooler Temperature(s) ^o C and Other Remarks:			
1											Ver: 10/10/2024

Client: Grand Island Resources

Login Number: 204345 List Number: 1 Creator: Roehsner, Karen P

Question	Answer	Comment
Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>True</td> <td></td>	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.	False	See job narrative for details
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	

Job Number: 280-204345-1

List Source: Eurofins Denver

Client: Grand Island Resources

Login Number: 204345 List Number: 2 Creator: Forrest, Cheyenne L

Question	Answer	Comment
Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>True</td> <td></td>	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	

Job Number: 280-204345-1

List Source: Eurofins St. Louis

List Creation: 03/17/25 12:25 PM

APPENDIX B OUTFALL-001 ANALYTICAL RESULTS



Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Brooke Molson Moran Grand Island Resources 12567 West Cedar Road Suite 110 Lakewood, Colorado 80228 Generated 1/16/2025 3:16:17 PM

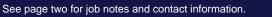
JOB DESCRIPTION

Nederland, CO

JOB NUMBER

280-201483-1

Eurofins Denver 4955 Yarrow Street Arvada CO 80002







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

- B-J

Generated 1/16/2025 3:16:17 PM 5

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

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Client Sample Results	10
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Qualifiers

General Chemistry

General Che	#Mistry							
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							

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

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 **Quality Control** QC

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: 280-201483-1

Eurofins Denver

Job Narrative 280-201483-1

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 1/6/2025 3:15 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 1.0°C.

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

Sample OUTFALL-001 (280-201483-1) was analyzed for Metals (ICP) - Total Recoverable. The sample was prepared on 1/7/2025 and analyzed on 1/8/2025.

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

Sample OUTFALL-001 (280-201483-1) was analyzed for Metals (ICP/MS) - Potentially Dissolved. The sample was prepared on 1/8/2025 and analyzed on 1/10/2025.

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

Sample OUTFALL-001 (280-201483-1) was analyzed for Metals (ICP/MS) - Total Recoverable. The sample was prepared on 1/7/2025 and analyzed on 1/8/2025.

Method 245.1 - Mercury (CVAA)

Sample OUTFALL-001 (280-201483-1) was analyzed for Mercury (CVAA). The sample was prepared and analyzed on 1/8/2025.

Method SM 2510B - Conductivity, Specific Conductance

Sample OUTFALL-001 (280-201483-1) was analyzed for Conductivity, Specific Conductance. The sample was analyzed on 1/7/2025.

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

Sample OUTFALL-001 (280-201483-1) was analyzed for Solids, Total Suspended (TSS). The sample was prepared on 1/7/2025 and analyzed on 1/7/2025 and 1/8/2025.

Method SM 3500 CR B - Chromium, Hexavalent - Dissolved

Sample OUTFALL-001 (280-201483-1) was analyzed for Chromium, Hexavalent - Dissolved. The sample was analyzed on 1/6/2025.

Method SM3500 CR B - Chromium, Trivalent - Potentially Dissolved

Eurofins Denver

Job ID: 280-201483-1 (Continued)

Sample OUTFALL-001 (280-201483-1) was analyzed for Chromium, Trivalent - Potentially Dissolved. The sample was prepared on 1/7/2025 and analyzed on 1/8/2025 and 1/16/2025.

Method SM3500 CR B - Chromium, Trivalent - Total Recoverable

Sample OUTFALL-001 (280-201483-1) was analyzed for Chromium, Trivalent - Total Recoverable. The sample was analyzed on 1/16/2025.

The laboratory's standard operation procedure for hexavalent chromium analysis by standard method (SM) 3500 CR B requires filtration of all aqueous samples to remove particulate interferences as the method does not have a mechanism or chemistry to digest any solids. As such all hexavalent chromium analyses by SM 3500 CR B are considered to produce a dissolved hexavalent chromium result as the method setup only is able to determine hexavalent chromium that is dissolved into the aqueous sample matrix. The trivalent chromium result reported here in a calculation from the total recoverable chromium result from method 200.8 and the dissolved hexavalent chromium result from SM 3500 CR B.

Method SM 4500 H+ B - pH

Sample OUTFALL-001 (280-201483-1) was analyzed for pH. The sample was analyzed on 1/9/2025.

Method SM 4500 S2 D - Sulfide, Total

Sample OUTFALL-001 (280-201483-1) was analyzed for Sulfide, Total. The sample was analyzed on 1/9/2025.

Method SM4500 S2 H - Unionized Hydrogen Sulfide

Sample OUTFALL-001 (280-201483-1) was analyzed for Unionized Hydrogen Sulfide. The sample was analyzed on 1/9/2025.

Client Sample ID: OUTFALL-001

Job ID: 280-201483-1

ole ID: 280-201483-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac D	Method	Ргер Туре
Zinc	21		10	5.0	ug/L	1	200.8	Total
								Recoverable
Zinc	22		10	5.0	ug/L	1	200.8	Potentially
								Dissolved
Specific Conductance	250		2.0	2.0	umhos/cm	1	SM 2510B	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
Field pH	8.0		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	250		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: 280-201483-1

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	рН	SM	EET DEN
M 4500 S2 D	Sulfide, Total	SM	EET DEN
M3500 CR B	Chromium, Trivalent	SM	EET DEN
M4500 S2 H	Unionized Hydrogen Sulfide	SM	EET DEN
00.7	Preparation, Total Recoverable Metals	EPA	EET DEN
00.8	Preparation, Total Recoverable Metals	EPA	EET DEN
45.1	Preparation, Mercury	EPA	EET DEN
ILTRATION	Sample Filtration	None	EET DEN
Poten Diss Met	Filtration for Potentially Dissolved Metals	EPA	EET DEN

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

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
280-201483-1	OUTFALL-001	Water	01/06/25 13:30	01/06/25 15:15

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

Client Sample ID: OUTFALL-001Lab Sample ID: 280-2014Date Collected: 01/06/25 13:30Matrix: WDate Received: 01/06/25 15:15Matrix: W										
	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Iron	ND		100	40	ug/L		01/07/25 10:11	01/08/25 22:28	1

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

Client Sample ID: OUTFAI Date Collected: 01/06/25 1 Date Received: 01/06/25 1	3:30					Lab Sam	ple ID: 280-20 Matrix)1483-1 : Water
Analyte	Result Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND	2.0	0.50	ug/L		01/07/25 10:11	01/08/25 11:36	1
Cadmium	ND	1.0	0.25	ug/L		01/07/25 10:11	01/08/25 11:36	1
Chromium	ND	3.0	1.0	ug/L		01/07/25 10:11	01/08/25 11:36	1
Copper	ND	2.0	1.0	ug/L		01/07/25 10:11	01/08/25 11:36	1
Lead	ND	1.0	0.50	ug/L		01/07/25 10:11	01/08/25 11:36	1
Zinc	21	10	5.0	ug/L		01/07/25 10:11	01/08/25 11:36	1

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

Client Sample ID: OUTFALL-001 Date Collected: 01/06/25 13:30

Date Received: 01/06/25 15:1	5							
Analyte	Result Qua	alifier RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND	2.0	0.50	ug/L		01/08/25 14:38	01/10/25 12:13	1
Cadmium	ND	1.0	0.25	ug/L		01/08/25 14:38	01/10/25 12:13	1
Chromium	ND	3.0	1.0	ug/L		01/08/25 14:38	01/10/25 12:13	1
Copper	ND	2.0	1.0	ug/L		01/08/25 14:38	01/10/25 12:13	1
Lead	ND	1.0	0.50	ug/L		01/08/25 14:38	01/10/25 12:13	1
Manganese	ND	3.0	1.5	ug/L		01/08/25 14:38	01/10/25 12:13	1
Nickel	ND	3.0	1.0	ug/L		01/08/25 14:38	01/10/25 12:13	1
Selenium	ND	2.0	0.50	ug/L		01/08/25 14:38	01/10/25 12:13	1
Silver	ND	0.50	0.25	ug/L		01/08/25 14:38	01/10/25 12:13	1
Zinc	22	10	5.0	ug/L		01/08/25 14:38	01/10/25 12:13	1

Method: EPA 245.1 - Mercury (CVAA)

Client Sample ID: OUTFALL-001 Date Collected: 01/06/25 13:30 Date Received: 01/06/25 15:15							Lab Sam	ple ID: 280-20 Matrix:	
Analyte		Qualifier			Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.060	ug/L		01/08/25 08:36	01/08/25 12:53	1

General Chemistry

Client Sample ID: OUTFALL-001 Date Collected: 01/06/25 13:30 Date Received: 01/06/25 15:15							Lab San	nple ID: 280-20 Matrix	
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (SM 2510B)	250		2.0	2.0	umhos/cm			01/07/25 14:50	1
Total Suspended Solids (SM 2540D)	ND		4.0	1.5	mg/L			01/07/25 09:35	1
pH adj. to 25 deg C (SM 4500 H+ B	8.0	HF	0.1	0.1	SU			01/09/25 13:06	1
Temperature (SM 4500 H+ B)	20.4	HF	1.0	1.0	Degrees C			01/09/25 13:06	1
Sulfide (SM 4500 S2 D)	ND		0.050	0.035	mg/L			01/09/25 15:07	1

Eurofins Denver

Lab Sample ID: 280-201483-1 Matrix: Water

Job ID: 280-201483-1

Client Sample ID: OUTFALL-001							Lab Sam	ple ID: 280-20)1483-1
Date Collected: 01/06/25 13:30								•	: Water
Date Received: 01/06/25 15:15									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Un-ionized Hydrogen Sulfide (SM4500 S2 H)	ND		1.0	1.0	mg/L			01/09/25 18:40	1
Field pH (SM4500 S2 H)	8.0		1.0	1.0	SU			01/09/25 18:40	1
Field Temperature (SM4500 S2 H)	20		1.0	1.0	Celsius			01/09/25 18:40	1
Specific Conductance (SM4500 S2 H)	250		2.0	2.0	umhos/cm			01/09/25 18:40	1
Sulfide (SM4500 S2 H)	ND		1.0	1.0	mg/L			01/09/25 18:40	1
General Chemistry - Total Re	covera	ble							
Client Sample ID: OUTFALL-001 Date Collected: 01/06/25 13:30 Date Received: 01/06/25 15:15							Lab Sam	ple ID: 280-20 Matrix)1483-1 : Water
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, trivalent (SM3500 CR B)	ND		3.0	3.0	ug/L		•	01/16/25 14:03	1
General Chemistry - Dissolve	ed								
Client Sample ID: OUTFALL-001							Lab Sam	ple ID: 280-20)1483-1
Date Collected: 01/06/25 13:30 Date Received: 01/06/25 15:15								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			01/06/25 16:09	1
General Chemistry - Potentia	Ily Dis	solved							
Client Sample ID: OUTFALL-001							Lab Sam	ple ID: 280-20)1483-1
Date Collected: 01/06/25 13:30								•	: Water
Date Received: 01/06/25 15:15									
Analyte	Pocult	Qualifier	RL	МП	Unit	D	Prepared	Analyzed	Dil Fac
Analyte	Result	Quanner			Unit		Fiepareu	Analyzeu	Diriac

(SM3500 CR B)

Job ID: 280-201483-1

9

Method: 200.7 Rev 4.4 - Metals (ICP)

Lab Sample ID: MB 280-68 Matrix: Water Analysis Batch: 680882	80587/1-A							С			ole ID: Mo e: Total F Prep Ba	Recov	erable
		MB MB											
Analyte	Re	sult Qualifier			MDL			<u>D</u>		repared	Analyz		Dil Fac
Iron		ND		100	40	ug/L		0	1/07	7/25 10:11	01/08/25	21:40	1
Lab Sample ID: LCS 280-6	80587/2-A						Clie	ent S	San	nple ID:	Lab Con	trol Sa	ample
Matrix: Water											e: Total F		
Analysis Batch: 680882			• •								Prep Ba		
			Spike		S LCS		1114		_	0/ D	%Rec		
Analyte			Added			litter	Unit		D	%Rec	Limits		
			10000	1080	0		ug/L			108	85 - 115		
Iron							0						
Liron Lab Sample ID: 280-20148	3-1 MS						0	С	lie	nt Samp	le ID: Ol	JTFAL	.L-001
_	3-1 MS						Ū	С			le ID: Ol e: Total F		
_ Lab Sample ID: 280-20148	3-1 MS						Ū	С				Recov	erable
_ Lab Sample ID: 280-20148 Matrix: Water	3-1 MS Sample	Sample	Spike	N	S MS		Ū	С			e: Total F	Recov	erable
_ Lab Sample ID: 280-20148 Matrix: Water	Sample	Sample Qualifier			S MS It Qua	llifier	Unit				e: Total F Prep Ba	Recov	erable
Lab Sample ID: 280-20148 Matrix: Water Analysis Batch: 680882	Sample	•	Spike		lt Qua	lifier	Unit ug/L		Ρ	rep Typ	e: Total F Prep Ba %Rec	Recov	erable
Lab Sample ID: 280-20148 Matrix: Water Analysis Batch: 680882 Analyte	Sample <u>Result</u> ND	•	Spike Added	Resu	lt Qua	lifier			Р <u>D</u>	*Rec	e: Total F Prep Ba %Rec Limits 75 - 125	Recove atch: 6	erable 80587
Lab Sample ID: 280-20148 Matrix: Water Analysis Batch: 680882 Analyte	Sample <u>Result</u> ND	•	Spike Added	Resu	lt Qua	lifier			P D lie	rep Type	e: Total F Prep Ba %Rec Limits 75 - 125	Recove itch: 6 	erable 80587
Lab Sample ID: 280-20148 Matrix: Water Analysis Batch: 680882 Analyte Iron Lab Sample ID: 280-20148 Matrix: Water	Sample <u>Result</u> ND	•	Spike Added	Resu	lt Qua	lifier			P D lie	rep Type	e: Total F Prep Ba %Rec Limits 75 - 125 ole ID: Ol e: Total F	Recove itch: 6 JTFAL Recove	erable 80587 L-001 erable
Lab Sample ID: 280-20148 Matrix: Water Analysis Batch: 680882 Analyte Iron Lab Sample ID: 280-20148	Sample <u>Result</u> ND	Qualifier	Spike Added	Res i 1070	lt Qua				P D lie	rep Type	e: Total F Prep Ba %Rec Limits 75 - 125	Recove itch: 6 JTFAL Recove	erable 80587 L-001 erable
Lab Sample ID: 280-20148 Matrix: Water Analysis Batch: 680882 Analyte Iron Lab Sample ID: 280-20148 Matrix: Water	Sample Result ND 3-1 MSD Sample	Qualifier	Spike Added 10000	Resu 107($\frac{\mathbf{It}}{0}$ Qua)		 C	P D lie	rep Type	e: Total F Prep Ba %Rec Limits 75 - 125 ole ID: Ol e: Total F Prep Ba	Recove itch: 6 JTFAL Recove	L-001 erable 80587

Method: 200.8 - Metals (ICP/MS)

Lab Sample ID: MB 280-680587/1-A Matrix: Water Analysis Batch: 680788

Analysis Batch: 680788								Prep Batch:	
	MB	МВ							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		2.0	0.50	ug/L		01/07/25 10:11	01/08/25 11:27	1
Cadmium	ND		1.0	0.25	ug/L		01/07/25 10:11	01/08/25 11:27	1
Chromium	ND		3.0	1.0	ug/L		01/07/25 10:11	01/08/25 11:27	1
Copper	ND		2.0	1.0	ug/L		01/07/25 10:11	01/08/25 11:27	1
Lead	ND		1.0	0.50	ug/L		01/07/25 10:11	01/08/25 11:27	1
Zinc	ND		10	5.0	ug/L		01/07/25 10:11	01/08/25 11:27	1

Lab Sample ID: LCS 280-680587/14-A Matrix: Water Analysis Batch: 680788

Client Sample ID: Lab Control Sample Prep Type: Total Recoverable Prep Batch: 680587

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Analysis Batch. 000700	Spike	LCS	LCS				%Rec	507
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Arsenic	40.0	38.3		ug/L		96	89 - 111	
Cadmium	40.0	39.4		ug/L		99	89 - 111	
Chromium	40.0	38.9		ug/L		97	86 - 115	
Copper	40.0	38.9		ug/L		97	90 - 115	
Lead	40.0	39.8		ug/L		99	88 - 115	
Zinc	40.0	38.7		ug/L		97	88 - 115	

Job ID: 280-201483-1

Client Sample ID: OUTFALL-001

Client Sample ID: OUTFALL-001

Client Sample ID: Method Blank

Prep Type: Potentially Dissolved

Prep Batch: 680602

Prep Type: Total Recoverable

Prep Type: Total Recoverable

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

Lab Sample ID: 280-201483-1 MS Matrix: Water

Analysis Batch: 680788									Prep Batch: 680587
	Sample	Sample	Spike	MS	MS				%Rec
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits
Arsenic	ND		40.0	39.3		ug/L		98	79 - 120
Cadmium	ND		40.0	40.6		ug/L		101	89 - 111
Chromium	ND		40.0	38.9		ug/L		97	86 - 115
Copper	ND		40.0	40.0		ug/L		100	90 - 115
Lead	ND		40.0	41.2		ug/L		103	88 - 115
Zinc	21		40.0	58.2		ug/L		92	88 - 115

Lab Sample ID: 280-201483-1 MSD Matrix: Water Analysis Batch: 680788

Analysis Batch: 680788									Prep Ba	atch: 68	30587
-	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Arsenic	ND		40.0	39.0		ug/L		98	79 - 120	1	20
Cadmium	ND		40.0	39.1		ug/L		98	89 - 111	4	20
Chromium	ND		40.0	39.2		ug/L		98	86 - 115	1	20
Copper	ND		40.0	38.9		ug/L		97	90 - 115	3	20
Lead	ND		40.0	40.3		ug/L		101	88 - 115	2	20
Zinc	21		40.0	60.7		ug/L		98	88 - 115	4	20

Lab Sample ID: MB 280-680316/1-B **Matrix: Water** Analysis Batch: 681035

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		2.0	0.50	ug/L		01/08/25 14:38	01/10/25 11:38	1
Cadmium	ND		1.0	0.25	ug/L		01/08/25 14:38	01/10/25 11:38	1
Chromium	ND		3.0	1.0	ug/L		01/08/25 14:38	01/10/25 11:38	1
Copper	ND		2.0	1.0	ug/L		01/08/25 14:38	01/10/25 11:38	1
Lead	ND		1.0	0.50	ug/L		01/08/25 14:38	01/10/25 11:38	1
Manganese	ND		3.0	1.5	ug/L		01/08/25 14:38	01/10/25 11:38	1
Nickel	ND		3.0	1.0	ug/L		01/08/25 14:38	01/10/25 11:38	1
Selenium	ND		2.0	0.50	ug/L		01/08/25 14:38	01/10/25 11:38	1
Silver	ND		0.50	0.25	ug/L		01/08/25 14:38	01/10/25 11:38	1
Zinc	ND		10	5.0	ug/L		01/08/25 14:38	01/10/25 11:38	1

Lab Sample ID: LCS 280-680315/2-C **Matrix: Water** Analysis Batch: 681035

Client Sample ID: Lab Control Sample Prep Type: Potentially Dissolved Prep Batch: 680602

-	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Arsenic	40.0	40.3		ug/L		101	89 - 111	
Cadmium	40.0	41.2		ug/L		103	89 - 111	
Chromium	40.0	39.4		ug/L		98	86 - 115	
Copper	40.0	39.4		ug/L		98	90 - 115	
Lead	40.0	38.8		ug/L		97	88 - 115	
Manganese	40.0	39.0		ug/L		97	87 - 115	
Nickel	40.0	39.5		ug/L		99	86 - 115	
Selenium	40.0	40.9		ug/L		102	85 - 114	
Silver	40.0	37.8		ug/L		95	90 - 114	

		QC	Sam	ple	Resi	ults								
Client: Grand Island Resources Project/Site: Nederland, CO												Job ID: 28	30-20	1483-1
Nethod: 200.8 - Metals (ICP/M	S) (Co	ontinue	d)											
Lab Sample ID: LCS 280-680315/2-0	С							C				Lab Con		
Matrix: Water									F	Prep	Type: I	Potentially		
Analysis Batch: 681035												Prep Ba	tch:	680602
Amelada			Spike		-	LCS		1114			0/ D	%Rec		
Analyte Zinc			Added 40.0		40.5	Qualif	rier	Unit ug/L		<u>D</u>	%Rec 101 -	Limits 88 - 115		
			40.0		40.5			uy/L			101	00-115		
Nethod: 245.1 - Mercury (CVA	A)													
Lab Sample ID: MB 280-680655/1-A										Clier	nt Sam	ple ID: Me	ethoc	Blank
Matrix: Water												Prep Typ		
Analysis Batch: 680839												Prep Ba		
		MB												
Analyte		Qualifier		RL		MDL U			D		epared	Analyz		Dil Fac
Mercury	ND			0.20	C).060 u	ıg/L			01/08	/25 08:36	6 01/08/25 1	12:22	1
Lab Sample ID: LCS 280-680655/2-/	A							C	ient	Sam	ple ID:	Lab Con	trol S	Sample
Matrix: Water												Prep Typ		
Analysis Batch: 680839												Prep Ba		
			Spike		-	LCS						%Rec		
Analyte			Added			Qualif	fier	Unit		D	%Rec	Limits		
			5.00		4.89			ug/L			98	85 - 115		
Aethod: SM 2510B - Conductiv Lab Sample ID: MB 280-680683/4	vity, S	Specific	Conc	lucta	ance					Clier	nt Sam	ple ID: Me		
Mercury Method: SM 2510B - Conductiv Lab Sample ID: MB 280-680683/4 Matrix: Water Analysis Batch: 680683		-	Conc	lucta	ance					Clier	nt Sam	ple ID: Me Prep Typ		
Method: SM 2510B - Conductiv Lab Sample ID: MB 280-680683/4 Matrix: Water Analysis Batch: 680683	МВ	мв	Conc									Ргер Тур	oe: To	otal/NA
Method: SM 2510B - Conductiv Lab Sample ID: MB 280-680683/4 Matrix: Water Analysis Batch: 680683 Analyte	MB Result	-	Conc	RL		MDL U		s/cm	D		nt Sam	Prep Typ	oe: To ed	Dil Fac
Method: SM 2510B - Conductiv Lab Sample ID: MB 280-680683/4 Matrix: Water Analysis Batch: 680683	МВ	мв	Conc			MDL U 2.0 u		s/cm				Ргер Тур	oe: To ed	otal/NA
Method: SM 2510B - Conductiv Lab Sample ID: MB 280-680683/4 Matrix: Water Analysis Batch: 680683 Analyte	MB Result	мв	Conc	RL					<u>D</u>	Pre	epared	Prep Typ	ed 14:50	Dil Fac
Aethod: SM 2510B - Conductiv Lab Sample ID: MB 280-680683/4 Matrix: Water Analysis Batch: 680683 Analyte Specific Conductance Lab Sample ID: LCS 280-680683/3 Matrix: Water	MB Result	мв	Conc	RL					<u>D</u>	Pre	epared	Prep Typ Analyz 01/07/25 1	ed 14:50	Dil Fac 1 Sample
Aethod: SM 2510B - Conductiv Lab Sample ID: MB 280-680683/4 Matrix: Water Analysis Batch: 680683 Analyte Specific Conductance Lab Sample ID: LCS 280-680683/3	MB Result	мв		RL		2.0 u			<u>D</u>	Pre	epared	Analyza 01/07/25 1 Lab Con Prep Typ	ed 14:50	Dil Fac 1 Sample
Aethod: SM 2510B - Conductiv Lab Sample ID: MB 280-680683/4 Matrix: Water Analysis Batch: 680683 Analyte Specific Conductance Lab Sample ID: LCS 280-680683/3 Matrix: Water Analysis Batch: 680683	MB Result	мв	Spike	RL	LCS	2.0 u	imho	C	<u>D</u>	Pre Sam	epared	Analyza 01/07/25 1 Lab Com Prep Typ %Rec	ed 14:50	Dil Fac 1 Sample
Aethod: SM 2510B - Conductiv Lab Sample ID: MB 280-680683/4 Matrix: Water Analysis Batch: 680683 Analyte Specific Conductance Lab Sample ID: LCS 280-680683/3 Matrix: Water Analysis Batch: 680683 Analyte	MB Result	мв	Spike	RL	LCS Result	2.0 u	imho	Cl	<u>D</u> lient	Pre Sam	epared ple ID: %Rec	Analyza 01/07/25 1 Lab Com Prep Typ %Rec Limits	ed 14:50	Dil Fac 1 Sample
Aethod: SM 2510B - Conductive Lab Sample ID: MB 280-680683/4 Matrix: Water Analysis Batch: 680683 Analyte Specific Conductance Lab Sample ID: LCS 280-680683/3 Matrix: Water Analysis Batch: 680683 Matrix: Water Analysis Batch: 680683 Matrix: Water Analysis Batch: 680683 Analysis Conductance Specific Conductance	MB Result ND	MB Qualifier	Spike Added 1410	RL 2.0	LCS	2.0 u	imho	C	<u>D</u> lient	Pre Sam	epared	Analyza 01/07/25 1 Lab Com Prep Typ %Rec	ed 14:50	Dil Fac 1 Sample
Aethod: SM 2510B - Conductiv Lab Sample ID: MB 280-680683/4 Matrix: Water Analysis Batch: 680683 Analyte Specific Conductance Lab Sample ID: LCS 280-680683/3 Matrix: Water Analysis Batch: 680683 Analyte	MB Result ND	MB Qualifier	Spike Added 1410	RL 2.0	LCS Result	2.0 u	imho	Cl	<u>D</u> lient	Pre Sam	epared ple ID: %Rec	Analyza 01/07/25 1 Lab Com Prep Typ %Rec Limits	ed 14:50	Dil Fac 1 Sample
Aethod: SM 2510B - Conductive Lab Sample ID: MB 280-680683/4 Matrix: Water Analysis Batch: 680683 Analyte Specific Conductance Lab Sample ID: LCS 280-680683/3 Matrix: Water Analysis Batch: 680683 Matrix: Water Analysis Batch: 680683 Matrix: Water Analysis Batch: 680683 Analysis Conductance Specific Conductance	MB Result ND	MB Qualifier	Spike Added 1410	RL 2.0	LCS Result	2.0 u	imho	Cl	_ <u>D</u> lient	Pre Sam	opared ople ID: %Rec 100	Analyza 01/07/25 1 Lab Com Prep Typ %Rec Limits	ed 14:50 trol S be: To	Dil Fac 1 Sample Dtal/NA
Aethod: SM 2510B - Conductiv Lab Sample ID: MB 280-680683/4 Matrix: Water Analysis Batch: 680683 Analyte Specific Conductance Lab Sample ID: LCS 280-680683/3 Matrix: Water Analysis Batch: 680683 Analyte Specific Conductance Method: SM 2540D - Solids, To Lab Sample ID: MB 280-680635/1 Matrix: Water	MB Result ND	MB Qualifier	Spike Added 1410	RL 2.0	LCS Result	2.0 u	imho	Cl	_ <u>D</u> lient	Pre Sam	opared ople ID: %Rec 100	Analyz 01/07/25 1 Lab Com Prep Typ %Rec Limits 90 - 110	ed 14:50 trol S be: To	Dil Fac 1 Sample Dtal/NA
Aethod: SM 2510B - Conductiv Lab Sample ID: MB 280-680683/4 Matrix: Water Analysis Batch: 680683 Analyte Specific Conductance Lab Sample ID: LCS 280-680683/3 Matrix: Water Analysis Batch: 680683 Analyte Specific Conductance Method: SM 2540D - Solids, To Lab Sample ID: MB 280-680635/1	MB Result ND	MB Qualifier uspend	Spike Added 1410	RL 2.0	LCS Result	2.0 u	imho	Cl	_ <u>D</u> lient	Pre Sam	opared ople ID: %Rec 100	Prep Typ Analyz 01/07/25 1 Lab Com Prep Typ %Rec Limits 90 - 110	ed 14:50 trol S be: To	Dil Fac 1 Sample Dtal/NA
Aethod: SM 2510B - Conductiv Lab Sample ID: MB 280-680683/4 Matrix: Water Analysis Batch: 680683 Analyte Specific Conductance Lab Sample ID: LCS 280-680683/3 Matrix: Water Analysis Batch: 680683 Analyte Specific Conductance Method: SM 2540D - Solids, To Lab Sample ID: MB 280-680635/1 Matrix: Water	MB Result ND	MB Qualifier	Spike Added 1410	RL 2.0	LCS Result 1420	2.0 u	imho	Cl	_ <u>D</u> lient	Pre Sam	opared ople ID: %Rec 100	Prep Typ Analyz 01/07/25 1 Lab Com Prep Typ %Rec Limits 90 - 110	ed 14:50 trol S be: To ethoc	Dil Fac 1 Sample Dtal/NA
Aethod: SM 2510B - Conductiv Lab Sample ID: MB 280-680683/4 Matrix: Water Analysis Batch: 680683 Analyte Specific Conductance Lab Sample ID: LCS 280-680683/3 Matrix: Water Analysis Batch: 680683 Analyte Specific Conductance Method: SM 2540D - Solids, To Lab Sample ID: MB 280-680635/1 Matrix: Water Analysis Batch: 680635	MB Result ND	MB Qualifier uspend	Spike Added 1410	RL 2.0	LCS Result 1420	2.0 u	imho fier Jnit	Cl	_ D lient	Pre Sam	wpared ple ID: %Rec 100 nt Sam	Prep Typ Analyze 01/07/25 1 Lab Com Prep Typ %Rec Limits 90 - 110	ed ed 14:50 trol S be: To ethoc be: To ed	Dil Fac 1 Sample Dtal/NA
Aethod: SM 2510B - Conductive Lab Sample ID: MB 280-680683/4 Matrix: Water Analysis Batch: 680683 Analyte Specific Conductance Lab Sample ID: LCS 280-680683/3 Matrix: Water Analysis Batch: 680683 Analysis Batch: 680683 Analysis Batch: 680683 Analyte Specific Conductance Method: SM 2540D - Solids, Tc Lab Sample ID: MB 280-680635/1 Matrix: Water Analysis Batch: 680635 Analysis Batch: 680635 Analysis Batch: 680635 Lab Sample ID: MB 280-680635/1 Matrix: Water Analysis Batch: 680635 Analysis Batch: 680635 Analysis Batch: 680635	MB Result ND	MB Qualifier uspend	Spike Added 1410	RL 2.0	LCS Result 1420	2.0 u LCS Qualif	imho fier Jnit	C Unit umhos	_ D iient s/cm	Pre Sam D	epared ple ID: %Rec 100 nt Sam	Prep Typ <u>Analyze</u> 01/07/25 1 Lab Com Prep Typ %Rec Limits 90 - 110 ple ID: Me Prep Typ <u>Analyze</u> 01/07/25 0 Lab Com	ethoc ed ed ethoc pe: To ethoc pe: To ethoc	Dil Fac 1 Sample Dtal/NA Blank Dil Fac 1 Sample
Aethod: SM 2510B - Conductive Lab Sample ID: MB 280-680683/4 Matrix: Water Analysis Batch: 680683 Analyte Specific Conductance Lab Sample ID: LCS 280-680683/3 Matrix: Water Analysis Batch: 680683 Analyte Specific Conductance Analyte Specific Conductance Method: SM 2540D - Solids, To Lab Sample ID: MB 280-680635/1 Matrix: Water Analysis Batch: 680635 Analysis Batch: 680635 Analysis Batch: 680635 Lab Sample ID: MB 280-680635/2 Matrix: Water Analysis Batch: 680635 Analyte Total Suspended Solids Lab Sample ID: LCS 280-680635/2 Matrix: Water	MB Result ND	MB Qualifier uspend	Spike Added 1410	RL 2.0	LCS Result 1420	2.0 u LCS Qualif	imho fier Jnit	C Unit umhos	_ D iient s/cm	Pre Sam D	epared ple ID: %Rec 100 nt Sam	Prep Typ Analyze 01/07/25 1 Lab Com Prep Typ %Rec Limits 90 - 110 Ple ID: Me Prep Typ Analyze 01/07/25 0	ethoc ed ed ethoc pe: To ethoc pe: To ethoc	Dil Fac 1 Sample Dtal/NA Blank Dil Fac 1 Sample
Aethod: SM 2510B - Conductive Lab Sample ID: MB 280-680683/4 Matrix: Water Analysis Batch: 680683 Analyte Specific Conductance Lab Sample ID: LCS 280-680683/3 Matrix: Water Analysis Batch: 680683 Analysis Batch: 680683 Analysis Batch: 680683 Analyte Specific Conductance Method: SM 2540D - Solids, Tc Lab Sample ID: MB 280-680635/1 Matrix: Water Analysis Batch: 680635 Analysis Batch: 680635 Analysis Batch: 680635 Lab Sample ID: MB 280-680635/1 Matrix: Water Analysis Batch: 680635 Analysis Batch: 680635 Analysis Batch: 680635	MB Result ND	MB Qualifier uspend	Spike Added 1410 ed (TS	RL 2.0	LCS Result 1420	2.0 u LCS Qualif	imho fier Jnit	C Unit umhos	_ D iient s/cm	Pre Sam D	epared ple ID: %Rec 100 nt Sam	Analyze 01/07/25 1 Lab Com Prep Typ %Rec Limits 90 - 110 ple ID: Me Prep Typ	ethoc ed ed ethoc pe: To ethoc pe: To ethoc	Dil Fac 1 Sample Dtal/NA Blank Dil Fac 1 Sample
Aethod: SM 2510B - Conductive Lab Sample ID: MB 280-680683/4 Matrix: Water Analysis Batch: 680683 Analyte Specific Conductance Lab Sample ID: LCS 280-680683/3 Matrix: Water Analysis Batch: 680683 Analyte Specific Conductance Analyte Specific Conductance Method: SM 2540D - Solids, To Lab Sample ID: MB 280-680635/1 Matrix: Water Analysis Batch: 680635 Analysis Batch: 680635 Analysis Batch: 680635 Lab Sample ID: MB 280-680635/2 Matrix: Water Analysis Batch: 680635 Analyte Total Suspended Solids Lab Sample ID: LCS 280-680635/2 Matrix: Water	MB Result ND	MB Qualifier uspend	Spike Added 1410	RL 2.0	LCS Result 1420	2.0 u LCS Qualif	imho fier Jnit ng/L	C Unit umhos	_ D iient s/cm	Pre Sam D Clier Pre Sam	epared ple ID: %Rec 100 nt Sam	Prep Typ <u>Analyze</u> 01/07/25 1 Lab Com Prep Typ %Rec Limits 90 - 110 ple ID: Me Prep Typ <u>Analyze</u> 01/07/25 0 Lab Com	ethoc ed ed ethoc pe: To ethoc pe: To ethoc	Dil Fac 1 Sample Dtal/NA Blank Dil Fac 1 Sample

Job ID: 280-201483-1

Method: SM 3500 CR B - Chromium, Hexavalent

Lab Sample ID: MB 280-680 Matrix: Water	001913-A						CIR	an odi	nple ID: Me Prep Type		
Analysis Batch: 680585									гтер туре	. DISS	orveu
Analysis Datch. 000000		МВ МВ									
Analyte	Re	sult Qualifier		RL	MDL Unit	D	Р	repared	Analyzo	he	Dil Fac
Chromium, hexavalent		ND Guuiner		20	5.0 ug/L		· _ ·	repured	01/06/25 1		1
Lab Sample ID: LCS 280-68	0570/1 A					Clion	t Sa	mplo IF): Lab Con	trol S	amplo
Matrix: Water	007 <i>5/1-</i> A					Chen			Prep Type		
Analysis Batch: 680585			• •								
Amelia			Spike	-	LCS	11 14			%Rec		
Analyte			Added		Qualifier	Unit	D	%Rec	Limits		
Chromium, hexavalent			100	115		ug/L		115	85 - 115		
Lab Sample ID: LCSD 280-	680579/2-A				C	lient Sa	nple	ID: La	b Control S		
Matrix: Water									Prep Type	: Diss	olved
Analysis Batch: 680585											
			Spike	-	LCSD		_	~-	%Rec		RPD
Analyte			Added		Qualifier	Unit	<u>D</u>	%Rec	Limits	RPD	Limit
Chromium, hexavalent			100	103		ug/L		103	85 - 115	11	20
Lab Sample ID: 280-201483	8-1 MS						Clie	ent San	nple ID: OL	ITFAL	L-001
Matrix: Water									Prep Type	: Diss	olvec
Analysis Batch: 680585											
	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Chromium, hexavalent	ND		100	106		ug/L		106	85 - 115		
Lab Sample ID: 280-201483	B-1 MSD						Clie	ent San	nple ID: OU	ITFAL	L-001
Matrix: Water									Prep Type		
Analysis Batch: 680585											
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chromium, hexavalent	ND		100	104		ug/L		104	85 - 115	2	20
Lab Sample ID: 280-201483	8-1 DU						Clie	ent San	nple ID: OU	ITFAL	L-001
Matrix: Water									Prep Type		
Analysis Batch: 680585											
-	Sample	Sample		DU	DU						RPD
Analyte	Result	Qualifier		Result	Qualifier	Unit	D			RPD	Limit
Chromium, hexavalent	ND			ND		ug/L				NC	20
Nethod: SM 4500 H+ B	- pH										
Lab Sample ID: LCS 280-68	80927/4					Clien	t Sa	mole IF): Lab Con	trol S	ample
Matrix: Water	0321/4					Cilei	Ja		Prep Typ		
Analysis Databy 600027									i ich i àb	3. 10	

Prep	Type:	Total/NA

Analysis Batch: 680927								
	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
pH adj. to 25 deg C	7.00	7.0		SU		100	99 - 101	

Job ID: 280-201483-1

Method: SM 4500 S2 D - Sulfide, Total

Lab Sample ID: MB 280-680938/11 Matrix: Water Analysis Batch: 680938									CI	ient Sa	mple ID: N Prep Ty		
-	MB	MB											
Analyte	Result	Qualifier		RL	I	MDL	Unit		D	Prepared	l Analy	/zed	Dil Fac
Sulfide	ND			0.050	0	.035	mg/L				01/09/28	5 15:03	1
Lab Sample ID: LCS 280-680938/9 Matrix: Water								Cli	ent Sa	ample I	D: Lab Co Prep Ty		
Analysis Batch: 680938													
· ···· · · · · · · · · · · · · · · · ·			Spike		LCS	LCS					%Rec		
Analyte			Added		Result	Qua	lifier	Unit		D %Rec	Limits		
Sulfide			0.501		0.499			mg/L		99	81 - 122		
Lab Sample ID: LCSD 280-680938/ [,]	10						C	lient S	ampl	e ID: La	b Control	Sampl	e Dup
Matrix: Water											Prep Ty	ype: To	tal/NA
Analysis Batch: 680938													
			Spike		LCSD	LCS	D				%Rec		RPD
Analyte			Added		Result	Qua	lifier	Unit	0) %Rec	Limits	RPD	Limit
Sulfide			0.501		0.515			mg/L		103	81 - 122	3	10

Metals

Filtration Batch: 680315

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
LCS 280-680315/2-C	Lab Control Sample	Potentially Dissolvec	Water	Poten_Diss_Met	
iltration Batch: 680	316				
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 280-680316/1-B	Method Blank	Potentially Dissolvec	Water	Filtration	
iltration Batch: 680	582				
-		Bron Tuno	Motrix	Method	Bron Botol
Lab Sample ID 280-201483-1	Client Sample ID OUTFALL-001	Prep Type Potentially Dissolvec	Matrix Water	Poten Diss Met	Prep Batch
Prep Batch: 680587		· · · · · · · · · · · · · · · · · · ·			
	Olicet Comula ID	Drew Trues	Matuis	Mathaal	Dueu Detel
Lab Sample ID 280-201483-1	Client Sample ID OUTFALL-001	Total Recoverable	Matrix Water	<u>Method</u> 200.7	Prep Batc
280-201483-1	OUTFALL-001	Total Recoverable	Water	200.8	
MB 280-680587/1-A	Method Blank	Total Recoverable	Water	200.8	
LCS 280-680587/14-A	Lab Control Sample	Total Recoverable	Water	200.7	
LCS 280-680587/14-A	Lab Control Sample	Total Recoverable	Water	200.7	
280-201483-1 MS	OUTFALL-001	Total Recoverable	Water	200.7	
280-201483-1 MS	OUTFALL-001	Total Recoverable	Water	200.7	
280-201483-1 MSD	OUTFALL-001	Total Recoverable	Water	200.8	
280-201483-1 MSD 280-201483-1 MSD	OUTFALL-001	Total Recoverable	Water	200.7	
	OUTFALL-001	Total Recoverable	Water	200.0	
rep Batch: 680602					
Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batc
280-201483-1	OUTFALL-001	Potentially Dissolvec		200.8	68058
MB 280-680316/1-B	Method Blank	Potentially Dissolvec		200.8	68031
LCS 280-680315/2-C	Lab Control Sample	Potentially Dissolvec	Water	200.8	68031
Prep Batch: 680655					
Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batc
280-201483-1	OUTFALL-001	Total/NA	Water	245.1	
MB 280-680655/1-A	Method Blank	Total/NA	Water	245.1	
LCS 280-680655/2-A	Lab Control Sample	Total/NA	Water	245.1	
Analysis Batch: 6807	788				
Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batc
280-201483-1	OUTFALL-001	Total Recoverable	Water	200.8	68058
MB 280-680587/1-A	Method Blank	Total Recoverable	Water	200.8	68058
LCS 280-680587/14-A	Lab Control Sample	Total Recoverable	Water	200.8	68058
280-201483-1 MS	OUTFALL-001	Total Recoverable	Water	200.8	68058
280-201483-1 MSD	OUTFALL-001	Total Recoverable	Water	200.8	68058
Analysis Batch: 6808	339				
Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batc
280-201483-1	OUTFALL-001	Total/NA	Water	245.1	68065
MB 280-680655/1-A	Method Blank	Total/NA	Water	245.1	68065
LCS 280-680655/2-A	Lab Control Sample	Total/NA	Water	245.1	68065
Analysis Batch: 6808	382				
Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batcl
280-201483-1	OUTFALL-001	Total Recoverable	Water	200.7 Rev 4.4	680587

Metals (Continued)

Analysis Batch: 680882 (Continued)

Lab Sample ID MB 280-680587/1-A LCS 280-680587/2-A 280-201483-1 MS	Client Sample ID Method Blank Lab Control Sample OUTFALL-001	Prep Type Total Recoverable Total Recoverable Total Recoverable Total Recoverable	Matrix Water Water Water	Method 200.7 Rev 4.4 200.7 Rev 4.4 200.7 Rev 4.4 200.7 Rev 4.4	Prep Batch 680587 680587 680587
280-201483-1 MSD Analysis Batch: 6810	OUTFALL-001	Total Recoverable	Water	200.7 Rev 4.4	680587
Lab Sample ID 280-201483-1	Client Sample ID OUTFALL-001	Prep Type Potentially Dissolvec	Matrix Water	Method 200.8	Prep Batch 680602
MB 280-680316/1-B	Method Blank	Potentially Dissolvec	Water	200.8	680602
LCS 280-680315/2-C	Lab Control Sample	Potentially Dissolvec	Water	200.8	680602

General Chemistry

Filtration Batch: 680579

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-201483-1	OUTFALL-001	Dissolved	Water	FILTRATION	
MB 280-680579/3-A	Method Blank	Dissolved	Water	FILTRATION	
LCS 280-680579/1-A	Lab Control Sample	Dissolved	Water	FILTRATION	
LCSD 280-680579/2-A	Lab Control Sample Dup	Dissolved	Water	FILTRATION	
280-201483-1 MS	OUTFALL-001	Dissolved	Water	FILTRATION	
280-201483-1 MSD	OUTFALL-001	Dissolved	Water	FILTRATION	
280-201483-1 DU	OUTFALL-001	Dissolved	Water	FILTRATION	

Analysis Batch: 680585

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-201483-1	OUTFALL-001	Dissolved	Water	SM 3500 CR B	680579
MB 280-680579/3-A	Method Blank	Dissolved	Water	SM 3500 CR B	680579
LCS 280-680579/1-A	Lab Control Sample	Dissolved	Water	SM 3500 CR B	680579
LCSD 280-680579/2-A	Lab Control Sample Dup	Dissolved	Water	SM 3500 CR B	680579
280-201483-1 MS	OUTFALL-001	Dissolved	Water	SM 3500 CR B	680579
280-201483-1 MSD	OUTFALL-001	Dissolved	Water	SM 3500 CR B	680579
280-201483-1 DU	OUTFALL-001	Dissolved	Water	SM 3500 CR B	680579

Analysis Batch: 680635

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-201483-1	OUTFALL-001	Total/NA	Water	SM 2540D	
MB 280-680635/1	Method Blank	Total/NA	Water	SM 2540D	
LCS 280-680635/2	Lab Control Sample	Total/NA	Water	SM 2540D	

Analysis Batch: 680683

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-201483-1	OUTFALL-001	Total/NA	Water	SM 2510B	
MB 280-680683/4	Method Blank	Total/NA	Water	SM 2510B	
LCS 280-680683/3	Lab Control Sample	Total/NA	Water	SM 2510B	

Analysis Batch: 680927

Lab Sample ID	Client Sample ID	Prep Туре	Matrix	Method	Prep Batch
280-201483-1	OUTFALL-001	Total/NA	Water	SM 4500 H+ B	
LCS 280-680927/4	Lab Control Sample	Total/NA	Water	SM 4500 H+ B	

Eurofins Denver

Job ID: 280-201483-1

QC Association Summary

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

General Chemistry

Analysis Batch: 680938

Lab Sample ID 280-201483-1	Client Sample ID	Prep Type	Matrix Water	Method SM 4500 S2 D	Prep Batch
MB 280-680938/11	Method Blank	Total/NA	Water	SM 4500 S2 D	
LCS 280-680938/9	Lab Control Sample	Total/NA	Water	SM 4500 S2 D	
LCSD 280-680938/10	Lab Control Sample Dup	Total/NA	Water	SM 4500 S2 D	
Lab Sample ID 280-201483-1	Client Sample ID OUTFALL-001	Prep Type Total/NA	Matrix Water	Method SM4500 S2 H	Prep Batch
•	• •				Prep Batch
Analysis Batch: 6816	355				
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-201483-1	OUTFALL-001	Potentially Dissolvec	Water	SM3500 CR B	
280-201483-1	OUTFALL-001	Total Recoverable	Water	SM3500 CR B	

Client Sample ID: OUTFALL-001 Date Collected: 01/06/25 13:30 Date Received: 01/06/25 15:15

Lab Sample ID: 280-201483-1

Matrix: Water

11 12 13

-	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total Recoverable	Prep	200.7			50 mL	50 mL	680587	01/07/25 10:11	SMK	EET DEN
Total Recoverable	Analysis	200.7 Rev 4.4		1			680882	01/08/25 22:28	NKC	EET DEN
Potentially Dissolvec	Filtration	Poten_Diss_Met			100 mL	100 mL	680582	01/06/25 15:57	AMH	EET DEN
Potentially Dissolvec	Prep	200.8			50 mL	50 mL	680602	01/08/25 14:38	SMK	EET DEN
Potentially Dissolvec	Analysis	200.8		1			681035	01/10/25 12:13	LMT	EET DEN
Total Recoverable	Prep	200.8			50 mL	50 mL	680587	01/07/25 10:11	SMK	EET DEN
Total Recoverable	Analysis	200.8		1			680788	01/08/25 11:36	LMT	EET DEN
Total/NA	Prep	245.1			30 mL	50 mL	680655	01/08/25 08:36	AES	EET DEN
Total/NA	Analysis	245.1		1			680839	01/08/25 12:53	AES	EET DEN
Total/NA	Analysis	SM 2510B		1			680683	01/07/25 14:50	EL	EET DEN
Total/NA	Analysis	SM 2540D		1	250 mL	250 mL	680635	01/07/25 09:35	BRD	EET DEN
Dissolved	Filtration	FILTRATION			1.0 mL	1.0 mL	680579	01/06/25 15:33	ABW	EET DEN
Dissolved	Analysis	SM 3500 CR B		1	2 mL	2 mL	680585	01/06/25 16:09	ABW	EET DEN
Total/NA	Analysis	SM 4500 H+ B		1			680927	01/09/25 13:06	EL	EET DEN
Total/NA	Analysis	SM 4500 S2 D		1	2 mL	2 mL	680938	01/09/25 15:07	ABW	EET DEN
Potentially Dissolvec	Analysis	SM3500 CR B		1			681655	01/16/25 14:03	RMS	EET DEN
Total Recoverable	Analysis	SM3500 CR B		1			681655	01/16/25 14:03	RMS	EET DEN
Total/NA	Analysis	SM4500 S2 H		1			680963	01/09/25 18:40	P1B	EET DEN

Laboratory References:

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

Accreditation/Certification Summary

Job ID: 280-201483-1

12 13 14

Laboratory: Eurofins Denver

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

uthority	Progr	am	Identification Number	Expiration Date
regon	NELA	P	4025	01-08-26
0,	s are included in this repo does not offer certification		not certified by the governing authori	ty. This list may include analytes
Analysis Method	Prep Method	Matrix	Analyte	
SM 4500 H+ B		Water	Temperature	
SM3500 CR B		Water	Chromium, trivalent	
SM3500 CR B		Water	Chromium, trivalent (diss	olved)
SM4500 S2 H		Water	Field pH	
SM4500 S2 H		Water	Field Temperature	
SM4500 S2 H		Water	Specific Conductance	
SM4500 S2 H		Water	Sulfide	
		Water	Un-ionized Hydrogen Sul	

Eurofins TestAmerica, Denver 4955 Yarrew Street Arvada, CO 80002 Phone (303) 736-0100 Phone (303) 431-7171	O	Chain o	of Custody Record	ody Re	ecord						🖏 eurofins	ίαs Inteliari str≨ λm i
Client Information	Sampler K	USU I	Cop	C Lab PM: Bieniulis.	∕t: Jis. Dvlan	Ŀ		Cerrie	Carrier Tracking No(s)	.(1	GOG Ne	
Clean Contact. John Rinko	Phone: 7 20	7004	the b	Dylan	.Bieniulis@	E-Mailt Dylan.Bieniulis@et.eurofinsus.com	us.com	State o	State of Origin:		Page:	
Company Grand Island Resources			PWSID.				Analvsis	Requested	ed		Jeb#.	
Address 12567 West Cedar Drive Suite 110	Due Date Requested:				-		put				Preservation Codes A - HGI	
Chy. Lakewood	TAT Requested (days);	s);			÷.		s (ЯЭТ.				B - NaOH 6 - Zh Acelate	N - Nene 0 - AsNa@2
Siale, Zip, C.O., 802.28	Compliance Project:	≙ Yes ≙	No		1		JIFI, 8A	31-41	slejeli		D - Nitrie Acid E - NaHSO4	
Phone (303) 601-9230	₩04				(0)		(calc) (calc)	,:3), 0	W aldist		F = MeCH G - Amehler H - Ascorbio Acid	
Emait johnrinko@yahoo.com	₩0₩						avalen nt Cr	1-1-98	6COA6			
Project Name. Nederland, CQ	Project #: 28022821						x9H b 9lsvinT bns 9l		A, listo 1		E K - EDTA	W = pH 4-5 Z = either (speeify)
Site. First half of the month event	SSOW#						bylossi bevlossi		- 1 SP		G Other:	
		Şample	Sample Type (C≡cemp,	Matrix (w=water, s=sedict, O=waste/old,	ild Filtered fils//i	N CK 8 - 10	4200 25 D		1,8-,Potentia mitilist) 2 1,8,005 1, 7,1 2 1,8,005 1, 7,1 2 1,1 2		ទេជាអរវិវី 🗟	
Sample Identification	Sample Date	Time	G=grab) BT=Tissue, A=Air Bracentation Pade:	-		Hid	08 20 04 98 38		0 50 be			Special Instructions/Note:
			Wanagald	apan ua	X.		N CE				*First half of the	e month potentially dissolved
	010625	13:30	5	3	21	Ż					C metals permit lis	metals permit list = 200.8 (As, Gd, Gr, Gu,
	-										PD, MR, NI, 26,	Ag, ≰n)
											"First half of the metals permit li Cd, Cr, Cu, Pb,	*First half of the month total recoverable metals permit list = 200.7 (Fe), 200.8 (As, Gd, Ct, Cu, Pb, Zn), and 245.1 (H9)
		2 					All Annual Annua					
											Temp = 4	() ₆
											PH≡ Hq	0
											Observed viși	Observed visible sheen or floating oil?
					58≣	280-201483 (Chain of C	Custody			Yes (No) (eircle one)	rcle gne)
											* If eil sheen ob sampling for Oil	* If oil sheen observed in discharge, sampling for Oil&Grease required.
Possible Hazard Identification Non-Hazard Elammable Skin Irritant Pois	Poison B 🗍 Unknown		Radiological		Sample	le Dispoșal (A l Return To Client	A fee maj ent	Dispo	Sample Disposal (A fee may be assessed if samples Return To Client Disposal By Lab		are retained longer than 1 month) Archive For Mon	an 1 month) Months
					Special	Special Instructions/QC Requirements:	/QC Requi	rements:				
Empty Kit Relinquished by:		Date:		-	Time:			1	Method of Shipment:	ment:		
Relinguished by	Date/Time		0	Company	Recei	Received by	7		Dat	Date/Time		Gempany
Reingushed by	Date/Time.		0	Company	Recei	Received by.	Jar		Dat	Date/Time: 7-6-25	1515	Serie Const
		53	3: 150 m	mpany A	UR Recei	Received by:			Dat	Date/Time:		Gompany
Custody Seals Intact: Custody Seal No.: A Yes A No	- -				Coole	Cooler Temperature(s) *C and Other Remarks:	(s) ^e C and Ot	her Remarks:	0.5	3°CPABUCF	SUCF J.2	
					14	12 13	11	10	8	7	4 5 6	Ver: 01/16/2019

Client: Grand Island Resources

Login Number: 201483 List Number: 1 Creator: Held, Wesley

Question	Answer	Comment
Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>True</td> <td></td>	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	

Job Number: 280-201483-1

List Source: Eurofins Denver



Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Brooke Molson Moran Grand Island Resources 12567 West Cedar Road Suite 110 Lakewood, Colorado 80228 Generated 2/7/2025 6:34:16 AM

JOB DESCRIPTION

Nederland, CO

JOB NUMBER

280-202333-1

Eurofins Denver 4955 Yarrow Street Arvada CO 80002







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

ichelle A. Jo.

Generated 2/7/2025 6:34:16 AM

Authorized for release by Michelle Johnston, Project Manager II <u>Michelle.Johnston@et.eurofinsus.com</u> Designee for Dylan Bieniulis, Project Manager I <u>Dylan.Bieniulis@et.eurofinsus.com</u> (303)736-0138

Eurofins Denver is a laboratory within TestAmerica Laboratories, Inc., a company within Eurofins Environment Testing Group of Companies Page 2 of 17

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Definitions/Glossary

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

Glossary		3
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	4
%R	Percent Recovery	
CFL	Contains Free Liquid	5
CFU	Colony Forming Unit	5
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)	8
EDL	Estimated Detection Limit (Dioxin)	
LOD	Limit of Detection (DoD/DOE)	9
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	13
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)	

TEQ Toxicity Equivalent Quotie TNTC Too Numerous To Count

Job ID: 280-202333-1

Eurofins Denver

Job Narrative 280-202333-1

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 1/28/2025 4:20 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 2.8°C.

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

Sample OUTFALL-001 (280-202333-1) was analyzed for Metals (ICP/MS) - Potentially Dissolved. The sample was prepared on 1/31/2025 and 2/5/2025 and analyzed on 2/3/2025 and 2/6/2025.

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

Sample OUTFALL-001 (280-202333-1) was analyzed for Metals (ICP/MS) - Total Recoverable. The sample was prepared on 1/31/2025 and analyzed on 2/3/2025.

Detection Summary

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

Job ID: 280-202333-1

5

Client Sample ID: C	JUTFALL-001				Lab Sam	ple ID: 2	280-202333-1
Analyte	Result Qualifier	RL	MDL	Unit	Dil Fac D	Method	Prep Type
Zinc	29	10	5.0	ug/L	1	200.8	Potentially Dissolved

Method Summary

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

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

Lab Sample ID Client Sample ID Matrix Collected Received					
	Lab Sample ID	Client Sample ID	Matrix	Collected	Received
280-202333-1 OUTFALL-001 Water 01/28/25 13:30 01/28/25 16:2	280-202333-1	OUTFALL-001	Water	01/28/25 13:30	01/28/25 16:20

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

Client Sample ID: OUTFALL-0 Date Collected: 01/28/25 13:30 Date Received: 01/28/25 16:20)					Lab Samı	ple ID: 280-20 Matrix:	2333-1 Water
Analyte	Result Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	ND	2.0	1.0	ug/L		01/31/25 14:46	02/03/25 16:45	1
Lead	ND	1.0	0.50	ug/L		01/31/25 14:46	02/03/25 16:45	1

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

Client Sample ID: OUTFALL-001 Date Collected: 01/28/25 13:30 Date Received: 01/28/25 16:20							Lab Sam	ple ID: 280-20 Matrix:	2333-1 : Water
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	ND		1.0	0.25	ug/L		01/31/25 18:31	02/03/25 18:03	1
Copper	ND		2.0	1.0	ug/L		01/31/25 18:31	02/03/25 18:03	1
Lead	ND		1.0	0.50	ug/L		01/31/25 18:31	02/03/25 18:03	1
Silver	ND		0.50	0.25	ug/L		01/31/25 18:31	02/03/25 18:03	1
Zinc	29		10	5.0	ug/L		02/05/25 14:31	02/06/25 09:59	1

5

RL

2.0

1.0

Spike

Added

40.0

40.0

MDL Unit

1.0 ug/L

0.50 ug/L

LCS LCS

36.7

37.6

Result Qualifier

D

Unit

ug/L

ug/L

Prepared

D %Rec

92

94

MB MB

ND

ND

Result Qualifier

Analysis Batch: 683518

Analysis Batch: 683518

Matrix: Water

Matrix: Water

Matrix: Water

Analyte

Copper

Analyte

Copper

Lead

Lead

Method: 200.8 - Metals (ICP/MS)

Lab Sample ID: MB 280-683010/1-A

Lab Sample ID: LCS 280-683010/2-A

Lab Sample ID: 280-202333-1 MS

Job	ID:	280	-2023	33-1

Prep Batch: 683010

Prep Batch: 683010

Client Sample ID: Method Blank

01/31/25 14:46 02/03/25 16:41

01/31/25 14:46 02/03/25 16:41

Client Sample ID: Lab Control Sample

%Rec

Limits

90 - 115

88 - 115

Prep Type: Total Recoverable

Analyzed

Prep Type: Total Recoverable

Dil Fac

1

1

Client Sample ID: OUTFALL-001
Prep Type: Total Recoverable
Drop Detaby 692040

Client Sample ID: Method Blank

Prep Type: Potentially Dissolved

Client Sample ID: Lab Control Sample

Prep Type: Potentially Dissolved

Prep Batch: 683330

Analysis Batch: 683518	Sample	Sample	Spike	MS	MS				Prep Batch: 683010 %Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Copper	ND		40.0	37.0		ug/L		92	90 - 115	
Lead	ND		40.0	37.5		ug/L		94	88 - 115	

Lab Sample ID: 280-202333-1 MSD							Clie	Client Sample ID: OUTFALL-001					
Matrix: Water						F	Prep Ty	pe: Total	Recove	erable			
	Analysis Batch: 683518									Prep Ba	atch: 68	83010	
		Sample	Sample	Spike	MSD	MSD				%Rec		RPD	
	Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
	Copper	ND		40.0	37.1		ug/L		93	90 - 115	0	20	
	Lead	ND		40.0	38.5		ua/l		96	88 - 115	3	20	

Lab Sample ID: MB 280-683054/1-B Matrix: Water Analysis Batch: 683519

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	ND		1.0	0.25	ug/L		01/31/25 18:31	02/03/25 17:52	1
Copper	ND		2.0	1.0	ug/L		01/31/25 18:31	02/03/25 17:52	1
Lead	ND		1.0	0.50	ug/L		01/31/25 18:31	02/03/25 17:52	1
Silver	ND		0.50	0.25	ug/L		01/31/25 18:31	02/03/25 17:52	1

Lab Sample ID: LCS 280-683054/12-B Matrix: Water Analysis Batch: 683519

Analysis Batch: 683519							Prep Batch: 68	3330
	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Cadmium	40.0	40.4		ug/L		101	89 - 111	
Copper	40.0	37.3		ug/L		93	90 - 115	
Lead	40.0	39.1		ug/L		98	88 - 115	
Silver	40.0	37.7		ug/L		94	90 - 114	

QC Sample Results

Job ID: 280-202333-1

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

Lab Sample ID: MB 280-683 Matrix: Water Analysis Batch: 683875	613/1-В мв	МВ								le ID: Method otentially Dis Prep Batch:	solved
Analyte	Result	Qualifier		RL	MD	L Unit	D	P	repared	Analyzed	Dil Fac
Zinc	ND		_	10	5.	0 ug/L		02/0	5/25 14:31	02/06/25 09:48	1
Lab Sample ID: LCS 280-68 Matrix: Water Analysis Batch: 683875	3613/20-B						Clier			Lab Control S otentially Dis Prep Batch:	solved
-			Spike	I	LCS LO	s				%Rec	
Analyte			Added	Re	sult Q	ualifier	Unit	D	%Rec	Limits	
Zinc			40.0	;	39.4		ug/L		98	88 - 115	

Client Sample ID

OUTFALL-001

Method Blank

OUTFALL-001

OUTFALL-001

Method Blank

OUTFALL-001

OUTFALL-001

Method Blank

OUTFALL-001

Method Blank

OUTFALL-001

OUTFALL-001

OUTFALL-001

Method Blank

Method Blank

OUTFALL-001

Metals

Prep Batch: 683010

Lab Sample ID

MB 280-683010/1-A

LCS 280-683010/2-A

280-202333-1 MS

Lab Sample ID

Lab Sample ID

Lab Sample ID

Lab Sample ID

MB 280-683010/1-A

LCS 280-683010/2-A

280-202333-1 MS

Lab Sample ID

Lab Sample ID

Lab Sample ID

280-202333-1

MB 280-683613/1-B

LCS 280-683613/20-B

MB 280-683054/1-B

LCS 280-683054/12-B

Filtration Batch: 683613

Filtration Batch: 683615

280-202333-1

280-202333-1 MSD

Analysis Batch: 683519

280-202333-1

280-202333-1

280-202333-1

MB 280-683054/1-B

LCS 280-683054/12-B

Prep Batch: 683330

MB 280-683054/1-B

LCS 280-683054/12-B

Analysis Batch: 683518

280-202333-1 MSD

Filtration Batch: 683054

Filtration Batch: 683223

280-202333-1

QC Association Summary

Prep Type

Total Recoverable

Total Recoverable

Matrix

Water

Water

Job ID: 280-202333-1

Method

200.8

200.8

Prep Batch

10

Total Recoverable Lab Control Sample Water 200.8 Total Recoverable Water 200.8 Total Recoverable Water 200.8 **Client Sample ID** Prep Type Matrix Method Prep Batch Potentially Dissolvec Water Filtration Lab Control Sample Potentially Dissolvec Water Filtration **Client Sample ID** Matrix Method Prep Batch Prep Type Potentially Dissolvec Poten Diss Met Water **Client Sample ID** Prep Type Matrix Method Prep Batch Potentially Dissolvec 200.8 683223 Water Potentially Dissolvec Water 683054 200.8 Potentially Dissolvec Water Lab Control Sample 200.8 683054 **Client Sample ID** Matrix Method Prep Batch Prep Type 200.8 Total Recoverable Water 683010 Total Recoverable Water 200.8 683010 Lab Control Sample Total Recoverable Water 200.8 683010 Total Recoverable 200.8 683010 Water Total Recoverable Water 200.8 683010 **Client Sample ID** Prep Type Matrix Method Prep Batch Potentially Dissolvec Water 200.8 683330 Potentially Dissolvec Water 200.8 683330 Potentially Dissolvec Water 200.8 683330 Lab Control Sample **Client Sample ID** Matrix Method Prep Batch Prep Type Potentially Dissolvec Water Filtration Lab Control Sample Potentially Dissolvec Water Filtration **Client Sample ID** Prep Type Matrix Method Prep Batch Potentially Dissolvec Water Poten_Diss_Met

Prep Batch: 683636

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method F	rep Batch
280-202333-1	OUTFALL-001	Potentially Dissolvec	Water	200.8	683615
MB 280-683613/1-B	Method Blank	Potentially Dissolvec	Water	200.8	683613
LCS 280-683613/20-B	Lab Control Sample	Potentially Dissolvec	Water	200.8	683613

Metals

Analysis Batch: 683875

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-202333-1	OUTFALL-001	Potentially Dissolvec	Water	200.8	683636
MB 280-683613/1-B	Method Blank	Potentially Dissolvec	Water	200.8	683636
LCS 280-683613/20-B	Lab Control Sample	Potentially Dissolvec	Water	200.8	683636

Client Sample ID: OUTFALL-001 Date Collected: 01/28/25 13:30 Date Received: 01/28/25 16:20

Lab Sample ID: 280-202333-1 Matrix: Water

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Potentially Dissolvec	Filtration	Poten_Diss_Met			150 mL	150 mL	683615	01/29/25 21:45	AES	EET DEN
Potentially Dissolvec	Prep	200.8			50 mL	50 mL	683636	02/05/25 14:31	SLH	EET DEN
Potentially Dissolvec	Analysis	200.8		1			683875	02/06/25 09:59	LMT	EET DEN
Potentially Dissolvec	Filtration	Poten_Diss_Met			100 mL	100 mL	683223	01/30/25 20:22	AMH	EET DEN
Potentially Dissolvec	Prep	200.8			50 mL	50 mL	683330	01/31/25 18:31	AMH	EET DEN
Potentially Dissolvec	Analysis	200.8		1			683519	02/03/25 18:03	LMT	EET DEN
Total Recoverable	Prep	200.8			50 mL	50 mL	683010	01/31/25 14:46	AMH	EET DEN
Total Recoverable	Analysis	200.8		1			683518	02/03/25 16:45	LMT	EET DEN

Laboratory References:

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

Client: Grand Island Resources Project/Site: Nederland, CO Job ID: 280-202333-1

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 Envronment Tastrug America	Ne(s): EBE Ne:	Fage:	Jeb 条		A - HOL M - THEXANA B - NACH M - NAMA C - ZA ACABANA O - ASMADO			J = BI Water	K = EBTA L = EBA	Officer.	Beecial Instructions/Note:	1. 1	Z^{4} second half of the month petentially dissolved metals permit list = 200.8 (Cet.	*Second half of the month total recoverable metals permit #st = 200.8 (CU, Pb)		m= 7.0 ()	OBSERVED ON SHEEN ? YES (No JERER)	* If oil sheen observed in discharge, sampling for Oil&Grease required.	imples are retained fonger than 1 month)			Bate/Time.	Bate/Time: Company	Applying 12 17, 20 EAT OCN	(itedsu ctto.)	Ver. 01/16/2019
cord	. Dwan T	E-Mail: E-Mail: Dylan: Bieniulis@et.eurofinsus.com	Analysis Requested					sintai n	(bev)o	sei@Vil	MUDM mmohe9 Bilnate9 - 8,004 a3, IstoT - 8,004 (faill3jmraq (faill3jmraq	X B B	XX					280-202333 Chain of Custody	Bample Disposal (A fee may be assessed if samples are retained longer than 1 month) Beruna Ta Clicaria Discoved But ab	s Requirements:	Method of	Received by:	, , ,	Received to:	Geoler femperature(s) *C and Olher Remarks: 🕥 , 🂪	<pre>3 1 1 1 1 1 1 1</pre>
Chain of Custody Record	KANN LODEZ	7206997772	EWSHD:	Due Date Requested:	tAt Requested (days):	Gempliance Project: 👌 Yes 🖞 No			Propect #: 28022821		Bample Date Time G-entral Arvin, Bample Date Time G-entral Arvin, Bample (C-entral Arvin, Bample Date Time C-entral Arvin, Bample C-entral Arvin,	Preservation Code:	012320513.30 C1 W N								Date:	Bate/Time:	Bate/Time. Company	BARNATING 28/35 In 2 COMPANY		
Eurofins TestAmerica, Denver 4955 Yarrew Street Arvada, 60 80002 Phone 4731 239-0402	Bampler	Effect Contact. Phone:		i Suite 110			Риеле: (303) 601-9230	Entaik. ////////////////////////////////////		ie menth event	Bample Identification. Ba		OUTFALL-OON 10						Rossitive Hazard Identification Abon-Hazard 🗖 Etammable 🔲 Skin Irritant 🗍 Poiscon B		linquished by:	Reinquished by:	-	nen Loper	Custedy Seals Intect: Custedy Seat Ne.: A Yes A Ne	

Client: Grand Island Resources

Login Number: 202333 List Number: 1 Creator: Held, Wesley

Question	Answer	Comment
Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>True</td> <td></td>	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	

Job Number: 280-202333-1

List Source: Eurofins Denver



Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Brooke Molson Moran Grand Island Resources 12567 West Cedar Road Suite 110 Lakewood, Colorado 80228 Generated 2/25/2025 2:27:18 PM

JOB DESCRIPTION

Nederland, CO

JOB NUMBER

280-203061-1

Eurofins Denver 4955 Yarrow Street Arvada CO 80002





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

-B-J

Generated 2/25/2025 2:27:18 PM

5

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

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3

Qualifiers

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.
<u></u>	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: 280-203061-1

Eurofins Denver

Job Narrative 280-203061-1

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 2/13/2025 4:32 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.

Receipt Exceptions

One of the two low level mercury kits was received in improper packaging. Only one unlabeled bubble bag was used for the one with improper packaging: OUTFALL-001 (280-203061-1).

Method 1631E - Mercury, Low Level (CVAFS)

Sample OUTFALL-001 (280-203061-1) was analyzed for Mercury, Low Level (CVAFS). The sample was prepared on 2/20/2025 and analyzed on 2/25/2025.

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

Sample OUTFALL-001 (280-203061-1) was analyzed for Metals (ICP) - Total Recoverable. The sample was prepared and analyzed on 2/18/2025.

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

Sample OUTFALL-001 (280-203061-1) was analyzed for Metals (ICP/MS) - Potentially Dissolved. The sample was prepared on 2/17/2025 and analyzed on 2/18/2025.

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

Sample OUTFALL-001 (280-203061-1) was analyzed for Metals (ICP/MS) - Total Recoverable. The sample was prepared and analyzed on 2/18/2025.

Method 245.1 - Mercury (CVAA)

Sample OUTFALL-001 (280-203061-1) was analyzed for Mercury (CVAA). The sample was prepared and analyzed on 2/18/2025.

Method SM 2510B - Conductivity, Specific Conductance

Sample OUTFALL-001 (280-203061-1) was analyzed for Conductivity, Specific Conductance. The sample was analyzed on 2/17/2025.

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

Eurofins Denver

Job ID: 280-203061-1 (Continued)

Sample OUTFALL-001 (280-203061-1) was analyzed for Solids, Total Suspended (TSS). The sample was analyzed on 2/18/2025.

Method SM 3500 CR B - Chromium, Hexavalent

Sample OUTFALL-001 (280-203061-1) was analyzed for Chromium, Hexavalent. The sample was analyzed on 2/13/2025.

The method blank for analytical batch 280-684724 contained Chromium, hexavalent above the method detection limit. This target analyte concentration was less than half the reporting limit (1/2RL) in the method blank; therefore, re-analysis of samples was not performed.

Method SM 3500 CR B - Chromium, Hexavalent - Dissolved

Sample OUTFALL-001 (280-203061-1) was analyzed for Chromium, Hexavalent - Dissolved. The sample was analyzed on 2/13/2025.

Method SM3500 CR B - Chromium, Trivalent - Potentially Dissolved

Sample OUTFALL-001 (280-203061-1) was analyzed for Chromium, Trivalent - Potentially Dissolved. The sample was analyzed on 2/21/2025.

Method SM3500 CR B - Chromium, Trivalent - Total Recoverable

Sample OUTFALL-001 (280-203061-1) was analyzed for Chromium, Trivalent - Total Recoverable. The sample was analyzed on 2/21/2025.

Method SM 4500 H+ B - pH

Sample OUTFALL-001 (280-203061-1) was analyzed for pH. The sample was analyzed on 2/14/2025.

Method SM 4500 S2 D - Sulfide, Total

Sample OUTFALL-001 (280-203061-1) was analyzed for Sulfide, Total. The sample was analyzed on 2/17/2025.

Method SM4500 S2 H - Unionized Hydrogen Sulfide

Sample OUTFALL-001 (280-203061-1) was analyzed for Unionized Hydrogen Sulfide. The sample was analyzed on 2/16/2025.

2/25/2025

Client Sample ID: OUTFALL-001

Job ID: 280-203061-1

Lab Sample ID: 280-2	203061-1
----------------------	----------

Analyte	Result Q	ualifier RL	MDL	Unit	Dil Fac D	Method	Prep Туре
Mercury	1.9	0.50	0.20	ng/L	1	1631E	Total/NA
Zinc	24	10	5.0	ug/L	1	200.8	Total Recoverable
Zinc	28	10	5.0	ug/L	1	200.8	Potentially Dissolved
Specific Conductance	250	2.0	2.0	umhos/cm	1	SM 2510B	Total/NA
pH adj. to 25 deg C	8.0 HI	F 0.1	0.1	SU	1	SM 4500 H+ B	Total/NA
Temperature	20.7 HI	F 1.0	1.0	Degrees C	1	SM 4500 H+ B	Total/NA
Field pH	8.0	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	250	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: 280-203061-1

ethod	Method Description	Protocol	Laboratory
631E	Mercury, Low Level (CVAFS)	EPA	EET PEN
0.7 Rev 4.4	Metals (ICP)	EPA	EET DEN
0.8	Metals (ICP/MS)	EPA	EET DEN
45.1	Mercury (CVAA)	EPA	EET DEN
M 2510B	Conductivity, Specific Conductance	SM	EET DEN
M 2540D	Solids, Total Suspended (TSS)	SM	EET DEN
M 3500 CR B	Chromium, Hexavalent	SM	EET DEN
M 4500 H+ B	pH	SM	EET DEN
M 4500 S2 D	Sulfide, Total	SM	EET DEN
M3500 CR B	Chromium, Trivalent	SM	EET DEN
M4500 S2 H	Unionized Hydrogen Sulfide	SM	EET DEN
631E	Preparation, Mercury, Low Level	EPA	EET PEN
00.7	Preparation, Total Recoverable Metals	EPA	EET DEN
0.8	Preparation, Total Recoverable Metals	EPA	EET DEN
45.1	Preparation, Mercury	EPA	EET DEN
LTRATION	Sample Filtration	None	EET DEN
oten 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

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
280-203061-1	OUTFALL-001	Water	02/13/25 12:15	02/13/25 16:32

Client: Grand Island Resources Project/Site: Nederland, CO Job ID: 280-203061-1

	y, Low		,						
Client Sample ID: OUTFALL-001 Date Collected: 02/13/25 12:15 Date Received: 02/13/25 16:32							Lab Sam	ole ID: 280-20 Matrix:	
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	1.9		0.50	0.20	ng/L		02/20/25 15:45		1
Method: EPA 200.7 Rev 4.4 -	Metals	(ICP) - To	tal Recov	erable					
Client Sample ID: OUTFALL-001							Lab Sam	ole ID: 280-20	3061-1
Date Collected: 02/13/25 12:15								Matrix	
Date Received: 02/13/25 16:32									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		100	40	ug/L		02/18/25 08:45	02/18/25 18:30	1
Method: EPA 200.8 - Metals (CP/MS	6) - Total R	ecoverab	le					
Client Sample ID: OUTFALL-001 Date Collected: 02/13/25 12:15							Lab Samp	ole ID: 280-20 Matrix:	
Date Received: 02/13/25 16:32	D	0			11	-	D	A	
Analyte		Qualifier	RL	MDL		D	Prepared 02/18/25 08:45	Analyzed	Dil Fac
Arsenic	ND		2.0		ug/L				
Cadmium	ND		1.0	0.25	0		02/18/25 08:45		
Chromium	ND		3.0		ug/L		02/18/25 08:45		
Copper	ND		2.0		ug/L		02/18/25 08:45		1
Lead	ND		1.0	0.50	-		02/18/25 08:45		1
Zinc	24		10		ug/L		02/18/25 08:45	02/18/25 18:29	1
Method: EPA 200.8 - Metals (I	CP/MS	6) - Potent	ially Diss	olved					
Client Sample ID: OUTFALL-001 Date Collected: 02/13/25 12:15 Date Received: 02/13/25 16:32							Lab Samp	ole ID: 280-20 Matrix:	
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		2.0	0.50	ug/L		02/17/25 19:53	02/18/25 13:22	1
Cadmium	ND		1.0	0.25	ug/L		02/17/25 19:53	02/18/25 13:22	1
Cadmium	ND		3.0	1.0	ug/L		02/17/25 19:53	02/18/25 13:22	1
Cadmium Chromium	שמו		3.0		J.		02/17/25 10:53	02/18/25 13:22	1
Chromium					ug/L		02/11/25 19.55		
	ND		2.0	1.0	ug/L ug/L				-
Chromium Copper Lead	ND ND		2.0 1.0	1.0 0.50	ug/L		02/17/25 19:53	02/18/25 13:22	
Chromium Copper Lead Manganese	ND ND ND		2.0 1.0 3.0	1.0 0.50 1.5	ug/L ug/L		02/17/25 19:53 02/17/25 19:53	02/18/25 13:22 02/18/25 13:22	1
Chromium Copper Lead Manganese Nickel	ND ND ND ND		2.0 1.0 3.0 3.0	1.0 0.50 1.5 1.0	ug/L ug/L ug/L		02/17/25 19:53 02/17/25 19:53 02/17/25 19:53	02/18/25 13:22 02/18/25 13:22 02/18/25 13:22	1
Chromium Copper Lead Manganese Nickel Selenium	ND ND ND ND		2.0 1.0 3.0 3.0 2.0	1.0 0.50 1.5 1.0 0.50	ug/L ug/L ug/L ug/L		02/17/25 19:53 02/17/25 19:53 02/17/25 19:53 02/17/25 19:53	02/18/25 13:22 02/18/25 13:22 02/18/25 13:22 02/18/25 13:22	1 1 1
Chromium Copper Lead Manganese Nickel	ND ND ND ND		2.0 1.0 3.0 3.0	1.0 0.50 1.5 1.0 0.50 0.25	ug/L ug/L ug/L ug/L		02/17/25 19:53 02/17/25 19:53 02/17/25 19:53	02/18/25 13:22 02/18/25 13:22 02/18/25 13:22 02/18/25 13:22 02/18/25 13:22	1 1 1 1
Chromium Copper Lead Manganese Nickel Selenium Silver Zinc	ND ND ND ND ND ND 28	A)	2.0 1.0 3.0 3.0 2.0 0.50	1.0 0.50 1.5 1.0 0.50 0.25	ug/L ug/L ug/L ug/L ug/L		02/17/25 19:53 02/17/25 19:53 02/17/25 19:53 02/17/25 19:53 02/17/25 19:53	02/18/25 13:22 02/18/25 13:22 02/18/25 13:22 02/18/25 13:22 02/18/25 13:22	1 1 1 1 1
Chromium Copper Lead Manganese Nickel Selenium Silver Zinc Wethod: EPA 245.1 - Mercury Client Sample ID: OUTFALL-001	ND ND ND ND ND ND 28	<u>A)</u>	2.0 1.0 3.0 3.0 2.0 0.50	1.0 0.50 1.5 1.0 0.50 0.25	ug/L ug/L ug/L ug/L ug/L		02/17/25 19:53 02/17/25 19:53 02/17/25 19:53 02/17/25 19:53 02/17/25 19:53 02/17/25 19:53	02/18/25 13:22 02/18/25 13:22 02/18/25 13:22 02/18/25 13:22 02/18/25 13:22 02/18/25 13:22 02/18/25 13:22	1 1 1 1 1 1 1 3 061-1
Chromium Copper Lead Manganese Nickel Selenium Silver Zinc Method: EPA 245.1 - Mercury Client Sample ID: OUTFALL-001 Date Collected: 02/13/25 12:15	ND ND ND ND ND ND 28	<u>()</u>	2.0 1.0 3.0 3.0 2.0 0.50	1.0 0.50 1.5 1.0 0.50 0.25	ug/L ug/L ug/L ug/L ug/L		02/17/25 19:53 02/17/25 19:53 02/17/25 19:53 02/17/25 19:53 02/17/25 19:53 02/17/25 19:53	02/18/25 13:22 02/18/25 13:22 02/18/25 13:22 02/18/25 13:22 02/18/25 13:22 02/18/25 13:22	1 1 1 1 1 1 3 061-1
Chromium Copper Lead Manganese Nickel Selenium Silver Zinc Method: EPA 245.1 - Mercury Client Sample ID: OUTFALL-001	ND ND ND ND 28 (CVAA	A) Qualifier	2.0 1.0 3.0 3.0 2.0 0.50	1.0 0.50 1.5 1.0 0.50 0.25	ug/L ug/L ug/L ug/L ug/L	D	02/17/25 19:53 02/17/25 19:53 02/17/25 19:53 02/17/25 19:53 02/17/25 19:53 02/17/25 19:53	02/18/25 13:22 02/18/25 13:22 02/18/25 13:22 02/18/25 13:22 02/18/25 13:22 02/18/25 13:22 02/18/25 13:22	1 1 1 1 1 1 3 061-1

General Chemistry

Client Sample ID: OUTFALL-001 Date Collected: 02/13/25 12:15							Lab San	nple ID: 280-20 Matrix:	
Date Received: 02/13/25 16:32 Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (SM 2510B)	250		2.0	2.0	umhos/cm			02/17/25 14:28	1
Total Suspended Solids (SM 2540D)	ND		4.0	1.5	mg/L			02/18/25 11:18	1
Chromium, hexavalent (SM 3500 CR B)	ND		20	5.0	ug/L			02/13/25 18:32	1
pH adj. to 25 deg C (SM 4500 H+ B	8.0	HF	0.1	0.1	SU			02/14/25 14:54	1
Temperature (SM 4500 H+ B)	20.7	HF	1.0	1.0	Degrees C			02/14/25 14:54	1
Sulfide (SM 4500 S2 D)	ND		0.050	0.035	mg/L			02/17/25 12:07	1
Un-ionized Hydrogen Sulfide (SM4500 S2 H)	ND		1.0	1.0	mg/L			02/16/25 20:13	1
Field pH (SM4500 S2 H)	8.0		1.0	1.0	SU			02/16/25 20:13	1
Field Temperature (SM4500 S2 H)	21		1.0	1.0	Celsius			02/16/25 20:13	1
Specific Conductance (SM4500 S2 H)	250		2.0	2.0	umhos/cm			02/16/25 20:13	1
Sulfide (SM4500 S2 H)	ND		1.0	1.0	mg/L			02/16/25 20:13	1

Client Sample ID: OUTFALL-007 Date Collected: 02/13/25 12:15	l						Lab Sam	ple ID: 280-20 Matrix:		ļ
Date Received: 02/13/25 16:32										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chromium, trivalent (SM3500 CR B)	ND		3.0	3.0	ug/L			02/21/25 15:48	1	

General Chemistry - Dissolved

Client Sample ID: OUTFALL-001 Date Collected: 02/13/25 12:15							Lab San	nple ID: 280-20 Matrix:	3061-1 : Water
Date Received: 02/13/25 16:32 Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent (SM 3500 CR B)	ND		20	5.0	ug/L			02/13/25 18:16	1

General Chemistry - Potentially Dissolved

Client Sample ID: OUTFALL-001 Date Collected: 02/13/25 12:15					Lab San	nple ID: 280-20 Matrix	3061-1 : Water
Date Received: 02/13/25 16:32 Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analvzed	Dil Fac
Chromium, trivalent (dissolved) (SM3500 CR B)	ND ND	3.0	3.0 ug/L		Fiepaleu	02/21/25 15:48	1

Job ID: 280-203061-1

Method: 1631E - Mercury, Low Level (CVAFS) Lab Sample ID: MB 400-700457/3-A Client Sample ID: Method Blank Matrix: Water Prep Type: Total/NA Prep Batch: 700457 Analysis Batch: 700534 MB MB **Result Qualifier** RL MDL Unit Analyzed Dil Fac Analyte D Prepared 0.50 02/21/25 12:00 02/25/25 09:33 Mercury ND 0.20 ng/L 1 Lab Sample ID: LCS 400-700457/4-A **Client Sample ID: Lab Control Sample Matrix: Water** Prep Type: Total/NA Analysis Batch: 700534 Prep Batch: 700457 Spike LCS LCS %Rec Added Result Qualifier D %Rec Limits Analyte Unit 5.00 79 - 121 Mercury 4 4 1 ng/L 88 Lab Sample ID: LCSD 400-700457/5-A Client Sample ID: Lab Control Sample Dup **Matrix: Water** Prep Type: Total/NA Analysis Batch: 700534 Prep Batch: 700457 Spike LCSD LCSD %Rec RPD Added Result Qualifier Limits RPD Limit Analyte Unit D %Rec Mercury 5.00 4.31 86 79_121 2 20 ng/L Lab Sample ID: 280-203061-1 MS Client Sample ID: OUTFALL-001 **Matrix: Water Prep Type: Total/NA** Analysis Batch: 700534 Prep Batch: 700457 Spike MS MS %Rec Sample Sample Analyte **Result Qualifier** Added **Result Qualifier** Unit %Rec Limits D 6.38 71 - 125 Mercury 1.9 5.00 ng/L 89 Lab Sample ID: 280-203061-1 MSD Client Sample ID: OUTFALL-001 Matrix: Water Prep Type: Total/NA Analysis Batch: 700534 Prep Batch: 700457 MSD MSD Sample Sample Spike %Rec RPD Analyte **Result Qualifier** Added Limits RPD **Result Qualifier** Unit D %Rec Limit 1.9 5.00 6.35 88 71 - 125 Mercury ng/L 0 24 Method: 200.7 Rev 4.4 - Metals (ICP) Lab Sample ID: MB 280-685024/1-A **Client Sample ID: Method Blank** Matrix: Water Prep Type: Total Recoverable Analysis Batch: 685200 Prep Batch: 685024 MR MR MDL Unit Analyte **Result Qualifier** RL D Prepared Analyzed Dil Fac 100 40 ug/L 02/18/25 08:45 02/18/25 18:23 ND Iron 1 Lab Sample ID: LCS 280-685024/2-A **Client Sample ID: Lab Control Sample** Matrix: Water **Prep Type: Total Recoverable** Analysis Batch: 685200 Prep Batch: 685024 LCS LCS Spike %Rec Analyte Added **Result Qualifier** Unit D %Rec Limits 10000 9930 Iron ug/L 99 85 - 115

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Method: 200.8 - Metals (ICP/MS)

Lab Sample ID: MB 280-685024/1-A Matrix: Water

Analysis Batch: 685192

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		2.0	0.50	ug/L		02/18/25 08:45	02/18/25 18:22	1
Cadmium	ND		1.0	0.25	ug/L		02/18/25 08:45	02/18/25 18:22	1
Chromium	ND		3.0	1.0	ug/L		02/18/25 08:45	02/18/25 18:22	1
Copper	ND		2.0	1.0	ug/L		02/18/25 08:45	02/18/25 18:22	1
Lead	ND		1.0	0.50	ug/L		02/18/25 08:45	02/18/25 18:22	1
Zinc	ND		10	5.0	ug/L		02/18/25 08:45	02/18/25 18:22	1

Lab Sample ID: LCS 280-685024/24-A Matrix: Water

Analysis Batch: 685192							Prep Batch: 685024
	Spike	LCS	LCS				%Rec
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits
Arsenic	40.0	40.1		ug/L		100	89 - 111
Cadmium	40.0	41.0		ug/L		102	89 - 111
Chromium	40.0	38.1		ug/L		95	86 - 115
Copper	40.0	38.3		ug/L		96	90 - 115
Lead	40.0	37.7		ug/L		94	88 - 115
Zinc	40.0	40.1		ug/L		100	88 - 115

Lab Sample ID: MB 280-684875/1-B Matrix: Water

Analysis Batch: 685193

								op Batom	
	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		2.0	0.50	ug/L		02/17/25 19:53	02/18/25 13:05	1
Cadmium	ND		1.0	0.25	ug/L		02/17/25 19:53	02/18/25 13:05	1
Chromium	ND		3.0	1.0	ug/L		02/17/25 19:53	02/18/25 13:05	1
Copper	ND		2.0	1.0	ug/L		02/17/25 19:53	02/18/25 13:05	1
Lead	ND		1.0	0.50	ug/L		02/17/25 19:53	02/18/25 13:05	1
Manganese	ND		3.0	1.5	ug/L		02/17/25 19:53	02/18/25 13:05	1
Nickel	ND		3.0	1.0	ug/L		02/17/25 19:53	02/18/25 13:05	1
Selenium	ND		2.0	0.50	ug/L		02/17/25 19:53	02/18/25 13:05	1
Silver	ND		0.50	0.25	ug/L		02/17/25 19:53	02/18/25 13:05	1
Zinc	ND		10	5.0	ug/L		02/17/25 19:53	02/18/25 13:05	1

Lab Sample ID: LCS 280-684875/2-B Matrix: Water Analysis Batch: 685193

Client Sample ID: Lab Control Sample Prep Type: Potentially Dissolved Prep Batch: 684946

	Spike	LCS	LCS				%Rec
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits
Arsenic	40.0	41.2		ug/L		103	89 - 111
Cadmium	40.0	41.8		ug/L		105	89 - 111
Chromium	40.0	40.2		ug/L		101	86 - 115
Copper	40.0	40.3		ug/L		101	90 - 115
Lead	40.0	40.0		ug/L		100	88 - 115
Manganese	40.0	39.8		ug/L		99	87 - 115
Nickel	40.0	40.5		ug/L		101	86 - 115
Selenium	40.0	41.7		ug/L		104	85 - 114
Silver	40.0	40.2		ug/L		101	90 - 114

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Prep Batch: 685024

Client Sample ID: Method Blank

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Type: Total Recoverable

Client Sample ID: Method Blank Prep Type: Potentially Dissolved Prep Batch: 684946

QC Sample Results

Job ID: 280-203061-1

Lab Sample ID: LCS 280-68	84875/2-B						Clie	nt Sa	ample ID:	Lab Control	l Sar	nple
Matrix: Water								Pre	ep Type: F	Potentially D	isso	lvec
Analysis Batch: 685193										Prep Batch	: 684	4946
			Spike		LCS	LCS				%Rec		
Analyte			Added		Result	Qualifier	Unit	D	%Rec	Limits		
Zinc			40.0		41.6		ug/L		104	88 - 115		
Method: 245.1 - Mercury	(CVAA)											
Lab Sample ID: MB 280-685	5154/1-A							Cli	ient Sam	ple ID: Metho	od B	lank
Matrix: Water										Prep Type:	Tota	I/NA
Analysis Batch: 685300										Prep Batch		
-	I	ИВ МВ										
Analyte	Res	ult Qualifier		RL	I	MDL Unit		DI	Prepared	Analyzed	D	il Fac
Mercury	I	ND		0.20	0	.060 ug/L		02/	/18/25 17:05	02/18/25 23:1	2	1
_ Lab Sample ID: LCS 280-68	35154/2-A						Clie	nt Sa	ample ID:	Lab Control	l Sar	nple
Matrix: Water							••			Prep Type:		
Analysis Batch: 685300										Prep Batch		
Analysis Batch. 000000			Spike		LCS	201				%Rec	. 00.	5154
Analyte			Added		-	Qualifier	Unit	D	%Rec	Limits		
Mercury			5.00		4.42	Quaimer	ug/L		<u>88</u>	85 - 115		
			5.00		4.42		ug/L		00	05-115		
Lab Sample ID: MB 280-685 Matrix: Water	0004/4							Cli	ient Samp	ple ID: Metho Prep Type:		
		MB MB						Cli	ient Samp	ple ID: Metho Prep Type:		
Matrix: Water Analysis Batch: 685004 Analyte	r	MB MB ult Qualifier		RL	1	MDL Unit			<mark>ient Sam</mark> r Prepared	Prep Type: Analyzed	Tota	
Matrix: Water Analysis Batch: 685004	I Res			RL 2.0	I	MDL Unit				Prep Type:	Tota	I/NA
Matrix: Water Analysis Batch: 685004 Analyte Specific Conductance Lab Sample ID: LCS 280-68	Res	ult Qualifier			1		os/cm	<u>D</u>	Prepared	Analyzed 02/17/25 14:20 Lab Control	Tota 8 I Sar	I/NA il Fac
Matrix: Water Analysis Batch: 685004 Analyte Specific Conductance Lab Sample ID: LCS 280-68 Matrix: Water	Res	ult Qualifier			1		os/cm	<u>D</u>	Prepared	Analyzed 02/17/25 14:2:	Tota 8 I Sar	I/NA il Fac
Matrix: Water Analysis Batch: 685004 Analyte Specific Conductance Lab Sample ID: LCS 280-68	Res	ult Qualifier				2.0 umhc	os/cm	<u>D</u>	Prepared	Analyzed 02/17/25 14:20 Lab Control Prep Type:	Tota 8 I Sar	I/NA il Fac
Matrix: Water Analysis Batch: 685004 Analyte Specific Conductance Lab Sample ID: LCS 280-68 Matrix: Water	Res	ult Qualifier	Spike		LCS	2.0 umhc	os/cm	<u>D</u>	Prepared	Analyzed 02/17/25 14:20 Lab Control	Tota 8 I Sar	I/NA il Fac
Matrix: Water Analysis Batch: 685004 Analyte Specific Conductance Lab Sample ID: LCS 280-68 Matrix: Water	Res	ult Qualifier	Spike Added	2.0	LCS	2.0 umhc	os/cm	<u>D</u>	Prepared	Analyzed 02/17/25 14:20 Lab Control Prep Type:	Tota 8 I Sar	I/NA il Fac
Matrix: Water Analysis Batch: 685004 Analyte Specific Conductance Lab Sample ID: LCS 280-68 Matrix: Water Analysis Batch: 685004	Res	ult Qualifier		2.0	LCS	2.0 umhc	os/cm Clie	D nt Sa	Prepared	Analyzed 02/17/25 14:20 Lab Control Prep Type: %Rec	Tota 8 I Sar	I/NA il Fac
Matrix: Water Analysis Batch: 685004 Analyte Specific Conductance Lab Sample ID: LCS 280-68 Matrix: Water Analysis Batch: 685004 Analyte	Res 35004/3	ult Qualifier	Added	2.0	LCS Result	2.0 umhc	os/cm Clie Unit	<u>D</u> nt Sa 	Prepared ample ID: 0 <u>%Rec</u> 102	Analyzed 02/17/25 14:2 Lab Contro Prep Type: %Rec Limits	Tota <u>D</u> Sar Tota	il Fac nple I/NA
Matrix: Water Analysis Batch: 685004 Analyte Specific Conductance Lab Sample ID: LCS 280-68 Matrix: Water Analysis Batch: 685004 Analyte Specific Conductance	Res 35004/3	ult Qualifier	Added	2.0	LCS Result	2.0 umhc	os/cm Clie Unit	<u>D</u> nt Sa 	Prepared ample ID: 0 <u>%Rec</u> 102	Prep Type: Analyzed 02/17/25 14:2 Lab Control Prep Type: %Rec Limits 90 - 110	Tota <u>B</u> I Sar Tota <u>C</u>	I/NA il Fac nple I/NA
Matrix: Water Analysis Batch: 685004 Analyte Specific Conductance Lab Sample ID: LCS 280-68 Matrix: Water Analysis Batch: 685004 Analyte Specific Conductance Lab Sample ID: 280-203061	Res 35004/3	ult Qualifier	Added	2.0	LCS Result	2.0 umhc	os/cm Clie Unit	<u>D</u> nt Sa 	Prepared ample ID: 0 <u>%Rec</u> 102	Analyzed 02/17/25 14:2 Lab Control Prep Type: %Rec Limits 90 - 110	Tota <u>B</u> I Sar Tota <u>C</u>	I/NA il Fac nple I/NA
Matrix: Water Analysis Batch: 685004 Analyte Specific Conductance Lab Sample ID: LCS 280-68 Matrix: Water Analysis Batch: 685004 Analyte Specific Conductance Lab Sample ID: 280-203061 Matrix: Water	Res 35004/3	ult Qualifier	Added	2.0	LCS Result	2.0 umhc	os/cm Clie Unit	<u>D</u> nt Sa 	Prepared ample ID: 0 <u>%Rec</u> 102	Analyzed 02/17/25 14:2 Lab Control Prep Type: %Rec Limits 90 - 110	Tota <u>B</u> I Sar Tota <u>C</u>	I/NA il Fac nple I/NA -001 I/NA
Matrix: Water Analysis Batch: 685004 Analyte Specific Conductance Lab Sample ID: LCS 280-68 Matrix: Water Analysis Batch: 685004 Analyte Specific Conductance Lab Sample ID: 280-203061 Matrix: Water	-1 DU	ult Qualifier	Added	2.0	LCS Result 1440 DU	2.0 umhc	os/cm Clie Unit	<u>D</u> nt Sa 	Prepared ample ID: 0 <u>%Rec</u> 102 ient Samp	Prep Type: Analyzed 02/17/25 14:2 Lab Control Prep Type: %Rec Limits 90 - 110 Die ID: OUTF Prep Type:	Tota <u>D</u> I Sar Tota ALL Tota	I/NA il Fac nple I/NA
Matrix: Water Analysis Batch: 685004 Specific Conductance Lab Sample ID: LCS 280-68 Matrix: Water Analysis Batch: 685004 Analyte Specific Conductance Lab Sample ID: 280-203061 Matrix: Water Analysis Batch: 685004	Res 35004/3 -1 DU Sample S	ult Qualifier	Added	2.0	LCS Result 1440 DU	2.0 umho LCS Qualifier	Unit Unit	D nt Sa Cli	Prepared ample ID: 0 <u>%Rec</u> 102 ient Samp	Prep Type: Analyzed 02/17/25 14:20 Lab Control Prep Type: %Rec Limits 90 - 110 Die ID: OUTF Prep Type: R	Tota <u>D</u> I Sar Tota Tota	I/NA il Fac 1 mple I/NA -001 I/NA RPE
Matrix: Water Analysis Batch: 685004 Analyte Specific Conductance Lab Sample ID: LCS 280-68 Matrix: Water Analysis Batch: 685004 Analyte Specific Conductance Lab Sample ID: 280-203061 Matrix: Water Analysis Batch: 685004 Analyte Specific Conductance	-1 DU Sample 2 <u>Result 0</u> 250	Ult Qualifier	Added 1410	2.0	LCS Result 1440 DU Result	2.0 umho LCS Qualifier	Unit Unit Unit	D nt Sa Cli	Prepared ample ID: 0 <u>%Rec</u> 102 ient Samp	Prep Type: Analyzed 02/17/25 14:20 Lab Control Prep Type: %Rec Limits 90 - 110 Die ID: OUTF Prep Type: R	Tota D 8 I Sar Tota ALL Tota	I/NA il Fac 1 nple I/NA -001 I/NA RPE Limi
Matrix: Water Analysis Batch: 685004 Analyte Specific Conductance Lab Sample ID: LCS 280-68 Matrix: Water Analysis Batch: 685004 Analyte Specific Conductance Lab Sample ID: 280-203061 Matrix: Water Analysis Batch: 685004 Analyte Specific Conductance Wethod: SM 2540D - Sol Lab Sample ID: MB 280-685	-1 DU Sample S Result 250 Iids, Total	Ult Qualifier	Added 1410	2.0	LCS Result 1440 DU Result	2.0 umho LCS Qualifier	Unit Unit Unit	D nt Sa Cli 	Prepared ample ID: 0 <u>%Rec</u> 102 ient Samp	Prep Type: Analyzed 02/17/25 14:20 Lab Control Prep Type: %Rec Limits 90 - 110 Die ID: OUTF Prep Type: Ri Prep Type: Ri ple ID: Metho	Tota <u>D</u> I Sar Tota CALL PD 0.6 - - - - - - - - -	I/NA il Fac nple I/NA -001 I/NA RPI Limi 10 Iank
Matrix: Water Analysis Batch: 685004 Analyte Specific Conductance Lab Sample ID: LCS 280-68 Matrix: Water Analysis Batch: 685004 Analyte Specific Conductance Lab Sample ID: 280-203061 Matrix: Water Analysis Batch: 685004 Analyte Specific Conductance Vethod: SM 2540D - So Lab Sample ID: MB 280-688 Matrix: Water	-1 DU Sample S Result 250 Iids, Total	Ult Qualifier	Added 1410	2.0	LCS Result 1440 DU Result	2.0 umho LCS Qualifier	Unit Unit Unit	D nt Sa Cli 	Prepared ample ID: 0 <u>%Rec</u> 102 ient Samp	Prep Type: Analyzed 02/17/25 14:20 Lab Control Prep Type: %Rec Limits 90 - 110 Die ID: OUTF Prep Type: Rightson	Tota <u>D</u> I Sar Tota CALL PD 0.6 - - - - - - - - -	I/NA il Fac 1 mple I/NA RPC Limit 10
Matrix: Water Analysis Batch: 685004 Analyte Specific Conductance Lab Sample ID: LCS 280-68 Matrix: Water Analysis Batch: 685004 Analyte Specific Conductance Lab Sample ID: 280-203061 Matrix: Water Analysis Batch: 685004 Analyte Specific Conductance Method: SM 2540D - Sol Lab Sample ID: MB 280-688	-1 DU Sample 2 Result 250 lids, Total	ult Qualifier ND Sample Qualifier Suspend	Added 1410	2.0	LCS Result 1440 DU Result	2.0 umho LCS Qualifier	Unit Unit Unit	D nt Sa Cli 	Prepared ample ID: 0 <u>%Rec</u> 102 ient Samp	Prep Type: Analyzed 02/17/25 14:20 Lab Control Prep Type: %Rec Limits 90 - 110 Die ID: OUTF Prep Type: Ri Prep Type: Ri ple ID: Metho	Tota <u>D</u> I Sar Tota CALL PD 0.6 - - - - - - - - -	I/NA il Fac 1 mple I/NA RPC Limit 10
Matrix: Water Analysis Batch: 685004 Analyte Specific Conductance Lab Sample ID: LCS 280-68 Matrix: Water Analysis Batch: 685004 Analyte Specific Conductance Lab Sample ID: 280-203061 Matrix: Water Analysis Batch: 685004 Analyte Specific Conductance Method: SM 2540D - So Lab Sample ID: MB 280-688 Matrix: Water	-1 DU Sample 3 Result 0 250 Iids, Total 5101/1	Ult Qualifier	Added 1410	2.0	LCS Result 1440 DU Result 244	2.0 umho LCS Qualifier	Unit Unit Unit Unit umhos/ci	D nt Sa _ D Cli _ D Cli	Prepared ample ID: 0 <u>%Rec</u> 102 ient Samp	Prep Type: Analyzed 02/17/25 14:20 Lab Control Prep Type: %Rec Limits 90 - 110 Die ID: OUTF Prep Type: Ri Prep Type: Ri ple ID: Metho	Tota D R I Sar Tota ALL Tota PD 0.6 D O B Tota	I/NA il Fac 1 mple I/NA RPC Limit 10

Job ID: 280-203061-1

Lab Sample ID: LCS 280-685	5101/2					Clie	nt Sar	nple ID	: Lab Con		
Matrix: Water									Prep Typ	be: Tot	tal/N/
Analysis Batch: 685101			Cuilco		1.00				9/ Dee		
Analyte			Spike Added	-	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Suspended Solids			504	500		mg/L		99	79 - 114		
/lethod: SM 3500 CR B -	Chromi	ium. Hexav									
Lab Sample ID: MB 280-684							Clie	ent Sam	nple ID: Me	ethod	Blan
Matrix: Water									Prep Typ		
Analysis Batch: 684724											
		MB MB									
Analyte		esult Qualifier			MDL Unit		D P	repared	Analyz		Dil Fa
Chromium, hexavalent		9.27 J		20	5.0 ug/L				02/13/25	18:31	
Lab Sample ID: LCS 280-684 Matrix: Water	724/17					Clie	nt Sar	nple ID	Lab Con Prep Typ		
Analysis Batch: 684724											
-			Spike	LCS	LCS				%Rec		
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits		
Chromium, hexavalent			100	102		ug/L		102	85 - 115		
Lab Sample ID: LCSD 280-6	84724/18				c	lient Sa	mple	ID: Lab	Control S	Sample	e Du
Matrix: Water									Prep Typ		
Analysis Batch: 684724											
			Spike	LCSD	LCSD				%Rec		RP
Analyte			Added		Qualifier	Unit	D	%Rec	Limits	RPD	Lim
Chromium, hexavalent			100	109		ug/L		109	85 - 115	7	2
Lab Sample ID: 280-203061-	1 MS						Clie	nt Sam	ple ID: OL	JTFAL	L-00
Matrix: Water							•		Prep Typ		
Analysis Batch: 684724											
	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Chromium, hexavalent	ND		100	104		ug/L		104	85 - 115		
Lab Sample ID: 280-203061- Matrix: Water	1 MSD						Clie	nt Sam	ple ID: OL Prep Typ		
Analysis Batch: 684724									1100 131		
	Sample	Sample	Spike	MSD	MSD				%Rec		RP
Analyte	-	Qualifier	Added		Qualifier	Unit	D	%Rec	Limits	RPD	Lim
Chromium, hexavalent	ND		100	103		ug/L		103	85 - 115	1	2
Lab Sample ID: 280-203061- Matrix: Water	1 DU						Clie	nt Sam	ple ID: OL Prep Typ		
Analysis Batch: 684724											
	Sample	Sample		DU	DU						RP
Analyte		Qualifier			Qualifier	Unit	D			RPD	Lim
Analyte											

QC Sample Results

Job ID: 280-203061-1

Method: SM 3500 CR B - Chromium, Hexavalent (Continued)

Matrix: Water Analysis Batch: 684724 Chromium, hexavalent Lab Sample ID: LCS 280-684 Matrix: Water Analysis Batch: 684724 Analyte		MB MB esult Qualifier		RL 20	MDL 5.0			DP	repared	Prep Type Analyz		Dil Fac
Analyte Chromium, hexavalent Lab Sample ID: LCS 280-684 Matrix: Water Analysis Batch: 684724		sult Qualifier						D P	repared	Analyz	ed	Dil Fac
Chromium, hexavalent Lab Sample ID: LCS 280-684 Matrix: Water Analysis Batch: 684724								D P	repared	Analyz	ed	Dil Fac
Lab Sample ID: LCS 280-684 Matrix: Water Analysis Batch: 684724	719/1-A	ND		20	5.0							
Matrix: Water Analysis Batch: 684724	719/1-A					uy/L			-	02/13/25	18:16	1
Analysis Batch: 684724							Clie	nt Sai	nple ID	: Lab Con	trol Sa	ample
										Prep Type	: Diss	olved
Analyte												
Analyte			Spike		S LCS					%Rec		
			Added	Resu	lt Qua	lifier	Unit	D	%Rec	Limits		
Chromium, hexavalent			100	10	1		ug/L		101	85 - 115		
_ab Sample ID: LCSD 280-68	4719/2-A	L Contraction of the second seco				C	lient Sa	mple	ID: Lat	Control S	Sample	e Dup
Matrix: Water										Prep Type	: Diss	olvec
Analysis Batch: 684724												
			Spike	LCS	D LCS	D				%Rec		RPD
Analyte			Added	Resu	lt Qua	lifier	Unit	D	%Rec	Limits	RPD	Limi
Chromium, hexavalent			100	10	2		ug/L		102	85 - 115	0	20
_ab Sample ID: 280-203061-1	MS							Clie	nt Sam	nple ID: OL	JTFAL	L-001
Matrix: Water										Prep Type	: Diss	olved
Analysis Batch: 684724												
	Sample	Sample	Spike	М	S MS					%Rec		
Analyte	Result	Qualifier	Added	Resu	lt Qua	lifier	Unit	D	%Rec	Limits		
Chromium, hexavalent	ND		100	10	4		ug/L		104	85 - 115		
_ab Sample ID: 280-203061-1	MSD							Clie	nt Sam	nple ID: OL	JTFAL	L-001
Matrix: Water										Prep Type	: Diss	olved
Analysis Batch: 684724												
-	Sample	Sample	Spike	MS	D MSE)				%Rec		RPD
Analyte	Result	Qualifier	Added	Resu	lt Qua	lifier	Unit	D	%Rec	Limits	RPD	Limi
Chromium, hexavalent	ND		100	10	4		ug/L		104	85 - 115	0	20
_ab Sample ID: 280-203061-1	DU							Clie	nt Sam	nple ID: OL	JTFAL	L-00 1
Matrix: Water										Prep Type	e: Diss	olved
Analysis Batch: 684724												
	Sample	Sample		D	J DU							RPD
Analyte		Qualifier			lt Qua	lifier	Unit	D			RPD	Limi
Chromium, hexavalent	ND			N	5		ug/L				NC	20
ethod: SM 4500 H+ B - ۱	рΗ											
_ab Sample ID: LCS 280-684	857/4						Clie	nt Sa	nole ID	: Lab Con	trol Sa	amnle

Analysis Batch: 684857								
	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
pH adj. to 25 deg C	7.00	7.0		SU		100	99 - 101	

QC Sample Results

Job ID: 280-203061-1

Method: SM 4500 S2 D - Sulfide, Total

Lab Sample ID: MB 280-684997/11 Matrix: Water Analysis Batch: 684997									CI	ient San	ple ID: M Prep Ty		
	MB	МВ											
Analyte	Result	Qualifier		RL	I	MDL	Unit		D	Prepared	Analy	zed	Dil Fac
Sulfide	ND			0.050	0	.035	mg/L				02/17/25	12:04	1
Lab Sample ID: LCS 280-684997/9								Cli	ent Sa	ample ID	: Lab Cor	ntrol Sa	ample
Matrix: Water											Prep Ty	pe: To	tal/NA
Analysis Batch: 684997													
			Spike		LCS	LCS					%Rec		
Analyte			Added		Result	Qua	lifier	Unit	0) %Rec	Limits		
Sulfide			0.500		0.544			mg/L		109	81 - 122		
	10						c	lient S	Sampl	e ID: Lat	Control	Sampl	e Dup
Matrix: Water									- T		Prep Ty	pe: To	tal/NA
Analysis Batch: 684997												•	
-			Spike		LCSD	LCS	D				%Rec		RPD
Analyte			Added		Result	Qua	lifier	Unit	0	%Rec	Limits	RPD	Limit
Sulfide			0.500		0.548			mg/L		110	81 - 122	1	10

Job ID: 280-203061-1

9 10 11 12 13

Filtration Batch: 684731

Metals

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
280-203061-1	OUTFALL-001	Potentially Dissolvec	Water	Poten_Diss_Met	
iltration Batch: 684	875				
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batcl
MB 280-684875/1-B	Method Blank	Potentially Dissolvec	Water	Filtration	
LCS 280-684875/2-B	Lab Control Sample	Potentially Dissolvec	Water	Filtration	
rep Batch: 684946					
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batcl
280-203061-1	OUTFALL-001	Potentially Dissolvec	Water	200.8	68473
MB 280-684875/1-B	Method Blank	Potentially Dissolvec	Water	200.8	68487
LCS 280-684875/2-B	Lab Control Sample	Potentially Dissolvec	Water	200.8	68487
rep Batch: 685024					
Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batc
280-203061-1	OUTFALL-001	Total Recoverable	Water	200.8	
MB 280-685024/1-A	Method Blank	Total Recoverable	Water	200.8	
LCS 280-685024/24-A	Lab Control Sample	Total Recoverable	Water	200.8	
LCS 280-685024/2-A	Lab Control Sample	Total Recoverable	Water	200.8	
Prep Batch: 685154					
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batc
280-203061-1	OUTFALL-001	Total/NA	Water	245.1	
MB 280-685154/1-A	Method Blank	Total/NA	Water	245.1	
LCS 280-685154/2-A	Lab Control Sample	Total/NA	Water	245.1	
Analysis Batch: 685 ⁴	192				
Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batc
280-203061-1	OUTFALL-001	Total Recoverable	Water	200.8	68502
MB 280-685024/1-A	Method Blank	Total Recoverable	Water	200.8	68502
LCS 280-685024/24-A	Lab Control Sample	Total Recoverable	Water	200.8	68502
nalysis Batch: 685	193				
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batc
280-203061-1	OUTFALL-001	Potentially Dissolvec	Water	200.8	68494
MB 280-684875/1-B	Method Blank	Potentially Dissolvec		200.8	68494
LCS 280-684875/2-B	Lab Control Sample	Potentially Dissolvec	Water	200.8	68494
nalysis Batch: 685	200				
Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batc
280-203061-1	OUTFALL-001	Total Recoverable	Water	200.7 Rev 4.4	68502
MB 280-685024/1-A	Method Blank	Total Recoverable	Water	200.7 Rev 4.4	68502
LCS 280-685024/2-A	Lab Control Sample	Total Recoverable	Water	200.7 Rev 4.4	68502
nalysis Batch: 685	300				
Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batc
280-203061-1	OUTFALL-001	Total/NA	Water	245.1	68515
MB 280-685154/1-A	Method Blank	Total/NA	Water	245.1	685154

2/25/2025

Client Sample ID

Lab Control Sample

Lab Control Sample Dup

OUTFALL-001

Method Blank

OUTFALL-001

OUTFALL-001

Metals

Prep Batch: 700457

Lab Sample ID

MB 400-700457/3-A

LCS 400-700457/4-A

280-203061-1 MS

280-203061-1 MSD

LCSD 400-700457/5-A

280-203061-1

QC Association Summary

Prep Type

Total/NA

Total/NA

Total/NA

Total/NA

Total/NA

Total/NA

Job ID: 280-203061-1

Prep Batch

9 10 11 12

				1631E
				1631E
				1631E

Matrix

Water

Water

Water

Water

Water

Water

Method

1631E

1631E

1631E

Analysis	Batch:	700534

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-203061-1	OUTFALL-001	Total/NA	Water	1631E	700457
MB 400-700457/3-A	Method Blank	Total/NA	Water	1631E	700457
LCS 400-700457/4-A	Lab Control Sample	Total/NA	Water	1631E	700457
LCSD 400-700457/5-A	Lab Control Sample Dup	Total/NA	Water	1631E	700457
280-203061-1 MS	OUTFALL-001	Total/NA	Water	1631E	700457
280-203061-1 MSD	OUTFALL-001	Total/NA	Water	1631E	700457

General Chemistry

Filtration Batch: 684719

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-203061-1	OUTFALL-001	Dissolved	Water	FILTRATION	
MB 280-684719/3-A	Method Blank	Dissolved	Water	FILTRATION	
LCS 280-684719/1-A	Lab Control Sample	Dissolved	Water	FILTRATION	
LCSD 280-684719/2-A	Lab Control Sample Dup	Dissolved	Water	FILTRATION	
280-203061-1 MS	OUTFALL-001	Dissolved	Water	FILTRATION	
280-203061-1 MSD	OUTFALL-001	Dissolved	Water	FILTRATION	
280-203061-1 DU	OUTFALL-001	Dissolved	Water	FILTRATION	

Analysis Batch: 684724

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-203061-1	OUTFALL-001	Dissolved	Water	SM 3500 CR B	684719
280-203061-1	OUTFALL-001	Total/NA	Water	SM 3500 CR B	
MB 280-684719/3-A	Method Blank	Dissolved	Water	SM 3500 CR B	684719
MB 280-684724/19	Method Blank	Total/NA	Water	SM 3500 CR B	
LCS 280-684719/1-A	Lab Control Sample	Dissolved	Water	SM 3500 CR B	684719
LCS 280-684724/17	Lab Control Sample	Total/NA	Water	SM 3500 CR B	
LCSD 280-684719/2-A	Lab Control Sample Dup	Dissolved	Water	SM 3500 CR B	684719
LCSD 280-684724/18	Lab Control Sample Dup	Total/NA	Water	SM 3500 CR B	
280-203061-1 MS	OUTFALL-001	Dissolved	Water	SM 3500 CR B	684719
280-203061-1 MS	OUTFALL-001	Total/NA	Water	SM 3500 CR B	
280-203061-1 MSD	OUTFALL-001	Dissolved	Water	SM 3500 CR B	684719
280-203061-1 MSD	OUTFALL-001	Total/NA	Water	SM 3500 CR B	
280-203061-1 DU	OUTFALL-001	Dissolved	Water	SM 3500 CR B	684719
280-203061-1 DU	OUTFALL-001	Total/NA	Water	SM 3500 CR B	

Analysis Batch: 684857

Lab Sample ID	Client Sample ID	Prep Туре	Matrix	Method	Prep Batch
280-203061-1	OUTFALL-001	Total/NA	Water	SM 4500 H+ B	
LCS 280-684857/4	Lab Control Sample	Total/NA	Water	SM 4500 H+ B	

General Chemistry

Analysis Batch: 684904

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-203061-1	OUTFALL-001	Total/NA	Water	SM4500 S2 H	
nalysis Batch: 6849	997				
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-203061-1	OUTFALL-001	Total/NA	Water	SM 4500 S2 D	
MB 280-684997/11	Method Blank	Total/NA	Water	SM 4500 S2 D	
LCS 280-684997/9	Lab Control Sample	Total/NA	Water	SM 4500 S2 D	
LCSD 280-684997/10	Lab Control Sample Dup	Total/NA	Water	SM 4500 S2 D	
analysis Batch: 6850	004				
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-203061-1	OUTFALL-001	Total/NA	Water	SM 2510B	
MB 280-685004/4	Method Blank	Total/NA	Water	SM 2510B	
LCS 280-685004/3	Lab Control Sample	Total/NA	Water	SM 2510B	
280-203061-1 DU	OUTFALL-001	Total/NA	Water	SM 2510B	
nalysis Batch: 685	101				
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-203061-1	OUTFALL-001	Total/NA	Water	SM 2540D	
MB 280-685101/1	Method Blank	Total/NA	Water	SM 2540D	
LCS 280-685101/2	Lab Control Sample	Total/NA	Water	SM 2540D	
nalysis Batch: 685	583				
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-203061-1	OUTFALL-001	Potentially Dissolve	Water	SM3500 CR B	

Lab Sample ID		Fieh lyhe	Wallix	Wethou	Fiep Date
280-203061-1	OUTFALL-001	Potentially Dissolvec	Water	SM3500 CR B	
280-203061-1	OUTFALL-001	Total Recoverable	Water	SM3500 CR B	

Client Sample ID: OUTFALL-001 Date Collected: 02/13/25 12:15 Date Received: 02/13/25 16:32

Lab Sample ID: 280-203061-1 Matrix: Water

	Batch	Batch	_	Dil	Initial	Final	Batch	Prepared	• • ·	
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	1631E			40 mL	40 mL	700457	02/20/25 15:45		EET PEN
Total/NA	Analysis	1631E		1			Completed: 700534	02/21/25 08:45 02/25/25 11:52		EET PEN
Total Recoverable	,	200.8			50 ml	50 ml		02/18/25 08:45		
Total Recoverable	Prep Analysis	200.8 200.7 Rev 4.4		1	50 mL	50 mL	685024 685200	02/18/25 08:45		EET DEN EET DEN
					0001	000 1				
Potentially Dissolvec Potentially Dissolvec		Poten_Diss_Met 200.8			200 mL 50 mL	200 mL 50 mL	684731 684946	02/13/25 19:22 02/17/25 19:53		EET DEN EET DEN
Potentially Dissolvec		200.8		1	50 IIIL	50 IIIL	685193	02/17/25 19:55		EET DEN
Total Recoverable	,				50 ml	50 ml				
Total Recoverable	Prep Analysis	200.8 200.8		1	50 mL	50 mL	685024 685192	02/18/25 08:45 02/18/25 18:29		EET DEN EET DEN
				1	<u></u>					
Total/NA	Prep	245.1		1	30 mL	50 mL	685154	02/18/25 17:05		EET DEN
Total/NA	Analysis	245.1		1			685300	02/18/25 23:55		EET DEN
Total/NA	Analysis	SM 2510B		1			685004	02/17/25 14:28	EL	EET DEN
Total/NA	Analysis	SM 2540D		1	250 mL	250 mL	685101	02/18/25 11:18	BRD	EET DEN
Dissolved	Filtration	FILTRATION			1.0 mL	1.0 mL	684719	02/13/25 17:54	ABW	EET DEN
Dissolved	Analysis	SM 3500 CR B		1	2 mL	2 mL	684724	02/13/25 18:16	ABW	EET DEN
Total/NA	Analysis	SM 3500 CR B		1	2 mL	2 mL	684724	02/13/25 18:32	ABW	EET DEN
Total/NA	Analysis	SM 4500 H+ B		1			684857	02/14/25 14:54	EL	EET DEN
Total/NA	Analysis	SM 4500 S2 D		1	2 mL	2 mL	684997	02/17/25 12:07	ABW	EET DEN
Potentially Dissolvec	Analysis	SM3500 CR B		1			685583	02/21/25 15:48	RMS	EET DEN
Total Recoverable	Analysis	SM3500 CR B		1			685583	02/21/25 15:48	RMS	EET DEN
Total/NA	Analysis	SM4500 S2 H		1			684904	02/16/25 20:13	C1A	EET DEN
This procedure uses		tipulated length of time	e for the pro	ocess. Bo	th start and er	nd times are o	displayed.			

ocedure 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

Job ID: 280-203061-1

Laboratory: Eurofins Denver

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

Authority	Prog	ram	Identification Number	Expiration Date
Dregon	NELA	۱P	4025	01-08-26
	s are included in this repo does not offer certification		not certified by the governing authori	ty. This list may include analytes
Analysis Method	Prep Method	Matrix	Analyte	
SM 4500 H+ B		Water	Temperature	
SM3500 CR B		Water	Chromium, trivalent	
SM3500 CR B		Water	Chromium, trivalent (diss	olved)
SM4500 S2 H		Water	Field pH	
SM4500 S2 H		Water	Field Temperature	
SM4500 S2 H		Water	Specific Conductance	
SM4500 S2 H		Water	Sulfide	
		Water	Un-ionized Hydrogen Sul	

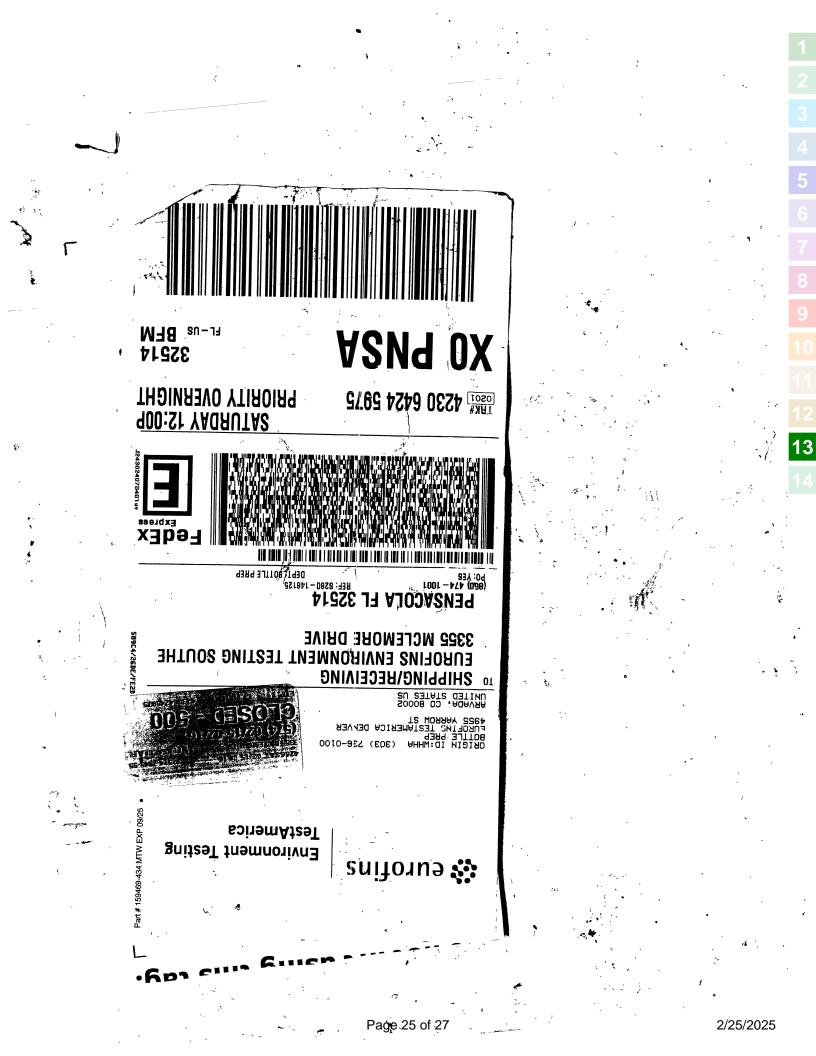
Laboratory: Eurofins Pensacola

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	P330-21-00056	01-09-26
Virginia	NELAP	460166	06-14-25
West Virginia DEP	State	136	03-31-25

11.1.1.0-0.1.C.V.0. Ban PM. Contract Bane Protect Pare 12.C.X.FUL3.2.2. Extent Pare Pare 13.C.X.FUL3.2.2. Extent Pare Pare Marketin France Pare Pare Marketin France <th>Arvada, CO 80002 Phone (303) 736-0100 Phone (303) 431-7171</th> <th></th> <th>cusiouy recoid</th> <th></th> <th></th> <th>America</th>	Arvada, CO 80002 Phone (303) 736-0100 Phone (303) 431-7171		cusiouy recoid			America
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Eurofins Denver 4955 Yarrow Street Arvada, CO 80002 Phone: 303-736-0100 Fax: 303-431-7171	Chain of Custody Record	tody Record		💸 curofins Environment Testing
Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Bieniulis, Dylan T	Carrier Tracking No(s): N/A	COC No: 280-734479.1
1	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 #: 280-203061-1
Address: 3355 McLemore Drive,	Due Date Requested: 2/26/2025		Analysis Requested	Preservation Codes:
City: Pensacola State Zio:	TAT Requested (days): N/A			
orade, zip. FL, 32514				
Phone: 850-474-1001(Tel) 850-478-2671(Fax)	Po#: N/A	(2		
Email: N/A	WO #: N/A			
Project Name: Nederland, CO	Project #: 28022821			
Site:	SSOW#: N/A	111		B Other: 5 NA
	-	Matrix (w-wata, s=solat, s=solat,		
Sample Identification - Client ID (Lab ID)	Sample Date Time (c=comp. Sample Date Time (c=comp.			A Special Instructions/Note:
OUTFALL-001 (280-203061-1)	2/13/25 12:15 G	Water X		
			-	
				-
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 shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica aboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica aboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica above for analyses to accreditation status should be brought to Eurofins TestAmerica aboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica above for analyses to accreditation status should be brought to Eurofins TestAmerica aboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica aboratory 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.	merica places the ownership of method, analyte & accret natrix being analyzed, the samples must be shipped back ant to date, return the signed Chain of Custody attesting t	ditation compliance upon our subcontract laboratories. This s to the Eurofins TestAmerica laboratory or other instructions, o said compliance to Eurofins TestAmerica.	sample shipment is forwarded under chai will be provided. Any changes to accred	n-of-custody. If the laboratory does not currently itation status should be brought to Eurofins
Possible Hazard Identification Unconfirmed		Sample Disposal (A fee may t	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) Return To Client Disposal By Lab Archive For Mon	tained longer than 1 month) Archive For Months
Deliverable Requested: I, II, II, IV, Other (specify)	Primary Deliverable Rank: 2	Special Instructions/QC Requirements		
Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:	
Relinquished by: U. (Curreles CD	Date/Time: 7-14-25 [4:41	Company Received by:	Date/Time:	Company
	Date Time:	Company C Received by:	Date/Time:	Company
	Date/Time:	Company Received by:		25 JUL Company
Custody Seals Intact: Custody Seal No.: △ Yes △ No		Cooler Temperature(s) °C and Other Remarks:	ar Remarks:	1C4
		1 1: 1: 1	7 8 9 1(Ver: 10/10/2024
		1 2 4) D	



Client: Grand Island Resources

Login Number: 203061 List Number: 1 Creator: Roehsner, Karen P

Question	Answer	Comment
Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>True</td> <td></td>	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	

Job Number: 280-203061-1

List Source: Eurofins Denver

Client: Grand Island Resources

Login Number: 203061 List Number: 2 Creator: Pardonner, Brett

Question	Answer	Comment
Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>N/A</td> <td></td>	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	0.0°C IR8
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	

List Source: Eurofins Pensacola

List Creation: 02/15/25 01:12 PM



Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Brooke Molson Moran Grand Island Resources 12567 West Cedar Road Suite 110 Lakewood, Colorado 80228 Generated 3/7/2025 10:41:00 AM

JOB DESCRIPTION

Nederland, CO

JOB NUMBER

280-203668-1

Eurofins Denver 4955 Yarrow Street Arvada CO 80002







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

-B-J

Generated 3/7/2025 10:41:00 AM

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

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Client Sample Results	9
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Definitions/Glossary

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

Glossary		3
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	4
%R	Percent Recovery	
CFL	Contains Free Liquid	5
CFU	Colony Forming Unit	3
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)	8
EDL	Estimated Detection Limit (Dioxin)	
LOD	Limit of Detection (DoD/DOE)	9
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	12
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: 280-203668-1

Eurofins Denver

Job Narrative 280-203668-1

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 2/28/2025 2:38 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 4.2°C.

Receipt Exceptions

The sample collection time was not recorded on the sample containers received. Logged per the COC: OUTFALL 001 (280-203668-1).

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

Sample OUTFALL 001 (280-203668-1) was analyzed for Metals (ICP/MS) - Potentially Dissolved. The sample was prepared on 3/5/2025 and analyzed on 3/5/2025 and 3/6/2025.

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

Sample OUTFALL 001 (280-203668-1) was analyzed for Metals (ICP/MS) - Total Recoverable. The sample was prepared and analyzed on 3/3/2025.

Detection Summary

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

Job ID: 280-203668-1

Client Sample ID: (Client Sample ID: OUTFALL 001						mple ID: 2	280-203668-1
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D Method	Prep Type
Zinc	27		10	5.0	ug/L	1	200.8	Potentially Dissolved

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

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

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
280-203668-1	OUTFALL 001	Water	02/28/25 11:00	02/28/25 14:38

5

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

Client Sample ID: OUTFALL 00 Date Collected: 02/28/25 11:00 Date Received: 02/28/25 14:38						Lab Sam	ple ID: 280-20 Matrix:	3668-1 Water
Analyte	Result Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	ND	2.0	1.0	ug/L		03/03/25 08:51	03/03/25 21:39	1
Lead	ND	1.0	0.50	ug/L		03/03/25 08:51	03/03/25 21:39	1

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

Client Sample ID: OUTFALL 001 Date Collected: 02/28/25 11:00 Date Received: 02/28/25 14:38						Lab Sam	ple ID: 280-20 Matrix	3668-1 : Water
Analyte	Result Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	ND	1.0	0.25	ug/L		03/05/25 08:41	03/05/25 16:22	1
Copper	ND	2.0	1.0	ug/L		03/05/25 08:41	03/05/25 16:22	1
Lead	ND	1.0	0.50	ug/L		03/05/25 08:41	03/05/25 16:22	1
Silver	ND	0.50	0.25	ug/L		03/05/25 08:41	03/05/25 16:22	1
Zinc	27	10	5.0	ug/L		03/05/25 08:41	03/06/25 10:40	1

Analyte

Copper

Analyte

Copper

Analyte

Copper

Lead

Lead

Lead

Method: 200.8 - Metals (ICP/MS)

Lab Sample ID: MB 280-686305/1-A

Client Sample ID: Method Blank

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

Matrix: Water Prep Type: Total Recoverable Analysis Batch: 686482 Prep Batch: 686305 MB MB **Result Qualifier** RL MDL Unit D Prepared Analyzed Dil Fac 2.0 03/03/25 08:51 03/03/25 21:06 ND 1.0 ug/L 1 ND 1.0 0.50 ug/L 03/03/25 08:51 03/03/25 21:06 1 Lab Sample ID: LCS 280-686305/2-A **Client Sample ID: Lab Control Sample** Matrix: Water **Prep Type: Total Recoverable** Analysis Batch: 686482 Prep Batch: 686305 Spike LCS LCS %Rec Added **Result Qualifier** Unit D %Rec Limits 90 - 115 40.0 36.3 ug/L 91 40.0 40.0 100 88 - 115 ug/L Lab Sample ID: LCSD 280-686305/3-A **Client Sample ID: Lab Control Sample Dup Matrix: Water** Prep Type: Total Recoverable Analysis Batch: 686482 **Prep Batch: 686305** Spike LCSD LCSD %Rec RPD Added Result Qualifier Limits RPD Limit Unit D %Rec 40.0 36.5 ug/L 91 90 - 115 1 20 40.0 40 7 102 88 - 115 20 ug/L 2 Lab Sample ID: MB 280-686447/1-B **Client Sample ID: Method Blank Matrix: Water Prep Type: Potentially Dissolved** Analysis Batch: 686785 Prep Batch: 686523 MB MB

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	ND		1.0	0.25	ug/L		03/05/25 08:41	03/05/25 15:45	1
Copper	ND		2.0	1.0	ug/L		03/05/25 08:41	03/05/25 15:45	1
Lead	ND		1.0	0.50	ug/L		03/05/25 08:41	03/05/25 15:45	1
Silver	ND		0.50	0.25	ug/L		03/05/25 08:41	03/05/25 15:45	1
Zinc	ND		10	5.0	ug/L		03/05/25 08:41	03/05/25 15:45	1

Lab Sample ID: LCS 280-686447/10-B Matrix: Water Analysis Batch: 686785

Analysis Batch: 686785							Prep Batch	: 686523
	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Cadmium	40.0	41.6		ug/L		104	89 - 111	
Copper	40.0	41.2		ug/L		103	90 - 115	
Lead	40.0	40.5		ug/L		101	88 - 115	
Silver	40.0	39.8		ug/L		99	90 - 114	
Zinc	40.0	43.9		ug/L		110	88 - 115	

Job ID: 280-203668-1

Metals

Filtration Batch: 686301

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-203668-1	OUTFALL 001	Potentially Dissolvec	Water	Poten_Diss_Met	
rep Batch: 686305					
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batcl
280-203668-1	OUTFALL 001	Total Recoverable	Water	200.8	•
MB 280-686305/1-A	Method Blank	Total Recoverable	Water	200.8	
LCS 280-686305/2-A	Lab Control Sample	Total Recoverable	Water	200.8	
LCSD 280-686305/3-A	Lab Control Sample Dup	Total Recoverable	Water	200.8	
iltration Batch: 6864	447				
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batcl
MB 280-686447/1-B	Method Blank	Potentially Dissolvec	Water	Filtration	•
LCS 280-686447/10-B	Lab Control Sample	Potentially Dissolvec	Water	Filtration	
Analysis Batch: 6864	182				
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batc
280-203668-1	OUTFALL 001	Total Recoverable	Water	200.8	68630
MB 280-686305/1-A	Method Blank	Total Recoverable	Water	200.8	68630
LCS 280-686305/2-A	Lab Control Sample	Total Recoverable	Water	200.8	68630
LCSD 280-686305/3-A	Lab Control Sample Dup	Total Recoverable	Water	200.8	68630
Prep Batch: 686523					
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batc
280-203668-1	OUTFALL 001	Potentially Dissolvec	Water	200.8	68630
MB 280-686447/1-B	Method Blank	Potentially Dissolvec	Water	200.8	68644
LCS 280-686447/10-B	Lab Control Sample	Potentially Dissolvec	Water	200.8	68644
Analysis Batch: 6867	785				
Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batc
280-203668-1	OUTFALL 001	Potentially Dissolvec	Water	200.8	68652
MB 280-686447/1-B	Method Blank	Potentially Dissolvec	Water	200.8	68652
LCS 280-686447/10-B	Lab Control Sample	Potentially Dissolvec	Water	200.8	68652
nalysis Batch: 6868	335				
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batc
280-203668-1	OUTFALL 001	Potentially Dissolvec	Water	200.8	68652

Client Sample ID: OUTFALL 001 Date Collected: 02/28/25 11:00 Date Received: 02/28/25 14:38

Lab Sample ID: 280-203668-1 Matrix: Water

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Potentially Dissolvec	Filtration	Poten_Diss_Met			50 mL	50 mL	686301	02/28/25 15:24	SLH	EET DEN
Potentially Dissolvec	Prep	200.8			50 mL	50 mL	686523	03/05/25 08:41	SLH	EET DEN
Potentially Dissolvec	Analysis	200.8		1			686785	03/05/25 16:22	LMT	EET DEN
Potentially Dissolvec	Filtration	Poten_Diss_Met			50 mL	50 mL	686301	02/28/25 15:24	SLH	EET DEN
Potentially Dissolvec	Prep	200.8			50 mL	50 mL	686523	03/05/25 08:41	SLH	EET DEN
Potentially Dissolvec	Analysis	200.8		1			686835	03/06/25 10:40	LMT	EET DEN
Total Recoverable	Prep	200.8			50 mL	50 mL	686305	03/03/25 08:51	SMK	EET DEN
Total Recoverable	Analysis	200.8		1			686482	03/03/25 21:39	LMT	EET DEN

Laboratory References:

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

Client: Grand Island Resources Project/Site: Nederland, CO Job ID: 280-203668-1

12 13 14

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	_๋ บ	ain of	Chain of Custody Record	dy Re	cord				9	suronns	Environment Testing America
Phone (303) 736-0100 Phone (303) 431-7171											
Client Information	Sampler: BM			Lab PM: Bieniu	Lab PM: Bieniulis, Dylan T		Carrier T	Carrier Tracking No(s):	Ö	COC No:	
Client Contact John Rinko	Phone: 303 6	506-1	618	E-Mail: Dvlan.	Bieniulis@	E-Mail: Dvlan. Bieniulis@et.eurofinsus.com	State of Origin:	Drigin:	ă.	Page:	
Company: Grand Island Resources	,)	PWSID:			Analysis	sis Requested	 	Pr	Job #:	
Address: 12567 West Cedar Drive Suite 110	Due Date Requested:								4	Preservation Codes	
City: Lakewood	TAT Requested (days):								< ⊡ O	A - HCL B - NaOH C - Zn Acetate	M - Hexane N - None O - AsNaO2
State, Zip: CO, 80228	Compliance Project:	🛆 Yes 🛆 No									P - Na204S Q - Na2S03
Phone: (303) 601-9230	PO#:										R - Na2S2O3 S - H2SO4 T - TSP Dodecahvdrate
Email: johnrinko@yahoo.com	:# OM				(0N						U - Acetone V - MCAA
Project Name: Nederland, CO	Project #: 28022821				62 OL					K - EDTA L - EDA	W - pH 4-5 Z - other (specify)
Site: second half of the month event	SSOW#:				r) as	()				Other:	
	<u> </u>	ample		Matrix (w=water, S=solid, O=waste/oil,	M\2M moh	laiyneyo - 8.0 eil yimye dyno Rofal Ked Red Seal Isto (tail jimi			tədmuN ist		
Sample Identification	Sample Date	e –	G=grab) BT=Tissue, A=/ Preservation Code:	(i)	₽а	07 C			01 X	Special Ins	Special Instructions/Note:
MITTAL DOL	aloalor	6	ć							Second half of the	month potentially
	101	202	Ø			<			<u>5</u> 0	dissolved metals pe Pb, Ag, Zn)	dissolved metals permit list = 200.8 (Cd, Cu, Pb, Ag, Zn)
									¥, E	Second half of the netals permit list =	*Second half of the month total recoverable metals permit list = 200.8 (Cu. Pb)
										TEMP	- 5°C
					_					HA	7.8
									~	NO VIS	VISIBLE
						280-203668 Chain of Custody	Custody		V.	SHEEN	J OR
									Labor	FLOATING OI	10 9r
Rossible Hazard Identification					Sample	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)	ay be assesse	d if samples are	retained	longer than 1	month)
aur			Kaalological		Special II	Return 10 Ulent Use Special Instructions/QC Requirements:	UISPOSAI BY LAD quirements:	`	Archive For	e For	Months
Empty Kit Relinquished by:		Date:		±	Time:		Me	Method of Shipment:			
Bennuising by	Date/Time: 2/28/25	2	65.	Company	Receiv	Received by:	2	Date/Time: /	1 150	N. 2.	Company
Relinquished by:	Date/Time:	14:3	8	Company	Received by: Received by:	Received by: JMM Received by:			125	1438	Company Company
Custody Seals Intact: Custody Seal No.: △ Yes △ No			-		Cooler	Cooler Temperature(s) °C and Other Remarks:	Other Remarks:	3921	MCI	CALFO	0
											Ver: 01/16/2019

Eurofins TestAmerica, Denver

Client: Grand Island Resources

Login Number: 203668 List Number: 1 Creator: Roehsner, Karen P

Question	Answer	Comment
Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>True</td> <td></td>	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.	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	

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List Source: Eurofins Denver



Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Brooke Molson Moran Grand Island Resources 12567 West Cedar Road Suite 110 Lakewood, Colorado 80228 Generated 3/25/2025 4:01:34 PM

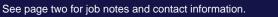
JOB DESCRIPTION

Nederland, CO

JOB NUMBER

280-204343-1

Eurofins Denver 4955 Yarrow Street Arvada CO 80002







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

-B-J

Generated 3/25/2025 4:01:34 PM

5

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

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3

5

Qualifiers

General C	hemistry
Qualifier	Qualifier Description
^+	Continuing Calibration Verification (CCV) 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.

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
SC	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: 280-204343-1

Eurofins Denver

Job Narrative 280-204343-1

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 3/13/2025 3:43 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 2.4°C.

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

Sample OUTFALL-001 (280-204343-1) was analyzed for Metals (ICP) - Total Recoverable. The sample was prepared on 3/14/2025 and analyzed on 3/18/2025.

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

Sample OUTFALL-001 (280-204343-1) was analyzed for Metals (ICP/MS) - Potentially Dissolved. The sample was prepared and analyzed on 3/17/2025.

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

Sample OUTFALL-001 (280-204343-1) was analyzed for Metals (ICP/MS) - Total Recoverable. The sample was prepared on 3/14/2025 and analyzed on 3/17/2025.

Method 245.1 - Mercury (CVAA)

Sample OUTFALL-001 (280-204343-1) was analyzed for Mercury (CVAA). The sample was prepared on 3/21/2025 and analyzed on 3/17/2025 and 3/21/2025.

Method SM 2510B - Conductivity, Specific Conductance

Sample OUTFALL-001 (280-204343-1) was analyzed for Conductivity, Specific Conductance. The sample was analyzed on 3/24/2025.

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

Sample OUTFALL-001 (280-204343-1) was analyzed for Solids, Total Suspended (TSS). The sample was analyzed on 3/19/2025.

Method SM 3500 CR B - Chromium, Hexavalent

Sample OUTFALL-001 (280-204343-1) was analyzed for Chromium, Hexavalent. The sample was analyzed on 3/13/2025.

The following samples in batch 687688 are associated with high failing quality control (QC) samples: OUTFALL-001 (280-204343-1), (CCB 280-687688/16), (CCB1 280-687688/21), (CCB1 280-687688/22), (CCB2 280-687688/31), (CCV 280-687688/15), (CCV1 280-687688/15), (CCV1 280-687688/20), (CCV2 280-687688/30), (ICB 280-687688/7), (ICV 280-687688/6), (LCS 280-687683/1-A), (LCS 280-687688/23), (LCSD 280-687683/2-A), (LCSD 280-687688/24), (MB

Job ID: 280-204343-1 (Continued)

280-687683/3-A), (MB 280-687688/25), (280-204343-E-1 DU), (280-204343-E-1 MS) and (280-204343-E-1 MSD). The initial calibration verification (ICV) and continuing calibration verification (CCV) failed above the upper control limit. All associated samples are a non-detect, therefore, data is being qualified and reported.

Method SM 3500 CR B - Chromium, Hexavalent - Dissolved

Sample OUTFALL-001 (280-204343-1) was analyzed for Chromium, Hexavalent - Dissolved. The sample was analyzed on 3/13/2025.

The following samples in batch 687688 are associated with high failing quality control (QC) samples: OUTFALL-001 (280-204343-1), (CCB 280-687688/16), (CCB1 280-687688/21), (CCB1 280-687688/22), (CCB2 280-687688/31), (CCV 280-687688/15), (CCV1 280-687688/19), (CCV1 280-687688/20), (CCV2 280-687688/30), (ICB 280-687688/7), (ICV 280-687688/6), (LCS 280-687683/1-A), (LCS 280-687688/23), (LCSD 280-687683/2-A), (LCSD 280-687688/24), (MB 280-687688/25), (280-204343-E-1 DU), (280-204343-E-1 MS) and (280-204343-E-1 MSD). The initial calibration verification (ICV) and continuing calibration verification (CCV) failed above the upper control limit. All associated samples are a non-detect, therefore, data is being qualified and reported.

Method SM3500 CR B - Chromium, Trivalent - Potentially Dissolved

Sample OUTFALL-001 (280-204343-1) was analyzed for Chromium, Trivalent - Potentially Dissolved. The sample was analyzed on 3/17/2025 and 3/25/2025.

Method SM3500 CR B - Chromium, Trivalent - Total Recoverable

Sample OUTFALL-001 (280-204343-1) was analyzed for Chromium, Trivalent - Total Recoverable. The sample was analyzed on 3/25/2025.

Method SM 4500 H+ B - pH

Sample OUTFALL-001 (280-204343-1) was analyzed for pH. The sample was analyzed on 3/21/2025.

Method SM 4500 S2 D - Sulfide, Total

Sample OUTFALL-001 (280-204343-1) was analyzed for Sulfide, Total. The sample was analyzed on 3/17/2025.

Method SM4500 S2 H - Unionized Hydrogen Sulfide

Sample OUTFALL-001 (280-204343-1) was analyzed for Unionized Hydrogen Sulfide. The sample was analyzed on 3/19/2025.

Job ID: 280-204343-1

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RL

10

10

2.0

0.1

1.0

1.0

1.0

2.0

MDL Unit

5.0 ug/L

5.0 ug/L

0.1 SU

1.0

1.0 SU

1.0

2.0 umhos/cm

Degrees C

Celsius

2.0 umhos/cm

Result Qualifier

12

19

240

8.0 HF

22.1 HF

8.0

22

240

Analyte

Specific Conductance

pH adj. to 25 deg C

Field Temperature

Specific Conductance

Temperature

Field pH

Zinc

Zinc

Client Sample ID: OUTFALL-001

Lab Sample ID: 280-204343-1

Dil Fac D Method

1

1

1

1

1

1

1

1

200.8

200.8

SM 2510B

SM 4500 H+ B

SM 4500 H+ B

SM4500 S2 H

SM4500 S2 H

SM4500 S2 H

Job ID: 280-204343-1

Prep Type

Potentially Dissolved

Total/NA

Total/NA

Total/NA

Total/NA

Total/NA

Total/NA

Total Recoverable

5
8
9

This Detection Summary does not include radiochemical test results.

Method Summary

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

Job ID: 280-204343-1

Vethod	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
M 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
00.7	Preparation, Total Recoverable Metals	EPA	EET DEN
8.00	Preparation, Total Recoverable Metals	EPA	EET DEN
45.1	Preparation, Mercury	EPA	EET DEN
ILTRATION	Sample Filtration	None	EET DEN
Poten Diss Met	Filtration for Potentially Dissolved Metals	EPA	EET DEN

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

2 3 4 5 6 7

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
280-204343-1	OUTFALL-001	Water	03/13/25 11:30	03/13/25 15:43

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

Client Sample ID: OUTFALL-001 Date Collected: 03/13/25 11:30 Date Received: 03/13/25 15:43							Lab Sam	ple ID: 280-20 Matrix:	
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		100	40	ug/L		03/14/25 15:13	03/18/25 06:15	1

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

Client Sample ID: OUTFAL Date Collected: 03/13/25 1 Date Received: 03/13/25 1	1:30					Lab Sam	ple ID: 280-20 Matrix	4343-1 : Water
Analyte	Result Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND	2.0	0.50	ug/L		03/14/25 15:13	03/17/25 10:32	1
Cadmium	ND	1.0	0.25	ug/L		03/14/25 15:13	03/17/25 10:32	1
Chromium	ND	3.0	1.0	ug/L		03/14/25 15:13	03/17/25 10:32	1
Copper	ND	2.0	1.0	ug/L		03/14/25 15:13	03/17/25 10:32	1
Lead	ND	1.0	0.50	ug/L		03/14/25 15:13	03/17/25 10:32	1
Zinc	12	10	5.0	ug/L		03/14/25 15:13	03/17/25 10:32	1

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

Client Sample ID: OUTFALL-001 Date Collected: 03/13/25 11:30

Date Received: 03/13/25 15:43									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		2.0	0.50	ug/L		03/17/25 08:51	03/17/25 18:05	1
Cadmium	ND		1.0	0.25	ug/L		03/17/25 08:51	03/17/25 18:05	1
Chromium	ND		3.0	1.0	ug/L		03/17/25 08:51	03/17/25 18:05	1
Copper	ND		2.0	1.0	ug/L		03/17/25 08:51	03/17/25 18:05	1
Lead	ND		1.0	0.50	ug/L		03/17/25 08:51	03/17/25 18:05	1
Manganese	ND		3.0	1.5	ug/L		03/17/25 08:51	03/17/25 18:05	1
Nickel	ND		3.0	1.0	ug/L		03/17/25 08:51	03/17/25 18:05	1
Selenium	ND		2.0	0.50	ug/L		03/17/25 08:51	03/17/25 18:05	1
Silver	ND		0.50	0.25	ug/L		03/17/25 08:51	03/17/25 18:05	1
Zinc	19		10	5.0	ug/L		03/17/25 08:51	03/17/25 18:05	1

Method: EPA 245.1 - Mercury (CVAA)

Client Sample ID: OUTFALL-001 Date Collected: 03/13/25 11:30 Date Received: 03/13/25 15:43						Lab Sam	ple ID: 280-20 Matrix:	
Analyte Mercury	Result ND	Qualifier	RL 0.20	MDL 0.060	 <u>D</u>	Prepared 03/21/25 10:57	Analyzed 03/21/25 17:04	Dil Fac

General Chemistry

Client Sample ID: OUTFALL-001 Date Collected: 03/13/25 11:30 Date Received: 03/13/25 15:43							Lab Sam	ple ID: 280-20 Matrix	4343-1 : Water
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (SM 2510B)	240		2.0	2.0	umhos/cm			03/24/25 14:41	1
Total Suspended Solids (SM 2540D)	ND		4.0	1.5	mg/L			03/19/25 10:26	1
Chromium, hexavalent (SM 3500 CR B)	ND	^1+ ^+	20	5.0	ug/L			03/13/25 16:55	1
pH adj. to 25 deg C (SM 4500 H+ B	8.0	HF	0.1	0.1	SU			03/21/25 15:57	1
Temperature (SM 4500 H+ B)	22.1	HF	1.0	1.0	Degrees C			03/21/25 15:57	1

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Lab Sample ID: 280-204343-1 Matrix: Water

RL

1.0

0.050

MDL Unit

0.035 mg/L

1.0 mg/L

D

Prepared

Result Qualifier

ND

ND

General Chemistry (Continued)

Client Sample ID: OUTFALL-001

Date Collected: 03/13/25 11:30

Date Received: 03/13/25 15:43

Un-ionized Hydrogen Sulfide (SM4500

Analyte

S2 H)

B)

Sulfide (SM 4500 S2 D)

Job ID: 280-204343-1

Analyzed

03/17/25 12:48

03/19/25 01:55

Lab Sample ID: 280-204343-1 **Matrix: Water** Dil Fac 1 1

9211)										
Field pH (SM4500 S2 H)	8.0		1.0	1.0	SU			03/19/25 01:55	1	
Field Temperature (SM4500 S2 H)	22		1.0	1.0	Celsius			03/19/25 01:55	1	
Specific Conductance (SM4500 S2 H)	240		2.0	2.0	umhos/cm			03/19/25 01:55	1	8
Sulfide (SM4500 S2 H)	ND		1.0	1.0	mg/L			03/19/25 01:55	1	
General Chemistry - Total R	ecovera	ıble								9
Client Sample ID: OUTFALL-001							Lab Sam	ple ID: 280-20	4343-1	
Date Collected: 03/13/25 11:30								Matrix:	Water	
Date Received: 03/13/25 15:43										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chromium, trivalent (SM3500 CR B)	ND		3.0	3.0	ug/L			03/25/25 13:46	1	
General Chemistry - Dissolv	ved									13
Client Sample ID: OUTFALL-001							Lab Sam	ple ID: 280-20	4343-1	4 /
Date Collected: 03/13/25 11:30								Matrix	Water	
Date Received: 03/13/25 15:43										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chromium, hexavalent (SM 3500 CR	ND	^1+ ^+	20	5.0	ug/L			03/13/25 16:51	1	

General Chemistry - Potentially Dissolved

Client Sample ID: OUTFALL-00 Date Collected: 03/13/25 11:30 Date Received: 03/13/25 15:43							Lab San	nple ID: 280-20 Matrix	4343-1 : Water
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, trivalent (dissolved) (SM3500 CR B)	ND		3.0	3.0	ug/L			03/25/25 13:46	1

QC Sample Results

Job ID: 280-204343-1

Method: 200.7 Rev 4.4 - Metals (ICP)

Lab Sample ID: MB 280-6876 Matrix: Water Analysis Batch: 688118		МВ						C		ole ID: Method e: Total Reco Prep Batch:	verable
Analyte		Qualifier		RL	r	/IDL Uni	t	D	Prepared	Analyzed	Dil Fac
Iron	ND			100		40 ug/l		_ 0	3/14/25 15:13	03/18/25 05:48	1
Lab Sample ID: LCS 280-687	687/2-A						Cli	ent S	Sample ID:	Lab Control	Sample
Matrix: Water									Prep Type	e: Total Reco	verable
Analysis Batch: 688118										Prep Batch:	687687
-			Spike		LCS	LCS				%Rec	
Analyte			Added	F	Result	Qualifier	· Unit		D %Rec	Limits	
Iron			10000		9750		ug/L		97	85 - 115	

Method: 200.8 - Metals (ICP/MS)

Lab Sample ID: MB 280-687687/1-A **Matrix: Water** Analysis Batch: 687958

	MB	MB								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Arsenic	ND		2.0	0.50	ug/L		03/14/25 15:13	03/17/25 10:13	1	
Cadmium	ND		1.0	0.25	ug/L		03/14/25 15:13	03/17/25 10:13	1	
Chromium	ND		3.0	1.0	ug/L		03/14/25 15:13	03/17/25 10:13	1	
Copper	ND		2.0	1.0	ug/L		03/14/25 15:13	03/17/25 10:13	1	
Lead	ND		1.0	0.50	ug/L		03/14/25 15:13	03/17/25 10:13	1	
Zinc	ND		10	5.0	ua/L		03/14/25 15:13	03/17/25 10:13	1	

Lab Sample ID: LCS 280-687687/24-A Matrix: Water Analysis Batch: 687958

Prep Type: Total Recoverable

Prep Batch: 687687

Client Sample ID: Lab Control Sample Prep Type: Total Recoverable Prep Batch: 687687

Client Sample ID: Method Blank Prep Type: Potentially Dissolved

Prep Batch: 687854

· · · · · · · · · · · · · · · · · · ·	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Arsenic	40.0	37.6		ug/L		94	89 - 111	
Cadmium	40.0	40.3		ug/L		101	89 - 111	
Chromium	40.0	37.9		ug/L		95	86 - 115	
Copper	40.0	38.0		ug/L		95	90 - 115	
Lead	40.0	40.2		ug/L		100	88 - 115	
Zinc	40.0	37.5		ug/L		94	88 - 115	

Lab Sample ID: MB 280-687853/1-B **Matrix: Water**

Analysis Batch: 688056

	MB	MB								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Arsenic	ND		2.0	0.50	ug/L		03/17/25 08:51	03/17/25 17:39	1	
Cadmium	ND		1.0	0.25	ug/L		03/17/25 08:51	03/17/25 17:39	1	
Chromium	ND		3.0	1.0	ug/L		03/17/25 08:51	03/17/25 17:39	1	
Copper	ND		2.0	1.0	ug/L		03/17/25 08:51	03/17/25 17:39	1	
Lead	ND		1.0	0.50	ug/L		03/17/25 08:51	03/17/25 17:39	1	
Manganese	ND		3.0	1.5	ug/L		03/17/25 08:51	03/17/25 17:39	1	
Nickel	ND		3.0	1.0	ug/L		03/17/25 08:51	03/17/25 17:39	1	
Silver	ND		0.50	0.25	ug/L		03/17/25 08:51	03/17/25 17:39	1	
Zinc	ND		10	5.0	ug/L		03/17/25 08:51	03/17/25 17:39	1	

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

Lab Sample ID: MB 280-687853/1-B **Client Sample ID: Method Blank Matrix: Water Prep Type: Potentially Dissolved** Analysis Batch: 688108 Prep Batch: 687854 MB MB Analyte **Result Qualifier** RL MDL Unit D Prepared Analyzed Dil Fac 2.0 0.50 ug/L 03/17/25 08:51 03/18/25 10:08 Selenium ND 1 Lab Sample ID: LCS 280-687853/2-B **Client Sample ID: Lab Control Sample Matrix: Water Prep Type: Potentially Dissolved** Analysis Batch: 688056 Prep Batch: 687854 Spike LCS LCS %Rec Analyte Added Result Qualifier Unit D %Rec Limits 40.0 Arsenic 39.1 ug/L 98 89 - 111 Cadmium 40.0 42.1 ug/L 105 89 - 111 40.0 Chromium 38.2 ug/L 96 86 - 115 Copper 40.0 39.0 ug/L 97 90 - 115 Lead 40.0 38.5 ug/L 96 88 - 115 ug/L 40.0 104 87 - 115 Manganese 41.7 Nickel 40.0 39.5 ug/L 99 86 - 115 Selenium 40.0 41.4 85 - 114 ug/L 104 Silver 40.0 39.8 ug/L 99 90 - 114 Zinc 40.0 38.6 ug/L 96 88 - 115

Method: 245.1 - Mercury (CVAA)

Lab Sample ID: MB 280-6885	82/1-A							Cli	ent Samp	ole ID: Metho	d Blank
Matrix: Water										Prep Type: T	otal/NA
Analysis Batch: 688723										Prep Batch:	688582
-	MB	MB									
Analyte	Result	Qualifier		RL	N	IDL Unit		D F	Prepared	Analyzed	Dil Fa
Mercury	ND			0.20	0.	060 ug/L		03/2	21/25 10:57	03/21/25 15:31	
e de la construcción de la constru											
Lab Sample ID: LCS 280-688	582/2-A						Clie	nt Sa	mple ID:	Lab Control	Sample
-	582/2-A						Clie	nt Sa	mple ID:	Lab Control S Prep Type: T	
Lab Sample ID: LCS 280-6885 Matrix: Water Analysis Batch: 688723	582/2-A						Clie	nt Sa	mple ID:	Prep Type: T	otal/NA
-	582/2-A		Spike		LCS	LCS	Clie	nt Sa	mple ID:		otal/NA
Matrix: Water	582/2-A		Spike Added	F	-	LCS Qualifier	Clie Unit	nt Sa D	·	Prep Type: T Prep Batch:	otal/NA

Method: SM 2510B - Conductivity, Specific Conductance

Lab Sample ID: MB 280-688851/4 Matrix: Water Analysis Batch: 688851									Clie	ent Sam	ple ID: Method Prep Type: T	
-	МВ	МВ										
Analyte	Result	Qualifier		RL	I	MDL	Unit	[D P	repared	Analyzed	Dil Fac
Specific Conductance	ND			2.0		2.0	umho	s/cm			03/24/25 14:41	1
Lab Sample ID: LCS 280-688851/3 Matrix: Water Analysis Batch: 688851								Clie	nt Sa	mple ID	Lab Control : Prep Type: T	
· · · · · , · · · · · · · · · · · · · · · · · · ·			Spike		LCS	LCS					%Rec	
Analyte			Added		Result	Qua	lifier	Unit	D	%Rec	Limits	
Specific Conductance			1410		1420			umhos/cr	n –	101	90 - 110	

QC Sample Results

Job ID: 280-204343-1

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

Lab Sample ID: MB 280-688276	/1								c	lie	nt Sam	ple ID: M	ethod	Blan
Matrix: Water												Prep Ty		
Analysis Batch: 688276														
		MB	MB											
Analyte	Re	sult	Qualifier		RL	I	MDL Unit		D	Pr	epared	Analyz	ed	Dil Fa
Total Suspended Solids		ND			4.0		1.5 mg/L					03/19/25	10:26	
Lab Sample ID: LCS 280-688276	6/2							CI	ient S	San	nple ID:	Lab Con	trol S	ampl
Matrix: Water												Prep Ty		
Analysis Batch: 688276														
				Spike		LCS	LCS					%Rec		
Analyte				Added		Result	Qualifier	Unit		D	%Rec	Limits		
Total Suspended Solids				501		498		mg/L		_	99	79_114		
Method: SM 3500 CR B - Ch Lab Sample ID: MB 280-687688/ Matrix: Water		ium,	Hexav	valent					C	lie	nt Sam	ple ID: Me Prep Ty		
Analysis Batch: 687688														
A		MB							_	-		A		D'I F.
Analyte	Re		Qualifier		RL	I	MDL Unit		<u>D</u>	Pr	epared	Analyz		Dil Fa
Chromium, hexavalent		ND	^1+ ^+		20		5.0 ug/L					03/13/25	16:54	
Lab Sample ID: LCS 280-687688 Matrix: Water	3/23							CI	ient S	San	nple ID:	Lab Con Prep Ty		
Analysis Batch: 687688														
				Spike		-	LCS					%Rec		
Analyte				Added			Qualifier	Unit		D	%Rec	Limits		
Chromium, hexavalent				100		104	^1+ ^+	ug/L			104	85 - 115		
Lab Sample ID: LCSD 280-6876 Matrix: Water	88/24						(Client S	Samp	le	ID: Lab	Control S Prep Ty		
Analysis Batch: 687688														
				Spike		LCSD						%Rec		
				Added		Result	Qualifier	Unit		D	%Rec	Limits	RPD	Lim
						Result		Unit ug/L		D	%Rec 101		RPD	Lim
Chromium, hexavalent	 S			Added		Result	Qualifier			_	101	Limits 85 - 115	4	Lim
Chromium, hexavalent Lab Sample ID: 280-204343-1 M	S			Added		Result	Qualifier		 C	_	101	Limits 85 - 115	4 JTFAI	Lim 2 LL-00
Chromium, hexavalent Lab Sample ID: 280-204343-1 M Matrix: Water	S			Added		Result	Qualifier		 C	_	101	Limits 85 - 115	4 JTFAI	Lim 2 L L-00
Chromium, hexavalent Lab Sample ID: 280-204343-1 M Matrix: Water Analysis Batch: 687688		Sam	ple	Added 100		Result 101	Qualifier		C	_	101	Limits 85 - 115	4 JTFAI	Lim 2 L L-00
Chromium, hexavalent Lab Sample ID: 280-204343-1 M Matrix: Water Analysis Batch: 687688	Sample			Added 100 Spike		Result 101 MS	Qualifier ^1+ ^+	ug/L	C	_	101 nt Sam	Limits 85 - 115 ple ID: OI Prep Ty %Rec	4 JTFAI	2 L L-00
Chromium, hexavalent Lab Sample ID: 280-204343-1 M Matrix: Water Analysis Batch: 687688 S Analyte	Sample Result		ifier	Added 100		Result 101 MS Result	Qualifier			_	101	Limits 85 - 115 ple ID: OI Prep Ty	4 JTFAI	Lim 2 L L-00
Chromium, hexavalent Lab Sample ID: 280-204343-1 M Matrix: Water Analysis Batch: 687688 Analyte Chromium, hexavalent Lab Sample ID: 280-204343-1 M	Sample Result ND	Qual	ifier	Added 100 Spike Added		Result 101 MS Result	Qualifier ^1+ ^+ MS Qualifier	ug/L		_ lie D	101 nt Sam %Rec 104	Limits 85-115 Ple ID: Of Prep Ty %Rec Limits 85-115 ple ID: Of	JTFAI pe: To JTFAI	Lim 2 LL-00 otal/N
Chromium, hexavalent Lab Sample ID: 280-204343-1 M Matrix: Water Analysis Batch: 687688 S Analyte Chromium, hexavalent Lab Sample ID: 280-204343-1 M Matrix: Water	Sample Result ND	Qual	ifier	Added 100 Spike Added		Result 101 MS Result	Qualifier ^1+ ^+ MS Qualifier	ug/L		_ lie D	101 nt Sam %Rec 104	Limits 85 - 115 Ple ID: Of Prep Ty %Rec Limits 85 - 115	JTFAI pe: To JTFAI	Lim 2 LL-00 otal/N
Chromium, hexavalent Lab Sample ID: 280-204343-1 M Matrix: Water Analysis Batch: 687688 S Analyte Chromium, hexavalent Lab Sample ID: 280-204343-1 M Matrix: Water Analysis Batch: 687688	Sample Result ND	Qual	ifier \+	Added 100 Spike Added		Result 101 MS Result 104	Qualifier ^1+ ^+ MS Qualifier	ug/L		_ lie D	101 nt Sam %Rec 104	Limits 85-115 Ple ID: Of Prep Ty %Rec Limits 85-115 ple ID: Of	JTFAI pe: To JTFAI	Lim 2 LL-00 otal/N/
Matrix: Water Analysis Batch: 687688 Analyte Chromium, hexavalent Lab Sample ID: 280-204343-1 M Matrix: Water Analysis Batch: 687688	Sample Result ND	Qual ^1+ /	ifier	Added 100 Spike Added 100		Result 101 MS Result 104	Qualifier ^1+ ^+ MS Qualifier ^1+ ^+	ug/L		_ lie D	101 nt Sam %Rec 104	Limits 85 - 115 Ple ID: Of Prep Ty %Rec Limits 85 - 115 Ple ID: Of Prep Ty	JTFAI pe: To JTFAI	Lim 2 LL-00 otal/NJ LL-00 otal/NJ RP

QC Sample Results

Job ID: 280-204343-1

Method: SM 3500 CR B - Chromium, Hexavalent (Continued)

Lab Sample ID: 280-204343-1 Matrix: Water													
	1 DU								CI	ient Sarr	ple ID: OUTF Prep Type:		
Analysis Batch: 687688													
-	Sample	Sam	nple			DU	DU					R	PD
Analyte	Result						Qualifier	Unit	D)	R	PD Lii	mit
Chromium, hexavalent	ND	^1+	^+			ND	^1+ ^+	ug/L					20
_ Lab Sample ID: MB 280-6876 Matrix: Water	683/3-A								СІ	ient San	nple ID: Metho Prep Type: D		
Analysis Batch: 687688													
		MB	MB										
Analyte			Qualifier		RL	I	MDL Unit		D	Prepared	Analyzed	Dil F	Fac
Chromium, hexavalent		ND	^1+ ^+		20		5.0 ug/L				03/13/25 16:3	1	1
Lab Sample ID: LCS 280-687	683/1_A							Cli	ont S	amplo ID	: Lab Control	Same	
Matrix: Water	003/1-A							CII	ent Se		Prep Type: D		
											Fieh Type. D	155010	eu
Analysis Batch: 687688				Spike		1.09	LCS				%Rec		
Analyta				•		-		11	-	0/ Dee			
Analyte				Added			Qualifier ^1+ ^+	Unit	[Limits		
Chromium, hexavalent				100		100	~1+ ^+	ug/L		100	85 - 115		
Lab Sample ID: LCSD 280-68 Matrix: Water	37683/2-A						C	lient S	Sample	e ID: Lat	o Control San Prep Type: D		
Analysis Batch: 687688													
				Spike		LCSD	LCSD				%Rec	R	PD
Analyte				Added		Result	Qualifier	Unit	D	%Rec	Limits R	PD Lii	mit
Chromium, hexavalent				100		99.8	^1+ ^+	ug/L		100	85 - 115	0	20
	nLl												
Method: SM 4500 H+ B -)	рп												
Method: SM 4500 H+ B - Lab Sample ID: LCS 280-688	-							Cli	ent Sa	ample ID	: Lab Control	Samp	Je
	-							Cli	ent Sa	ample ID	: Lab Contro Prep Type:		
Lab Sample ID: LCS 280-688	-							Cli	ent Sa	ample ID			
Lab Sample ID: LCS 280-688 Matrix: Water	-			Spike		LCS	LCS	Cli	ent Sa	ample ID			
Lab Sample ID: LCS 280-688 Matrix: Water Analysis Batch: 688713 Analyte	-			Added		Result	LCS Qualifier	Unit	ent Sa		Prep Type: %Rec Limits		
Lab Sample ID: LCS 280-688 Matrix: Water Analysis Batch: 688713	-			•		-					Prep Type: %Rec		
Lab Sample ID: LCS 280-688 Matrix: Water Analysis Batch: 688713 Analyte	9713/4	Tot		Added		Result		Unit		%Rec	Prep Type: %Rec Limits		
Lab Sample ID: LCS 280-688 Matrix: Water Analysis Batch: 688713 Analyte pH adj. to 25 deg C Method: SM 4500 S2 D - S	Sulfide,	Tot	tal	Added		Result		Unit	<u>C</u>	%Rec 100	Prep Type: %Rec Limits 99 - 101	Total/h	NA
Lab Sample ID: LCS 280-688 Matrix: Water Analysis Batch: 688713 Matrix: Vater Method: SM 4500 S2 D - S Lab Sample ID: MB 280-6879 Matrix: Water	Sulfide,	Tot		Added		Result		Unit	<u>C</u>	%Rec 100	Prep Type: %Rec Limits	Total/N	NA
Lab Sample ID: LCS 280-688 Matrix: Water Analysis Batch: 688713 Malyte pH adj. to 25 deg C Method: SM 4500 S2 D - 3 Lab Sample ID: MB 280-6879	Sulfide,	Τοι		Added		Result		Unit	<u>C</u>	%Rec 100	Prep Type: %Rec Limits 99 - 101	Total/N	NA
Lab Sample ID: LCS 280-688 Matrix: Water Analysis Batch: 688713 Matrix: Vater Method: SM 4500 S2 D - S Lab Sample ID: MB 280-6879 Matrix: Water	Sulfide,		tal	Added		Result		Unit	<u>C</u>	%Rec 100	Prep Type: %Rec Limits 99 - 101	Total/N	NA
Lab Sample ID: LCS 280-688 Matrix: Water Analysis Batch: 688713 Matrix: Vater Method: SM 4500 S2 D - S Lab Sample ID: MB 280-6879 Matrix: Water	Sulfide,	мв		Added	RL	Result 7.0		Unit	[%Rec 100	Prep Type: %Rec Limits 99 - 101	Total/N	NA nk NA
Lab Sample ID: LCS 280-688 Matrix: Water Analysis Batch: 688713 Malyte pH adj. to 25 deg C Method: SM 4500 S2 D - S Lab Sample ID: MB 280-6879 Matrix: Water Analysis Batch: 687994	Sulfide,	мв	МВ	Added 7.00	RL 0.050	Result 7.0	Qualifier	Unit	[ient San	Prep Type: %Rec Limits 99 - 101 ople ID: Metho Prep Type:	Total/N od Bla Total/N 	NA nk NA
Lab Sample ID: LCS 280-688 Matrix: Water Analysis Batch: 688713 <u>Analyte</u> pH adj. to 25 deg C Method: SM 4500 S2 D - 3 Lab Sample ID: MB 280-6879 Matrix: Water Analysis Batch: 687994 <u>Analyte</u> Sulfide Lab Sample ID: LCS 280-687	Sulfide, 994/11	MB sult	МВ	Added 7.00		Result 7.0	Qualifier MDL Unit	Unit SU	CI	ient San	Prep Type: %Rec Limits 99 - 101 Apple ID: Methor Prep Type: Analyzed 03/17/25 12:4 Charles Control	Total/N	NA Ink NA Fac 1 ole
Lab Sample ID: LCS 280-688 Matrix: Water Analysis Batch: 688713 Malyte pH adj. to 25 deg C Method: SM 4500 S2 D - 3 Lab Sample ID: MB 280-6879 Matrix: Water Analysis Batch: 687994 Analyte Sulfide Lab Sample ID: LCS 280-687 Matrix: Water	Sulfide, 994/11	MB sult	МВ	Added 7.00		Result 7.0	Qualifier MDL Unit	Unit SU	CI	ient San	Prep Type: %Rec Limits 99 - 101 ople ID: Methor Prep Type: Analyzed 03/17/25 12:4	Total/N	NA Ink NA Fac 1 ole
Lab Sample ID: LCS 280-688 Matrix: Water Analysis Batch: 688713 <u>Analyte</u> pH adj. to 25 deg C Method: SM 4500 S2 D - 3 Lab Sample ID: MB 280-6879 Matrix: Water Analysis Batch: 687994 <u>Analyte</u> Sulfide Lab Sample ID: LCS 280-687	Sulfide, 994/11	MB sult	МВ	Added 7.00		Result 7.0	Qualifier MDL Unit	Unit SU	CI	ient San	Prep Type: %Rec Limits 99 - 101 Apple ID: Methor Prep Type: Analyzed 03/17/25 12:4 Charles Control Prep Type:	Total/N	NA Ink NA Fac 1 ole
Lab Sample ID: LCS 280-688 Matrix: Water Analysis Batch: 688713 Malyte pH adj. to 25 deg C Method: SM 4500 S2 D - 3 Lab Sample ID: MB 280-6879 Matrix: Water Analysis Batch: 687994 Analyte Sulfide Lab Sample ID: LCS 280-687 Matrix: Water	Sulfide, 994/11	MB sult	МВ	Added 7.00		Result 7.0	Qualifier MDL Unit	Unit SU	CI	e <u>%Rec</u> 100 ient San Prepared	Prep Type: %Rec Limits 99 - 101 Apple ID: Methor Prep Type: Analyzed 03/17/25 12:4 Charles Control	Total/N	NA Ink NA Fac 1 ole

Job ID: 280-204343-1

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

Lab Sample ID: LCSD 280- Matrix: Water Analysis Batch: 687994	687994/10				C	Client S	ample	ID: Lat	Control Prep Ty		
Analysis Baton: 007004			Spike	LCSD	LCSD				%Rec		RPD
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Sulfide			0.500	0.532		mg/L		106	81 - 122	9	10
Lab Sample ID: 280-204343 Matrix: Water Analysis Batch: 687994	3-1 MS						Clie	ent Sam	ple ID: O Prep Ty		
· · · · · , · · · · · · · · · · · · · · · · · · ·	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Sulfide	ND		0.500	0.572		mg/L		114	81 - 122		
Lab Sample ID: 280-204343 Matrix: Water Analysis Batch: 687994	8-1 MSD						Clie	ent Sam	ple ID: O Prep Ty		
-	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Sulfide	ND		0.500	0.612		mg/L		122	81 - 122	7	10

QC Association Summary

Job ID: 280-204343-1

Metals

Prep Batch: 687687

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-204343-1	OUTFALL-001	Total Recoverable	Water	200.8	
MB 280-687687/1-A	Method Blank	Total Recoverable	Water	200.8	
LCS 280-687687/24-A	Lab Control Sample	Total Recoverable	Water	200.8	
LCS 280-687687/2-A	Lab Control Sample	Total Recoverable	Water	200.8	
Filtration Batch: 687	853				
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-204343-1	OUTFALL-001	Potentially Dissolvec	Water	Poten_Diss_Met	
MB 280-687853/1-B	Method Blank	Potentially Dissolvec	Water	Poten_Diss_Met	
LCS 280-687853/2-B	Lab Control Sample	Potentially Dissolvec	Water	Poten_Diss_Met	
Prep Batch: 687854					
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-204343-1	OUTFALL-001	Potentially Dissolvec	Water	200.8	687853
MB 280-687853/1-B	Method Blank	Potentially Dissolvec	Water	200.8	687853
LCS 280-687853/2-B	Lab Control Sample	Potentially Dissolvec	Water	200.8	687853
Analysis Batch: 6879	958				
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-204343-1	OUTFALL-001	Total Recoverable	Water	200.8	687687
MB 280-687687/1-A	Method Blank	Total Recoverable	Water	200.8	687687
LCS 280-687687/24-A	Lab Control Sample	Total Recoverable	Water	200.8	687687
Analysis Batch: 6880)56				
Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
280-204343-1	OUTFALL-001	Potentially Dissolvec	Water	200.8	687854
MB 280-687853/1-B	Method Blank	Potentially Dissolvec	Water	200.8	687854
LCS 280-687853/2-B 	Lab Control Sample	Potentially Dissolvec	Water	200.8	687854
Analysis Batch: 6881	108				
Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
MB 280-687853/1-B	Method Blank	Potentially Dissolvec	Water	200.8	687854
Analysis Batch: 6881	118				
Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
280-204343-1	OUTFALL-001	Total Recoverable	Water	200.7 Rev 4.4	687687
MB 280-687687/1-A	Method Blank	Total Recoverable	Water	200.7 Rev 4.4	687687
LCS 280-687687/2-A	Lab Control Sample	Total Recoverable	Water	200.7 Rev 4.4	687687
Prep Batch: 688582					
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-204343-1	OUTFALL-001	Total/NA	Water	245.1	
MB 280-688582/1-A	Method Blank	Total/NA	Water	245.1	
LCS 280-688582/2-A	Lab Control Sample	Total/NA	Water	245.1	
Analysis Batch: 6887	723				
Lab Sample ID	Client Sample ID		Matrix	Method	Prep Batch
280-204343-1	OUTFALL-001	Total/NA	Water	245.1	688582
MB 280-688582/1-A	Method Blank	Total/NA	Water	245.1	688582
LCS 280-688582/2-A	Lab Control Sample	Total/NA	Water	245.1	688582

QC Association Summary

General Chemistry

Filtration Batch: 687683

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-204343-1	OUTFALL-001	Dissolved	Water	FILTRATION	
1B 280-687683/3-A	Method Blank	Dissolved	Water	FILTRATION	
.CS 280-687683/1-A	Lab Control Sample	Dissolved	Water	FILTRATION	
CSD 280-687683/2-A	Lab Control Sample Dup	Dissolved	Water	FILTRATION	
nalysis Batch: 6876	88				
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-204343-1	OUTFALL-001	Dissolved	Water	SM 3500 CR B	687683
280-204343-1	OUTFALL-001	Total/NA	Water	SM 3500 CR B	
MB 280-687683/3-A	Method Blank	Dissolved	Water	SM 3500 CR B	687683
MB 280-687688/25	Method Blank	Total/NA	Water	SM 3500 CR B	
_CS 280-687683/1-A	Lab Control Sample	Dissolved	Water	SM 3500 CR B	687683
LCS 280-687688/23	Lab Control Sample	Total/NA	Water	SM 3500 CR B	
LCSD 280-687683/2-A	Lab Control Sample Dup	Dissolved	Water	SM 3500 CR B	687683
LCSD 280-687688/24	Lab Control Sample Dup	Total/NA	Water	SM 3500 CR B	
280-204343-1 MS	OUTFALL-001	Total/NA	Water	SM 3500 CR B	
280-204343-1 MSD	OUTFALL-001	Total/NA	Water	SM 3500 CR B	
280-204343-1 DU	OUTFALL-001	Total/NA	Water	SM 3500 CR B	
nalysis Batch: 6879	94				
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-204343-1	OUTFALL-001	Total/NA	Water	SM 4500 S2 D	
MB 280-687994/11	Method Blank	Total/NA	Water	SM 4500 S2 D	
LCS 280-687994/9	Lab Control Sample	Total/NA	Water	SM 4500 S2 D	
LCSD 280-687994/10	Lab Control Sample Dup	Total/NA	Water	SM 4500 S2 D	
280-204343-1 MS	OUTFALL-001	Total/NA	Water	SM 4500 S2 D	
280-204343-1 MSD	OUTFALL-001	Total/NA	Water	SM 4500 S2 D	
nalysis Batch: 6882	23				
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-204343-1	OUTFALL-001	Total/NA	Water	SM4500 S2 H	
nalysis Batch: 6882	276				
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-204343-1	OUTFALL-001	Total/NA	Water	SM 2540D	
MB 280-688276/1	Method Blank	Total/NA	Water	SM 2540D	
LCS 280-688276/2	Lab Control Sample	Total/NA	Water	SM 2540D	
nalysis Batch: 6887	'13				
Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batc
280-204343-1	OUTFALL-001	Total/NA	Water	SM 4500 H+ B	
LCS 280-688713/4	Lab Control Sample	Total/NA	Water	SM 4500 H+ B	
nalysis Batch: 6888					
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batcl
280-204343-1	OUTFALL-001	Total/NA	Water	SM 2510B	
MB 280-688851/4	Method Blank	Total/NA	Water	SM 2510B	
LCS 280-688851/3	Lab Control Sample	Total/NA	Water	SM 2510B	

Job ID: 280-204343-1

10

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

General Chemistry

Analysis Batch: 689001

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-204343-1	OUTFALL-001	Potentially Dissolvec	Water	SM3500 CR B	
280-204343-1	OUTFALL-001	Total Recoverable	Water	SM3500 CR B	

Client Sample ID: OUTFALL-001 Date Collected: 03/13/25 11:30 Date Received: 03/13/25 15:43

Lab Sample ID: 280-204343-1 Matrix: Water

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total Recoverable	Prep	200.8			50 mL	50 mL	687687	03/14/25 15:13	AMH	EET DEN
Total Recoverable	Analysis	200.7 Rev 4.4		1			688118	03/18/25 06:15	ADL	EET DEN
Potentially Dissolvec	Filtration	Poten_Diss_Met			50 mL	50 mL	687853	03/14/25 21:13	CAF	EET DEN
Potentially Dissolvec	Prep	200.8			50 mL	50 mL	687854	03/17/25 08:51	CAF	EET DEN
Potentially Dissolvec	Analysis	200.8		1			688056	03/17/25 18:05	LMT	EET DEN
Total Recoverable	Prep	200.8			50 mL	50 mL	687687	03/14/25 15:13	AMH	EET DEN
Total Recoverable	Analysis	200.8		1			687958	03/17/25 10:32	LMT	EET DEN
Total/NA	Prep	245.1			30 mL	50 mL	688582	03/21/25 10:57	AES	EET DEN
Total/NA	Analysis	245.1		1			688723	03/21/25 17:04	AES	EET DEN
Total/NA	Analysis	SM 2510B		1			688851	03/24/25 14:41	EL	EET DEN
Total/NA	Analysis	SM 2540D		1	250 mL	250 mL	688276	03/19/25 10:26	BRD	EET DEN
Dissolved	Filtration	FILTRATION			1.0 mL	1.0 mL	687683	03/13/25 16:25	AKF	EET DEN
Dissolved	Analysis	SM 3500 CR B		1	2 mL	2 mL	687688	03/13/25 16:51	ABW	EET DEN
Total/NA	Analysis	SM 3500 CR B		1	2 mL	2 mL	687688	03/13/25 16:55	ABW	EET DEN
Total/NA	Analysis	SM 4500 H+ B		1			688713	03/21/25 15:57	EL	EET DEN
Total/NA	Analysis	SM 4500 S2 D		1	2 mL	2 mL	687994	03/17/25 12:48	AKF	EET DEN
Potentially Dissolvec	Analysis	SM3500 CR B		1			689001	03/25/25 13:46	RMS	EET DEN
Total Recoverable	Analysis	SM3500 CR B		1			689001	03/25/25 13:46	RMS	EET DEN
Total/NA	Analysis	SM4500 S2 H		1			688223	03/19/25 01:55	P1B	EET DEN

Laboratory References:

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

Laboratory: Eurofins Denver

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

uthority	Progra	am	Identification Number	Expiration Date
Dregon	NELAI	ס	4025	01-08-26
0,	s are included in this repo does not offer certification		not certified by the governing authori	ty. This list may include analytes
Analysis Method	Prep Method	Matrix	Analyte	
SM 4500 H+ B		Water	Temperature	
SM3500 CR B		Water	Chromium, trivalent	
SM3500 CR B		Water	Chromium, trivalent (diss	olved)
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 Sul	C 1

> 12 13 14

Eurofins TestAmerica, Denver 4955 Yarrow Street Arvada, CO 80002 Phone (303) 736-0100 Phone (303) 431-7171	Chain of Cu	Custody Record	ord		🔆 eurofins _{Envi}	Environment Testing America
		Lab PM: Discription Dylan		Carrier Tracking No(s):	COC No:	
Citent intornation Clent Contact: John Rinko	エー	E-Mail: Dvlan Biel	E-Mail: E-Mail: Dvlan. Bieniulis@et.eurofinsus.com	State of Origin:	Page:	
Company: Grand Island Recontroes	PWSID:		<u></u>	Reguested	Job #:	
Address: 17567 West Cedar Drive Suite 110	Due Date Requested:		<u>А</u> ип: цзи			
City: Lakewood	TAT Requested (days):		(LAB bəzind om ədf		A - HCL M - H B - NaOH N - N C - Zn Acetate O - As	M - Hexane N - None O - AsNaO2
State, Zip: CO, 80228	Compliance Project: Δ Yes Δ No		s. Cr6+) - Unio			204S 2S03 2S03
Phone: (303) 601-9230	HO #	(c	8 - Dis: + (calc) - S2_H (First			SO4 SO4 P Dodecahydrate
Email: johnrinko@yahoo.com	#OM		e, 254(51	I - Ice J - DI Water	U - Acetone V - MCAA
Project Name: Nederland, CO	Project #: 28022821	Contraction of the local	uctanc e and 5 ; & Pl e and 5 ; ; ; ; ; ; ; ;		K - EDA L - EDA	1 4-5 ler (specify)
Site: First half of the month event	SSOW#:	CREAT SOLLARS	c Cond (23) (Cal (23) (Cal (23) (23) (23) (23) (23) (23) (23) (23)		Other:	
	0	Matrix (w=water, s=solid, 0=waste/oil,	108 - Specific 108 - Specific 108 - Specific 118, 17 Cr 118, 17 Cr 14500_52 D 100 - Potentia 100 - Potentia 101 / 200.8 / 2 101 / 2 10 / 2	edmuM list		
Sample Identification	Sample Date Time G=gral	BT=Tissue, A=Air) IL Ition Code: X	D 500 D 500 D 600 D 500 D 500		Special Instructions/Note:	ions/Note:
0.17EAL	D3/12/2012/2012/0	Z	XXX	5	*First half of the month potentially dissolved metals permit list = 200.8 (As. Cd. Cr. Cu.	itentially dissolved (As. Cd. Cr. Cu.
					6	
					*First half of the month total recoverable metals permit list = 200.7 (Fe), 200.8 (As,	tal recoverable (Fe), 200.8 (As,
					Cd, Cr, Cu, Pb, Zn), and	245.1 (Hg)
					Lab - log both 3500 CR B Hexavalent Chromium method chains	3 Hexavalent *
					Temp = 5'	
					PH= 7.9	
					med visit	5
			280 2013 43 Chair of Guilt 41			No (incle one)
					If oil sheen abserved in disc	A observed in dischalinge,
Possible Hazard Identification	[Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)	I I I I I I I I I I I I I I I I I I I	ned longer than 1 mont	
Deliverable Requested: 1, 11, 11, 1V, Other (specify)	ison B 🗌 Unknown 🗐 Radiological		Return To Client Dis	Disposal By Lab	Archive For M	Months
		<u>i</u>		- 1		
Empty Kit Relinquished by:	Date:	[] Ime:		Metrioa of Shipment: Date/Time:	J	
Keinduished by:	Date/Time:	company	Received by:			ariy
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company	any
Relinquished by: A UNEN LODE	Date/Time: 25 15 243	Company	Received D:	DateTings	- 1543 CEEP	NEN
Custody Seals Intact: Custody SeÀ No.∷ ∆ Yes ∆ No			Coller Température(s) °C and Other Remarks	emarks: RNAGA		
			•		Ver:	Ver: 01/16/2019

Client: Grand Island Resources

Login Number: 204343 List Number: 1 Creator: Roehsner, Karen P

Question	Answer	Comment
Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>True</td> <td></td>	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").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Job Number: 280-204343-1

List Source: Eurofins Denver



Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Brooke Molson Moran Grand Island Resources 12567 West Cedar Road Suite 110 Lakewood, Colorado 80228 Generated 4/7/2025 10:12:00 AM

JOB DESCRIPTION

Nederland, CO

JOB NUMBER

280-205111-1

Eurofins Denver 4955 Yarrow Street Arvada CO 80002







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

-B-J

Generated 4/7/2025 10:12:00 AM

5

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

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Definitions/Glossary

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

Glossary		3
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	Δ
%R	Percent Recovery	
CFL	Contains Free Liquid	5
CFU	Colony Forming Unit	5
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)	8
EDL	Estimated Detection Limit (Dioxin)	
LOD	Limit of Detection (DoD/DOE)	9
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	13
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: 280-205111-1

Eurofins Denver

Job Narrative 280-205111-1

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 3/28/2025 3:09 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 2.4°C.

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

Sample OUTFALL-001 (280-205111-1) was analyzed for Metals (ICP/MS) - Potentially Dissolved. The sample was prepared on 4/3/2025 and analyzed on 4/4/2025.

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

Sample OUTFALL-001 (280-205111-1) was analyzed for Metals (ICP/MS) - Total Recoverable. The sample was prepared on 4/1/2025 and analyzed on 4/2/2025.

Detection Summary

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

Job ID: 280-205111-1

Client Sample ID: OUTFALL-001 Lab Sample ID: 280-205111-							80-205111-1
Analyte Zinc	Result Qualifier	RL 10	MDL 5.0	Unit ug/L	<u>Dil Fac</u>	Method 200.8	Potentially Dissolved

This Detection Summary does not include radiochemical test results.

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

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

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
280-205111-1	OUTFALL-001	Water	03/28/25 13:00	03/28/25 15:09

5

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

Client Sample ID: OUTFALL-001Lab Sample ID: 280-205Date Collected: 03/28/25 13:00Matrix: VDate Received: 03/28/25 15:09Matrix: V								
Analyte	Result Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	ND	2.0	1.0	ug/L		04/01/25 17:27	04/02/25 19:01	1
Lead	ND	1.0	0.50	ug/L		04/01/25 17:27	04/02/25 19:01	1

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

Client Sample ID: OUTFALL-001 Date Collected: 03/28/25 13:00 Date Received: 03/28/25 15:09							Lab Sam	ple ID: 280-20 Matrix)5111-1 : Water
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	ND		1.0	0.25	ug/L		04/03/25 08:42	04/04/25 09:51	1
Copper	ND		2.0	1.0	ug/L		04/03/25 08:42	04/04/25 09:51	1
Lead	ND		1.0	0.50	ug/L		04/03/25 08:42	04/04/25 09:51	1
Silver	ND		0.50	0.25	ug/L		04/03/25 08:42	04/04/25 09:51	1
Zinc	18		10	5.0	ug/L		04/03/25 08:42	04/04/25 09:51	1

RL

2.0

1.0

Spike

Added

40.0

40.0

MDL Unit

1.0 ug/L

0.50 ug/L

D

Unit

ug/L

ug/L

Prepared

D %Rec

103

101

MB MB

MB MB

~

ND

ND

Result Qualifier

Analysis Batch: 690159

Analysis Batch: 690159

Analysis Batch: 690346

Matrix: Water

Matrix: Water

Matrix: Water

Analyte

Copper

Analyte

Copper

Analyte Cadmium

Copper Lead Silver Zinc

Lead

Lead

Method: 200.8 - Metals (ICP/MS)

Lab Sample ID: MB 280-689751/1-A

Lab Sample ID: LCS 280-689751/2-A

Lab Sample ID: MB 280-689787/1-B

loh	ın	280-205111-	.1
200	ıυ.	200-203111-	•

Prep Batch: 689751

Prep Batch: 689751

Client Sample ID: Method Blank

04/01/25 17:27 04/02/25 18:56

04/01/25 17:27 04/02/25 18:56

Client Sample ID: Lab Control Sample

%Rec

Limits

90 - 115

88 - 115

Prep Type: Total Recoverable

Analyzed

Prep Type: Total Recoverable

9

Dil Fac

1

1

Client Sample ID: Method Blank Prep Type: Potentially Dissolved Prep Batch: 689791

Client Sample ID: Lab Control Sample

Prep Type: Potentially Dissolved

Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
ND		1.0	0.25	ug/L		04/03/25 08:42	04/04/25 09:44	1
ND		2.0	1.0	ug/L		04/03/25 08:42	04/04/25 09:44	1
ND		1.0	0.50	ug/L		04/03/25 08:42	04/04/25 09:44	1
ND		0.50	0.25	ug/L		04/03/25 08:42	04/04/25 09:44	1
ND		10	5.0	ug/L		04/03/25 08:42	04/04/25 09:44	1

.. ..

LCS LCS

41.0

40.3

Result Qualifier

Lab Sample ID: LCS 280-689787/2-B **Matrix: Water**

Analysis Batch: 690346

Analysis Batch: 690346						,	Prep Batch: 689791
	Spike	LCS	LCS				%Rec
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits
Cadmium	40.0	41.0		ug/L		102	89 - 111
Copper	40.0	41.3		ug/L		103	90 - 115
Lead	40.0	40.8		ug/L		102	88 - 115
Silver	40.0	37.8		ug/L		94	90 - 114
Zinc	40.0	38.7		ug/L		97	88 - 115

Client Sample ID

Lab Control Sample

Client Sample ID

Client Sample ID

Lab Control Sample

Client Sample ID

Lab Control Sample

OUTFALL-001

Method Blank

Method Blank

OUTFALL-001

OUTFALL-001

Method Blank

Metals

Prep Batch: 689751

MB 280-689751/1-A

LCS 280-689751/2-A

Filtration Batch: 689782

Filtration Batch: 689787

Lab Sample ID

Lab Sample ID

Lab Sample ID

Lab Sample ID

280-205111-1

MB 280-689787/1-B

LCS 280-689787/2-B

Prep Batch: 689791

MB 280-689787/1-B

LCS 280-689787/2-B

280-205111-1

280-205111-1

QC Association Summary

Prep Type

Prep Type

Prep Type

Total Recoverable

Total Recoverable

Total Recoverable

Potentially Dissolvec Water

Potentially Dissolvec Water

Potentially Dissolvec Water

Matrix

Water

Water

Water

Matrix

Matrix

Job ID: 280-205111-1

Prep Batch

Prep Batch

Prep Batch

10

Method Prep Batch Prep Type Matrix Potentially Dissolvec Water 200.8 689782 200.8 689787 Potentially Dissolvec Water Potentially Dissolvec Water 200.8 689787

Method

200.8

200.8

200.8

Method

Method

Filtration

Filtration

Poten_Diss_Met

1	_					
	Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
	280-205111-1	OUTFALL-001	Total Recoverable	Water	200.8	689751
	MB 280-689751/1-A	Method Blank	Total Recoverable	Water	200.8	689751
	LCS 280-689751/2-A	Lab Control Sample	Total Recoverable	Water	200.8	689751

Analysis Batch: 690346

Analysis Batch: 690159

Lab Sample ID 280-205111-1	Client Sample ID	Prep Type Potentially Dissolvec	Matrix Water	Method Pr 200.8	ep Batch 689791
MB 280-689787/1-B	Method Blank	Potentially Dissolvec		200.8	689791
LCS 280-689787/2-B	Lab Control Sample	Potentially Dissolvec	Water	200.8	689791

Date Collected: 03/28/25 13:00

Date Received: 03/28/25 15:09

Project/Site: Nederland, CO Client Sample ID: OUTFALL-001

Lab Sample ID: 280-205111-1

Job ID: 280-205111-1

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	689782	03/31/25 18:14	SMK	EET DEN
Potentially Dissolvec	Prep	200.8			50 mL	50 mL	689791	04/03/25 08:42	SMK	EET DEN
Potentially Dissolvec	Analysis	200.8		1			690346	04/04/25 09:51	LMT	EET DEN
Total Recoverable	Prep	200.8			50 mL	50 mL	689751	04/01/25 17:27	SMK	EET DEN
Total Recoverable	Analysis	200.8		1			690159	04/02/25 19:01	LMT	EET DEN

Laboratory References:

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

12 13 14

Laboratory: Eu	rofins 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 C	of Custody Record	ecord			🐝 eurofins Environment Testing America
Client Information	Sampler Koren Lobez		Lab PM: Bieniulis, Dylan T	Γ	Carrier Tracking No(s):	COC No:
Client Contact: John Rinko	1 1 .		E-Mail: Dylan. Bieniulis@et. eurofinsus.com		State of Origin:	Page:
Company: Grand Island Resources	-GISW4		An	Analysis Requested	sted	Job #:
Address: 12567 West Cedar Drive Suite 110	Due Date Requested:					
Gity: Lakewood	TAT Requested (days):					A - HCL M - Hexane B - NaOH N - None C - Zn Acetate O - AsNaO2
State, Zip: CO, 80228	Compliance Project:					
Phone: (303) 601-9230	PO#:		iocəS)			
Email: johnrinko@yahoo.com	# OM	6	(oV) Slatals			I - Ice J - DI Water
Project Name: Nederland, CO	Project #: 28022821		solved es of l			K - EDA L - EDA
Site: second half of the month event	SSOW#:		SD (Y			of con
	Sample	ple Matrix le (w=water, s=solid, mp, 0=wate/oil,	t biteteté bit Arom MCNM mon Listanetet Listanetet Listanetet Listanet Listanet Listanet Listanet Listanet Listanet Listanet Listanet Listanet Listanetet			19dmul/i list
Sample Identification	Sample Date Time G=grab)	<u> </u>	1 <u>50</u> ш 1 <u>50</u>		Andream of the Annual Annua	E Special Instructions/Note:
OUTPALL-CON	10	None internet	XXX			2 *Second half of the month potentially 2 dissolved metals permit list = 200.8 (Cd, Cu,
						Pb, Ag, Zn) *Second half of the month total recoverable
						econd hail of the mouth rotal recoverable metals permit list = 200.8 (Cu, Pb)
						Temo= 7.0
				+		+
						Observed Oil Sheen?
						Yes (No) (circle)
			280-205111 Chain of Custody	Custody		+ 1P oil sheen observed
				+		Por Oil & Greese required.
	Dational Deviced		Sample Disposal (A f	fee may be ass	essed if samples are ret	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
		- Aicai	Special Instructions/QC Requirements	C Requirements:	ents:	
Empty Kit Relinquished by:	Date:		Time:		Method of Shipment:	
Relinquished by:	Date/Time:	Company	Received by:		Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:		Date/Time:	Сотралу
en lood	03/28/25 15: 10	Company		ľ		25 1509 Company THEN
tody Seal No.:	-		Cooler Tembrature(s) °C and Other Remarks:	°C and Other Remain	(Ā	
			12 13 14	10 11	7 8 9	- 2 3 4 5 5 - 01/02018

Client: Grand Island Resources

Login Number: 205111 List Number: 1 Creator: Roehsner, Karen P

Question	Answer	Comment
Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>True</td> <td></td>	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	

Job Number: 280-205111-1

List Source: Eurofins Denver

APPENDIX C SURFACE WATER ANALYTICAL RESULTS

Surface water not flowing during this quarter, therefore no samples taken.

APPENDIX D CHAIN OF CUSTODY (COC) FORMS

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4955 Yarrow Street Arvada, CO 80002

Chain of Custody Record

the second second

Arvada, CO 80002 Phone (303) 736-0100 Phone (303) 431-7171		Custouy N			America
Client Information	Sampler: BM	Lab PM Bieniu	Lab PM: Bieniulis, Dylan T	Carrier Tracking No(s):	COC No:
Client Contact: Brooke Molson Moran	506-	1618 E-Mail:	E-Mail: Dylan.Bieniulis@et.eurofinsus.com	State of Origin:	Page:
Company: Grand Island Resources	DMSID:		Analysis Rec	Requested	Job #:
Address: 12567 West Cedar Road Suite 250	Due Date Requested:		suyo		
City: Lakewood	TAT Requested (days):		bns ,eid eur	280-	A - HCL M - Hexane B - NaOH N - None C - Zn Acetate O - AsNaO2
State, Zip: CO, 80466	Compliance Project:		Dinorid Filtere	-2043	
Phone: 315-414-6986	Po #: Not required		(Field	945 C	
Email: bmolsonm@g.emporia.edu	#OM		Vo) s (Grou 4500_C		
Project Name: Nederland, CO	Project #: 28025589		es or l I Metal I Metal s N d Gros nitters		K - EDTA W - pH 4-5 L - EDA Z - other (specify)
sie: Groundwater Sampling	SSOW#:		Y) G2I ssolved silu2 - : litrite a nf end is nf end is nf nf nf nf nf nf nf nf nf nf nf nf nf	ot con	Other:
Samole Identification	Sample Sample Cacomp Sample Date Time Garrah	le Matrix e (w=water, s=solid, mp, o=waste/oil,	Field Filtered 2007/2008 - Dis Field Filtered) 504.500.8 - Dis 50.2. Nitrate 50.0. Nitrate 50.0. 100 54.00 TDS 54.00 TDS 54.00 205 54.00 205 55.00 205 55.00.	international and the second sec	Constitution (Markey
	X		X D N S N D D		
CARIBOU PORTAL	3/13/25 10:30 6	3	XXXXX	- - - - -	300.0 Nitrate = 48 hour hold time
CARIBOU WELL	= 11:00 G		XXXXXX		* Groundwater Dissolved Metals Permit List = 200.7 (Al. B. Fe) and 200.8 (Sb. As. Ba.
9	II 11:00 G	3	XXXXXXX		Cd, Cu, Pb, Mn, Mo, U, Zn)
CROSS PORTAL	= 12:00 G	3			FIEUD-FILTERED
CROSS PORTAL02	11 12:00 6	N	XXXXXX		FOR METALS &
INCE WEI	1 12:30 6	3	XXXXXX		RADIONUCLIDES
MPUR		3	XXXXXXX		
CROSS WELL	" 13:00 G	3	XXXXXX		
			~		
Possible Hazard Identification Non-Hazard Poison B	oison B	aical	Sample Disposal (A fee may be assessed if samples Return To Client Disposal By Lab	assessed if samples are retain Disnosal Bv Lab	are retained longer than 1 month) Archive For Months
			C Requireme		
Empty Kit Relinquished by:	Date:		Time:	Method of Shipment:	
Relinquished by: BUNTOW	4:21 S2/21/2	6 Company R	Received by: Kalt LC	Dele Date/Time 3 1	3 75 13:4 Company 18
Relinquished by: Arch Lone2	03/13/25 1524	Companya Companya	Received by Received	- Date Time: S/2/2 5	- 1543 Comment AD
	Date/Time:	Company	Representation by:	Date/Time:	Company
Custody Seals Intact: Custody Seal No.: Δ Yes Δ No			Cooler Temperature(s) °C and Other Remarks:	DO'S IRWASA	
					Ver: 01/16/2019

APPENDIX E FIELD SHEETS

SURFACE WATER SAMPLING DATA SHEET

	Field Data	Sheet (Wate	r Chemist	rv & Discret	e Probe) -	EventType=	=WQ	EROL BOARD	2blasseuthn20a	QB/homen	10/0	De 1	-1 1
*StationID	A 19 19	2-01		*Date (mm/d	0	112	125	-	N/A	Trualey	na	Pg 1 *Agency: //	of
*Funding:	nla					DepartureTin		-	e (1st sample)	inta		*Protocol: y	1.
*Personne	A 10					WaterChem W				*PurposeF	ailure: M		1/0
	and the second second	g Midchannel (OnenWater	*GPS/DGPS		d,ddddd)							
GPS Device		AV POTAL	TS AOP	1. 2.	70 0-	7.0.011	Long (c	dddddd)			Walk-in Bri		C
Datum: NA	2010 10	Accuracy (ft / n	1110	Target:	30,07	20002	-1021	21585	10.00	A CONTRACTOR OF	the second second	LB / RB / N	
		No. of Concession, Name	LIPV	"Actual:	34.9.	10993	BEAUFORT	215 14		oint of Samp	1	, then -88 in db	ase)
		(SampleTyp	the state of the s		Sugar 2 4	Y/N/Unk	SCALE (see	1.	DISTANCE FROM BAN	K nla	TTREAM W		2/a
SIT	E ODOR:	NonelSulfides	s,Sewage,Petr	oleum,Mixed,O	ther		attachment):		(m):		WATER DE		10
SK	Y CODE:	(Clear) Partly	Cloudy, Overc	ast, Fog		DIRECTION	martin	AerialZipline, (FICATION Non	e, Bridge, Pipe	s, ConcreteChanr LOCAT	el, GradeControl, ION (to sample):	Culvert, US / DS /
OTHER	PRESENCE:	Vascular, Non	vascular, OilyS	heen, Foam, Tra	sh,Other Done	(from):	1		RB & LB assigne		1: (RB / LB	BB/US/DS	/ ##)
DOMINAN	ITSUBSTRATE			, Gravel, Sand,		ther n/a			wnstream; RENA le_yyyy_mm_dd		202	2-01	A
WATE	RCLARITY: 1	Clear (see bo	ttom), Cloudy	(>4" vis), Murk	y (<4" vis)	PRECIP	ITATION:		Drizzle, Rain, S		2: (RB / LB	BB/US/DS	/ ##)
	ERODOR:			etroleum, Mixed		PRECI	PITATION (las		Unknown, <	0	202	2-01.	B
WATE	ERCOLOR:	Coloriess, Gr							ondionity -		1 million and the second se	BB/US/DS	/ ##)
OBSEF	VED FLOW:	NA, Dry Wate	rbody Bed N	Obs Flow Isc	lated Pool, Tr	ickle (<0,1cfs).	0.1-1cfs. 1-5	cfs 5-20cfs 20	-50cfs 50-20	Ocfs >200cfs	202	2-01	C
Field Me	asurements	s (SampleTy							000101 00 20	000, - 200010			-
	DepthColler		Air Temp					Specific	1			1->	1
	(m)	Velocity (fps)	(°C)	Water Temp (°C)	pН	O2 (mg/L)	O ₂ (%)	Conductivity	Salinity (ppt) Turbidity (ntu)	Stage Ht (units	1	
SUBSURFAMI	2/		1-1-1	1				(uS/cm)		(may		1	
BOTTOMRE								1		/	1		
SUBSURF/MIL BOTTOM/REI							100	11	/		1	1.2.2.1	
SUBSURF/MIL BOTTOM/REI					/		-			1			
Instrumen				-			/		1	-			
Calib. Date	And in case of the local division of the loc	containers										record upon data	
AMPLE T	YPE: Grab / DepthCollec (m)		COLLE	CTION EQUIP	MENT: TSS / SSC	Indiv bottle (by TOC / DOC	y hand, by pol Total Hg	Dissolved	Teflon tubing; Total Metals	Dissolved	le & Beaker; Ot Organics	her Toxicity	VOA
	DepthCollec (m)				1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		1	and and a second	1		Constant -	VOA
Sub/Surfac Sub/Surfac	DepthCollec (m)	Inorganics	Bacteria	Chl a	TSS / SSC	TOC / DOC	Total Hg	Dissolved Mercury	Total Metals	Dissolved	Organics	Toxicity	
Sub/Surfac Sub/Surfac OMMENT	DepthCollec (m)		Bacteria	Chl a	TSS / SSC	TOC / DOC	Total Hg	Dissolved Mercury	Total Metals	Dissolved	Organics	Toxicity	
Sub/Surfac Sub/Surfac OMMENT	DepthCollec (m) e e S: S: VRFA	Inorganics	Bacteria	Chl a	TSS / SSC	TOC / DOC	Total Hg	RE N	Total Metals	Metals MPI	Organics	Toxicity	
Sub/Surfac Sub/Surfac OMMENT	DepthCollec (m) e e S: S: VRFA	Inorganics	Bacteria	Chl a	TSS / SSC	TOC / DOC	Total Hg	RE N	O SP	Metals MPI	Organics	Toxicity	
Sub/Surfac Sub/Surfac OMMENT	DepthCollec (m) e e S: S: VRFA	Inorganics	Bacteria	Chl a	TSS / SSC	TOC / DOC	Total Hg	RE N	O SP	Metals MPI	Organics	Toxicity	
Sub/Surfac Sub/Surfac OMMENT	DepthCollec (m) e e S: S: S: S: S: S: S: S: S: S: S: S: S:	Inorganics	Bacteria	Chl a	TSS / SSC	TOC / DOC	Total Hg	RE N	O SP	Metals MPI	Organics	Toxicity	
Sub/Surfac Sub/Surfac OMMENT	DepthCollec (m) e e S: S: S: S: S: S: S: S: S: S: S: S: S:	Inorganics	Bacteria	Chl a	TSS / SSC	TOC / DOC	Total Hg	RE N	O SP	Metals MPI	Organics	Toxicity	
Sub/Surfac Sub/Surfac OMMENT	DepthCollec (m) e e S: S: S: S: S: S: S: S: S: S: S: S: S:	Inorganics	Bacteria	Chl a	TSS / SSC	TOC / DOC	Total Hg	RE N	O SP	Metals MPI	Organics	Toxicity	
Sub/Surfac Sub/Surfac OMMENT	DepthCollec (m) e e S: S: S: S: S: S: S: S: S: S: S: S: S:	Inorganics	Bacteria	Chl a	TSS / SSC	TOC / DOC	Total Hg	RE N	O SP	Metals MPI	Organics	Toxicity	
Sub/Surfac Sub/Surfac OMMENT	DepthCollec (m) e e S: URFA Site Code; # Small Wets # Large Wets Empty Wets	Inorganics	Bacteria	Chl a	TSS / SSC	TOC / DOC	Total Hg	RE N	O SP	Metals MPI	Organics	Toxicity	
Sub/Surfac Sub/Surfac OMMENT	E DepthCollec (m) E E E S S URFA Site Code; # Small Wets # Small Wets # Large Wets Empty Wets Empty Wets	Inorganics	Bacteria	Chl a	TSS / SSC	TOC / DOC	Total Hg	RE N	O SP	Metals MPI	Organics	Toxicity	
Sub/Surfac Sub/Surfac OMMENT ample ID # Yellow +	E DepthCollec (m) E E E S S URFA Site Code; # Small Webs # Large Webs Empty Webs MPN # Small Webs # Large Webs False	Inorganics	Bacteria	Chl a	TSS / SSC	TOC / DOC	Total Hg	RE N	O SP	Metals MPI	Organics	Toxicity	
Sub/Surfac Sub/Surfac OMMENT To Sample ID #: Yellow +	DepthCollec (m) e e S: URFA SRe Code: # Small Wells # Small Wells # Small Wells # Small Wells # Small Wells	Inorganics	Bacteria	Chl a	TSS / SSC	TOC / DOC	Total Hg	RE N	O SP	Metals MPI	Organics	Toxicity	
Sub/Surface Sub/Surface OMMENT ample ID # Yellow + Iuorescence (*)	DepthCollec (m) e e S: URFA Site Code: # Small Wets # Large Wets Empty Wets MPN # Small Wets # Large Wets Faile Positives MPN	CEM		Chl a	TSS/SSC	HER		RE N	O SP	Dissolved Metals Metals	UES C	Toxicity	
Sub/Surfac Sub/Surfac OMMENT ample ID #: Yellow + luorescence (*) imp/Tene	DepthCollec (m) e e S: SURFA Site Code; # Small Wets # Small Wets # Large Wets MPN # Small Wets # Large Wets # Large Wets # Large Wets # Large Wets # Large Wets # Small Wets	CE W	Bacteria	Chia R FM	TSS / SSC	HER		RE N	Total Militals	Dissolved Metals Metals	Check, if needed	Toxicity	
Sub/Surfac Sub/Surfac OMMENT ample ID #: Yellow + luorescence (*) imp/Tene	DepthCollec (m) e e S: SURFA Site Code; # Small Wets # Small Wets # Large Wets MPN # Small Wets # Large Wets # Large Wets # Large Wets # Large Wets # Large Wets # Small Wets	CE W	Bacteria	Chia R FM	TSS/SSC	HER		RE. N	Total Metals	Dissolved Metals Metals g Date:	Check, if needed	OULE	
Sub/Surfac Sub/Surfac OMMENT ample ID #: Yellow + Ivorescence (*) smp/Teme	DepthCollec (m) e e S: URFA SRe Code: # Small Wets # Large Wets MPN # Small Wets # Large Wets MPN # Small Wets # Large Wets MPN # Small Wets # Small	CE W	Bacteria		TSS/SSC	HER		RE. N	Total Metals	Dissolved Metals Metals g Date:	Check, meeded	OULE	CTE
Sub/Surfac Sub/Surfac OMMENT ample ID #: Yellow + Izorescence (*) smp/Teme TOTAL	DepthCollect (m) e e S S VRFA Site Code; # Small Wells # Large Wells MPN Start Normel Sample # Dupilcate Sample #	CE W	Bacteria		TSS / SSC	TOC / DOC HER	Total Hg	RE. N	Total Militals	Dissolved Metals Metals g Date:	Check, meedeo	OULE	
Sub/Surfac Sub/Surfac OMMENT Tun: ample ID #: Yellow + Ivorscence (+) mp/Teme TOTAL OLIFORM	DepthCollect (m) e e S: SURFA Site Code; # Small Wets # Small Wets # Large Wets MPN Start Normal Sample,# Duplicate Sample,# Duplicate Sample,#	CE W	Bacteria		TSS / SSC		Total Hg	RE. N	Total Militals	Dissolved Metals Metals g Date:	Check, meeded	PULE 95% CI	CTE
Sub/Surfac Sub/Surfac OMMENT Total ample ID #: Yellow + Yellow + Iluorescence (+) amp/Tene Total OLIFORM E. COLI	DepthCollec (m) e e S: SURFA Site Code; # Small Wels # Large Wels # Large Wels # Large Wels # Large Wels # Large Wels # Small Wels # Large Wels False Positives MPN # Small Wels # Large Wels False Positives MPN Start Normal Duplicate Mean Normal Duplicate Mean	CE W	Bacteria		TSS / SSC	TOC / DOC	Total Hg	RE. N	Total Militals	Dissolved Metals Metals g Date:	Check, if needed	PULE 95% CI	CTE
Sub/Surfac Sub/Surfac OMMENT ample ID #: ample ID #: Yellow + luorescence (+) ymp/Tme TOTAL OLIFORM E. COLI	DepthCollect (m) e e S: S: S: S: S: S: S: S: S: S: S: S: S:	CE W	Bacteria	Chi a	TSS / SSC		Total Hg	RE. N	Total Militals	Dissolved Metals Metals g Date:	Organics DES C	POLLE	Upper
Sub/Surfac Sub/Surfac OMMENT ample ID #: Yellow + Ivarscence (+) mp/Time TOTAL OLIFORM E. COLI BLANKS	DepthCollect (m) e e e S S VRFA Site Code: # Small Wels # Small Wels # Large Wells # Large Wells # Large Wells # Large Wells # Small Wels # Large Wells False Positives MPN Start Normel Duplicate Sample,# Duplicate Sample,# Duplicate Sample, Mean Normel Duplicate Sample, Field Sample	Inorganics CEW	Bacteria	Chi a	TSS / SSC	TOC / DOC HER IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	Total Hg	RE. N	Total Militals	Dissolved Metals Metals g Date:	Check, reeded TES	POLLE	CTE
Sub/Surface Sub/Surface OMMENT ample ID #: ample ID #: Yellow + liconscence (+) emp/Tene TOTAL ioLiFORM E. COLI BLANKS ran = Mean of	DepthCollect (m) e e e S S VRFA Site Code: # Small Wels # Small Wels # Large Wells # Large Wells # Large Wells # Large Wells # Small Wels # Large Wells False Positives MPN Start Normel Duplicate Sample,# Duplicate Sample,# Duplicate Sample, Mean Normel Duplicate Sample, Field Sample	Inorganics CEW	Bacteria	Chi a	TSS / SSC	TOC / DOC HER IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	Total Hg	RE. N	Total Militals	Dissolved Metals Metals g Date:	Organics DES C	POLLE	Upper Jac Review

Brocke Moran 3/13/25

N/A

N/A

SURFACE WATER SAMPLING DATA SHEET

*StationID: *Funding:				ly a Discre	te Probe) -	EventType	=WQ	ERG-BPARS	2blase Whatle	(Adate)		Pg	of)
*Eundin	202	2-02		*Date (mm/c		3113	125		nla			*Agency:	vila
runaing:	nlo			1	15:10			SampleTim	1.1. 14.5	in la		*Protocol:	nla
*Personnel:	BM				- L.V			Obs FieldMeasu		*PurposeFa	ilure: V	1/0	*1163
*Location; B	ank Thatwee	Midchannel (OpenWater	*GPS/DGPS	1	d.ddddd)		ddd.ddddd)	and the second s		Walk-in Brid	THE OWNER WHEN THE OWNER	
GPS Device:	20 0	YPOIN		Target:	29 9	75282	-105.	and the second second	2		downstream):	1	
Datum: NAD83		Accuracy (fl/n	3 1 4 7 1	*Actual:	39.97	15873	-105,	569305	-		downstream): e (if Integrated		Contraction of the local division of the loc
Field Obse	ervations (SampleTyp	e = FieldO	bs)		WADEABIL			DISTANCE FROM BAN	k n/a	STREAM W	/IDTH (m):	nla
SITE	DDOR: (None, Sulfides	s,Sewage,Pet	roleum,Mixed,C	Other	Y/N Unk	SCALE (see attachment)		(m):		WATER DE		nla
SKY C	CODE:	Clear, Partly	Cloudy, Over	cast, Fog		DIRECTION	mitor	AerialZipline, 0	FICATION None	Bridge, Pipes,	ConcreteChann LOCAT	el, GradeCont ION (to sample	ol, Culvert, a): US / DS /
OTHERPR				Sheen, Foam, Tr		(from):	2 0		(RB & LB assigne wnstream; RENA		1: (RB / LB	/ BB / US / D	S/#/)
in the second second second	1	Bedrock, Con				her m/c	2		de yyyy mm dd		2022		
		Clear (see bo					PITATION:		Drizzle, Rain, S			BB/US/D	S/##)
WATER	3			etroleum, Mixe		PRECI	PITATION (la	st 24 hrs):	Unknown, <	1", >1", None		2-02	-0
WATER	1 - 1 - 1			Brown h	-			2			12.2	7-0	2 (
OBSERVE		11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		Contraction of the local division of the loc			, 0.1-1cfs, 1-5	icfs, 5-20cfs, 20	0-50cfs, 50-200	Ocfs, >200cfs	1202	2-0.	
neiu weas	1au	(SampleTy		1	1	eid)	-	Consta		1	-	1	/
1	DepthCollec (m)	Velocity (fps)	Air Temp (°C)	Water Temp (°C)	pН	O ₂ (mg/L)	O ₂ (%)	Specific Conductivity (uS/cm)	Salinity (ppt) Turbidity (ntu)	Stage Ht (units	1	
SUBSURF/MID/ BOTTOM/REP			/	1				(uarony					
SUBSURF/MID/ BOTTOM/REP					-		1		/				
SUBSURF/MID/ BOTTOM/REP								/					
Instrument:						~	-		-	1		-	-
Calib. Date:			-			/							
SAMPLE TYP	DepthCollec (m)	Inorganics	Bacteria	CTION EQUIP	TSS / SSC	TOC / DOC	y hand, by po Total Hg	le, by bucket); Dissolved Mercury	Total Metals	Dissolved Metals	Organics	her Toxicity	VO
Sub/Surface													
		-	-		-			monuary		Allerais			
Sub/Surface		1											
COLALACTIC:	URF	ACEN	JATE	RFL	ow,	THE	REF		NO S		LES C	.0Ш	ECTI
ORALATATO	URF	ACEV	JATE	RFL	ow,	THE	REF	ORE	NO S	AMPL	LES C	.011	ECTI
COMMENTS:	URF	ACEV	JATE	RFL	ow,	THE	REFI	ORE	_	AMPL	ESC	.011	ECTI
COMMENTS:	URF Sile Code:	ACEV	JATE	R FL	.ow,	THE	REF	ORE	_	AMPL	ESC	.011	
COMMENTS:		ACEN	JATE	RFL	ow,	THE	REF	ORE	_	AMPL	ESC	.011	
COMMENTS: NOS Pun: Sample ID #	Site Code:	ACEW	JATE	RFL	ow,	THE	REF	ORE	_	AMPL		.011	
Sample ID #	Site Cade: Small Wells Large Wells	ACEV	JATE	RFL	.ow,	THE	REF	ORE	_	AMPL	-550	.011	2011
Sample ID #	Site Code: Small Wells Large Wells MPN	ACEV	JATE	RFL	.ow,	THE	REFI	ORE	_	AMPL	-ES (.011	
COMMENTS: Sample ID # Yellow +	Site Codg: Small Wells Large Wells MPN MPN Small Wells	ACEV	JATE	RFL	.0w,	THE	REF	ORE	_	AMPL	LES C	.011	
COMMENTS: Sample ID # Yellow + # :	Site Code: Small Wells Large Wells MPN	ACEV	JATE	RFL		THE	REF	ORE	_	AMPL		.011	
Yellow + Fluorescence	Site Codg: Small Wells Large Wells MPN MPN Small Wells	ACEV	JATE	RFL		THE	REF	ORE	_	AMPL		.011	
Yellow + Fkorescence (+)	Site Code: Small Wells Large Wells Impty Wells MPN Small Wells Large Wells False Positives MPN	ACEV		RFL	LOW,			ORE	_	amp.			
Yellow + Yellow + Yellow + Phonescence emp/Time Sta	Site Code: Small Wells Itarge Wells MPN Small Wells Large Wells Faise Positives MPN art	4Hr. C						DRE S	ample Processing	amp.	Check, Enecded		
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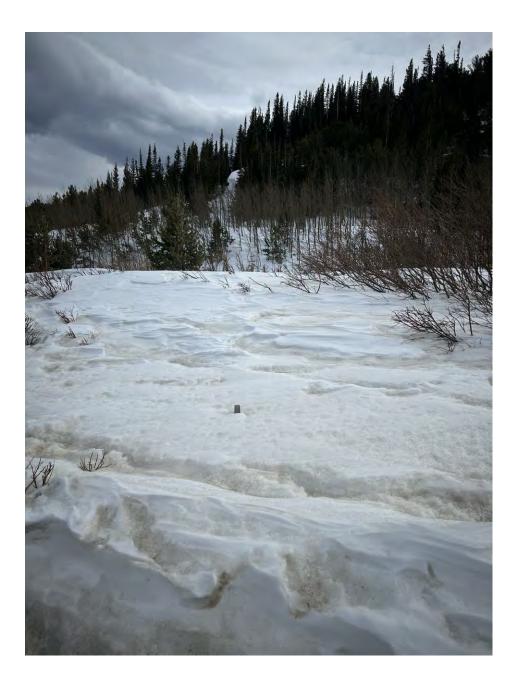
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APPENDIX F PHOTOGRAPHS

APPENDIX F.1 SAMPLE LOCATION 2022-01 PHOTOGRAPHS







APPENDIX F.2 SAMPLE LOCATION 2022-02 PHOTOGRAPHS









Division of Reclamation, Mining & Safety c/o Mr. Patrick Lennberg 1001 E 62nd Ave, Room 215 Denver, CO 80216 April 30, 2025

Report on Q1 2025 Copper Sampling Data – Cross Gold Mine, Permit No. M-1977-410 April 30, 2025

From: Grand Island Resources (The Operator)

Executive Summary

This report presents the findings from the first quarter (Q1) 2025 groundwater and surface water testing at the Cross Gold Mine, conducted in compliance with Technical Revision #10 (TR-10) under Permit No. M-1977-410. For the Q1 2025 sampling on March 13, 2025, the Caribou Well detected copper at 0.15 mg/L in the initial sample and 0.21 mg/L in the duplicate sample, resulting in an average concentration of 0.18 mg/L. An initial exceedance of Total Dissolved Copper (0.21 mg/L) above the Water Quality Control Commission's (WQCC) Interim Narrative Standard of 0.2 mg/L in the duplicate sample prompted two intensive copper sampling series: a 24-hour series with measurements every 12 hours on April 11, 2025, and a 12-hour series with measurements every 3 hours on April 17, 2025. It should be noted that this response was a conservative approach, as the intensive sampling was initiated based on the 0.21 mg/L duplicate sample from March 13, 2025, rather than a significantly higher copper detection of 3.4 mg/L at the Caribou Well on December 4, 2024, which may have initially triggered heightened monitoring. The results indicate that elevated copper levels are likely due to inadequate purging of stagnant groundwater, exacerbated by reduced site activity and a dry winter, rather than a persistent water quality issue. After sufficient purging, copper concentrations stabilized below the 0.2 mg/L limit, consistent with historical data. Based on these findings, we recommend increasing purge time and changing well equipment.

1. INTRODUCTION

On April 28, 2022, the Division of Reclamation, Mining and Safety (DRMS) approved Technical Revision #10 (TR-10), requiring Grand Island Resources to modify its water management and treatment program and implement a comprehensive surface water and groundwater monitoring program in response to Violation No. MV-2021-017. This program ensures compliance with the WQCC's Interim Narrative Standard for copper (0.2 mg/L).

In Q1 2025, routine sampling at the Caribou Well detected a Total Dissolved Copper concentration of 0.21 mg/L, in duplicate sample exceeding the 0.2 mg/L limit, the average concentration for the Caribou Well is 0.18 mg/L. To investigate, we conducted two intensive sampling series:

• Series 1: 24-hour sampling on April 11, 2025, with measurements at 0, 12, and 24 hours.



• Series 2: 12-hour sampling on April 17, 2025, with measurements at 0, 3, 6, 9, and 12 hours.

This report details the methodology, results, analysis, historical context, and recommendations based on these tests.

2. METHODOLOGY

2.1 Sampling Series

Two sampling series were conducted at the Caribou Well:

- Series 1 (April 11, 2025): Samples were collected over 24 hours at 0, 12, and 24 hours to assess long-term copper concentration trends.
- Series 2 (April 17, 2025): Samples were collected over 12 hours at 0, 3, 6, 9, and 12 hours for a higher-resolution analysis.

Samples were analyzed for Total Dissolved Copper ($\mu g/L$) by Eurofins, CO, using standard laboratory procedures.

2.2 Purging Protocol

The Caribou Well was purged in Past sampling for historical purging (e.g., 3 well volumes) has proven insufficient during periods of low site activity and groundwater levels, necessitating extended purging to obtain representative samples.

3. RESULTS

3.1 Series 1: 24-Hour Sampling (April 11, 2025)

The 24-hour series showed a significant reduction in copper concentration after initial purging: Table 1: Series 1 - 24-Hour Sampling Results



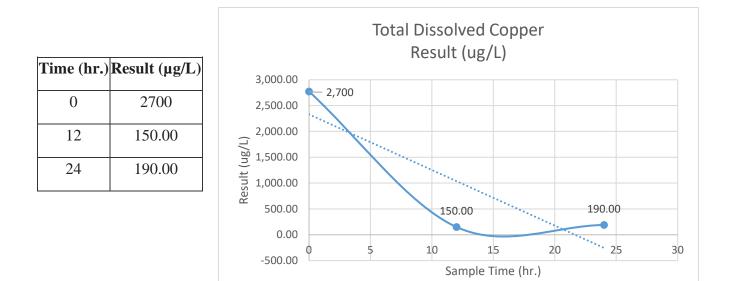


Figure 1: Total Dissolved Copper Over 24 Hours (April 11, 2025)

Figure 1 Caption: Copper concentration decreased from 2700 μ g/L to 150.00 μ g/L after 12 hours, stabilizing at 190.00 μ g/L by 24 hours.

3.2 Series 2: 12-Hour Sampling (April 17, 2025)

The 12-hour series provided detailed insights into copper concentration dynamics: Table 2: Series 2 - 12-Hour Sampling Results

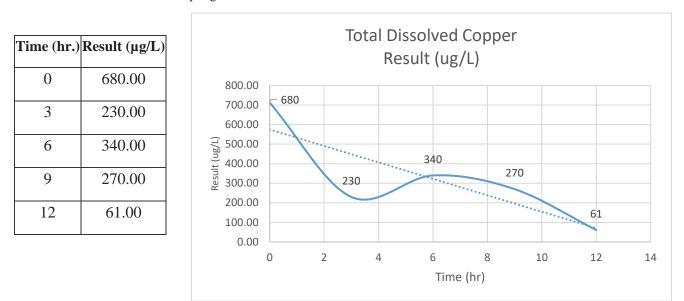


Figure 2: Total Dissolved Copper Over 12 Hours (April 17, 2025) Figure 2 Caption: Copper concentration decreased from $680 \mu g/L$ to $61.00 \mu g/L$ over 12 hours, with fluctuations between 3 and 9 hours.



4. ANALYSIS

4.1 Trends and Observations

Both series demonstrated a sharp initial decline in copper concentration, followed by stabilization below the 200 μ g/L (0.2 mg/L) limit:

- Series 1: Copper levels dropped 94.4% from 2700 μ g/L to 150.00 μ g/L within 12 hours, with a slight increase to 190.00 μ g/L at 24 hours, suggesting stabilization.
- Series 2: Copper levels decreased 91.0% from 680 μ g/L to 61.00 μ g/L over 12 hours, with intermediate fluctuations averaging 280 μ g/L between 3 and 9 hours.

These trends indicate that elevated initial readings result from stagnant groundwater rather than a systemic issue. Post-purging concentrations consistently met compliance standards.

4.2 Potential Causes of Elevated Copper

Several factors likely contributed to the initial exceedance:

- Reduced Site Activity: With minimal staff and equipment operation, water usage from the Caribou Well has decreased, leading to prolonged stagnation and copper accumulation.
- Copper Piping: Corrosion in the building's copper pipes, evidenced by reported leaks, may have elevated initial copper levels in stagnant water.
- Low Groundwater Levels: A dry winter reduced groundwater flow, potentially increasing copper concentration in unpurged samples.

4.3 Historical Context

Historical data supports the episodic nature of elevated copper levels during low-activity periods:

March 13, 2025: Copper concentration was 0.15 mg/L (150 μg/L) duplicate was 0.21 mg/L (210 μg/L), with Avg below the limit at 0.18 mg/L (180 μg/L).

March 21, 2023: A spike of 1.23 mg/L (1230 μ g/L) occurred during similar conditions of low activity and groundwater levels.

• December 4, 2024: Purging of 484 gallons (3 well volumes) yielded 3.4 mg/L, indicating insufficient purging for representative sampling under current conditions.

5. RECOMMENDATIONS

Based on a comprehensive analysis of the Q1 2025 copper sampling data and historical trends, we propose the following adjustments to optimize the groundwater monitoring program:



5.1 Sampling

• The Operator has collected seven consecutive quarters of groundwater monitoring data, all demonstrating consistent compliance with the Water Quality Control Commission's (WQCC) Interim Narrative Standard for copper (0.2 mg/L). This extended period of stable water quality indicates that the site's groundwater conditions are well-characterized and do not exhibit significant short-term variability.

5.2 Adjustment to Sampling Points

- Current: Seven sampling points, including three groundwater wells (Cross, Caribou, and Compliance), two mine effluent points (Cross and Caribou Portals), and two surface water stations (upstream and downstream of the mine site).
- Proposed: new equipment needs to be installed on the wells so that sampling can be taken at the well head as well as inspection of the well ensuring its PVC piping all the way to the motor from the wellhead,
- Rationale: To ensure sample integrity, new equipment will be installed for direct sampling at the well head, avoiding contamination from the building's plumbing system, which may include copper piping. Historical data showing elevated copper levels, likely from stagnant water during low-activity periods, supports this change. Additionally, an inspection will confirm that the Caribou Well uses PVC piping from the wellhead to the pump as PVC's inert properties prevent contaminant leaching, further guaranteeing accurate results.

5.3 Recommendation for Increased Purge Time

- Current Practice: Purging three well volumes prior to sampling (typically completed in approximately one hour).
- Proposed: Increase purge time to 10 hours prior to quarterly groundwater sampling.
- Rationale: Historical and recent sampling data reveal that extended purging is essential to obtain water samples that accurately represent the aquifer's true quality, rather than stagnant water trapped within the well. The Q1 2025 sampling series, combined with past exceedances, highlights the need for this change to ensure consistent and reliable results.

Detailed Explanation

• Influence of Stagnant Water: When wells, such as the Caribou Well, are not regularly pumped or experience low recharge rates (e.g., during dry seasons or periods of reduced site activity), water stagnates within the well casing and adjacent aquifer material. This stagnant water can accumulate elevated concentrations of copper due to interactions with surrounding rock strata or, potentially, corrosion of copper-containing infrastructure (e.g., piping). Initial samples drawn without sufficient purging reflect this unrepresentative water rather than the broader aquifer conditions. For instance, historical exceedances—such as the 1.23 mg/L copper



spike in March 2023 and the 3.4 mg/L reading in December 2024—coincided with inadequate purging and low site activity, reinforcing this pattern.

- Evidence from Extended Purging: The Q1 2025 sampling series provides clear evidence of the effectiveness of longer purge times:
 - 24-Hour Sampling Series (April 11, 2025): Initial copper concentrations were elevated (e.g., 2700 μ g/L), but after 12 hours of purging, levels dropped to 150 for 94.4%,—well below the 0.2 mg/L compliance limit— and remained stable thereafter. This indicates that extended purging successfully flushed out stagnant water, allowing fresh aquifer water to enter the well.
 - 12-Hour Sampling Series (April 17, 2025): Similarly, copper levels decreased by 91.0% from 680 μ g/L to 61.00 μ g/L after 12 hours, again falling below the compliance threshold. These results confirm that purging for a prolonged period is necessary to achieve a representative sample.
 - Contrast with Current Practice: The December 2024 sampling, which followed the current practice of purging three well volumes (484 gallons) over one hour, yielded a copper concentration of 3.4 mg/L— above the limit. This suggests that one hour of purging is insufficient to remove stagnant water, especially under low-flow or low-recharge conditions.
- Why 10 Hours? A 10-hour purge time strikes a practical balance between ensuring representativeness and operational feasibility. The Q1 2025 data shows that copper levels stabilize significantly within 12 hours, with the majority of the reduction occurring earlier. A 10-hour duration provides a conservative yet efficient window to flush the well and draw in fresh groundwater, accounting for variability in recharge rates or seasonal conditions. For example, at a typical flow rate of 8 gallons per minute (gpm)—which avoids excessive drawdown—this equates to approximately 4,800 gallons purged, far exceeding the three well volumes (approximately 484 gallons) currently used. Additionally, since the Caribou well is a domestic water well rather than a standard groundwater monitoring well, purge times should not follow the traditional '3 well volume' rule typically applied to groundwater monitoring wells, as this may not suffice to ensure water quality, further justifying the need for a more extended purge time.

Benefits of the 10-Hour Purge Time

- Consistent and Representative Data: By purging for 10 hours, the sampled water will reflect the true composition of the aquifer, free from the influence of stagnant water. This ensures that quarterly results are a reliable indicator of groundwater quality, enhancing confidence in compliance assessments.
- Reduction in False Exceedances: Extended purging eliminates artifacts that lead to artificially high copper readings, such as those observed in March 2023 and



December 2024. This reduces the risk of unnecessary regulatory scrutiny or corrective actions triggered by unrepresentative data.

- Improved Long-Term Monitoring: With quarterly sampling, each data point carries greater weight in tracking trends. A 10-hour purge ensures that these infrequent samples are of the highest quality, providing a robust basis for decision-making.
- Alignment with Best Practices: This recommendation aligns with industry standards for groundwater sampling in wells with low recharge rates or during periods of low water levels (e.g., dry seasons). Extended purging is widely recognized as a critical step to obtain accurate samples under such conditions.

Implementation Considerations

- Purging Protocol: Prior to each quarterly sampling event, the Caribou Well should be purged continuously for 10 hours at a controlled flow rate (e.g., 8 gpm, based on historical data) to prevent drawdown and ensure steady removal of stagnant water.
- Stabilization Monitoring: During purging, field parameters such as pH, temperature, and turbidity should be measured periodically (e.g., every 2–3 hours) to confirm stabilization, providing additional assurance that the sample represents aquifer conditions.
- Equipment and Logistics: The Operator should ensure that pumping equipment is capable of sustained operation over 10 hours and that staff are scheduled to oversee the process, potentially conducting purging the day before sampling to integrate seamlessly with quarterly workflows.

By adopting these adjustments—quarterly sampling, a focus on the Caribou Well, and a 10-hour purge time—the monitoring program will deliver more consistent and representative data, ensuring compliance with regulatory standards while optimizing operational efficiency.

6. CONCLUSION

The Q1 2025 copper sampling data from the Caribou Well confirms that elevated copper levels stem from inadequate purging during periods of low site activity and low groundwater levels. Extended purging in both the 24-hour and 12-hour series reduced copper concentrations below the 0.2 mg/L limit, aligning with historical trends. We request DRMS approval for the proposed adjustments to purge time and replacement of well equipment while ensuring compliance.



Respectfully Submitted,

Richard Mittasch, Vice President Grand Island Resources, LLC. Phone: 720-893-3749 Mobile: 516 582-0833 Email: Rmittasch@nedmining.com 4415 Caribou Rd, PO Box 3395, Nederland, CO 80466

Attachments:

- Laboratory Data (Eurofins)
 - J205801-1 UDS Level 2 Report Final Report.pdf
 - J206340-1 UDS Level 2 Report Final Report.pdf



Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Brooke Molson Moran Grand Island Resources 12567 West Cedar Road Suite 110 Lakewood, Colorado 80228 Generated 4/15/2025 11:03:31 AM

JOB DESCRIPTION

Nederland, CO - Groundwater

JOB NUMBER

280-205801-1

Eurofins Denver 4955 Yarrow Street Arvada CO 80002





Eurofins Denver

Job Notes

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Authorization

-B-J

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

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Definitions/Glossary

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

3

Qualifiers

Meta	ls
Qualif	ie
4	

Qualifier	Qualifier Description
	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not
	applicable.

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: 280-205801-1

Eurofins Denver

Job Narrative 280-205801-1

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

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

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

Receipt

The samples were received on 4/11/2025 9:27 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.6°C.

Method 200.8 - Metals (ICP/MS) - Dissolved

Samples CW-01 (280-205801-1), CW-02 (280-205801-2) and CW-03 (280-205801-3) were analyzed for Metals (ICP/MS) - Dissolved. The samples were prepared on 4/11/2025 and analyzed on 4/14/2025.

Eurofins Denver

Detection Summary

Client: Grand Island Resources Project/Site: Nederland, CO - Groundwater Job ID: 280-205801-1

Client Sample ID: CW-01						Lab Sa	mple ID: 2	280-205801-1	
Analyte Copper	Result 2700	Qualifier	RL	MDL 1.0		Dil Fac	D Method 200.8	Prep Type Dissolved	
Client Sample ID: CW-02						Lab Sa	mple ID: 2	280-205801-2	5
Analyte Copper	Result 150	Qualifier	RL	MDL 1.0	Unit ug/L	Dil Fac	D Method 200.8	Prep Type Dissolved	6
Client Sample ID: CW-03						Lab Sa	mple ID: 2	280-205801-3	
Analyte Copper	Result 190	Qualifier	RL 2.0	MDL 1.0	Unit ug/L	Dil Fac	D Method 200.8	Prep Type Dissolved	8

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

lethod	Method Description	Protocol	Laboratory
00.8	Metals (ICP/MS)	EPA	EET DEN
00.8	Preparation, Total Recoverable 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

Eurofins Denver

Sample Summary

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

Job ID: 280-205801-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
280-205801-1	CW-01	Water	04/09/25 08:06	04/11/25 09:27
280-205801-2	CW-02	Water	04/10/25 09:09	04/11/25 09:27
280-205801-3	CW-03	Water	04/11/25 08:00	04/11/25 09:27

Job ID: 280-205801-1

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

Client Sample ID: CW-01 Date Collected: 04/09/25 08:06 Date Received: 04/11/25 09:27							Lab Sam	ple ID: 280-20 Matrix	5801-1 : Water
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	2700		2.0	1.0	ug/L		04/11/25 13:04	04/14/25 15:43	1
Client Sample ID: CW-02 Date Collected: 04/10/25 09:09 Date Received: 04/11/25 09:27							Lab Sam	ple ID: 280-20 Matrix	5801-2 : Water
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	150		2.0	1.0	ug/L		04/11/25 13:04	04/14/25 15:55	1
Client Sample ID: CW-03 Date Collected: 04/11/25 08:00 Date Received: 04/11/25 09:27							Lab Sam	ple ID: 280-20 Matrix	5801-3 : Water
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	190		2.0	1.0	ug/L		04/11/25 13:04	04/14/25 15:58	1

Eurofins Denver

QC Sample Results

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

Job ID: 280-205801-1

Method: 200.8 - Metals (ICP/MS)

Lab Sample ID: MB 280-6913 Matrix: Water Analysis Batch: 691609	305/1-A	мв мв									ole ID: Me e: Total R Prep Bat	ecov	erable
Analyte	Re	sult Qualifier		RL	мп	L Unit		D	Р	repared	Analyze	d	Dil Fac
Copper		ND duamer		2.0		.0 ug/L		_		1/25 13:04			1
Lab Sample ID: LCS 280-691 Matrix: Water Analysis Batch: 691609	1305/2-A						Cli	ent			Lab Cont e: Total R Prep Bat	ecov	erable
			Spike	LC	S LO	CS					%Rec		
Analyte			Added	Resu	lt Q	ualifier	Unit		D	%Rec	Limits		
Copper			40.0	40	6		ug/L		_	102	90 - 115		
Lab Sample ID: 280-205801- Matrix: Water Analysis Batch: 691609	1 MS										nt Sample Prep Type Prep Bat	Diss	olved
	Sample	Sample	Spike	N	sм	s					%Rec		
Analyte	Result	Qualifier	Added	Resu	lt Q	ualifier	Unit		D	%Rec	Limits		
Copper	2700		40.0	27	0 4		ug/L		_	209	90 - 115		
Lab Sample ID: 280-205801- Matrix: Water Analysis Batch: 691609	1 MSD										nt Sample Prep Type Prep Bat	Diss	olved
	Sample	Sample	Spike	MS	DM	SD					%Rec		RPD
Analyte	Result	Qualifier	Added	Resu	lt Q	ualifier	Unit		D	%Rec	Limits	RPD	Limit
Copper	2700		40.0	28	0 4		ug/L		_	397	90 - 115	3	20

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QC Association Summary

Client: Grand Island Resources Project/Site: Nederland, CO - Groundwater Job ID: 280-205801-1

10

Metals

Prep Batch: 691305

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
280-205801-1	CW-01	Dissolved	Water	200.8	
280-205801-2	CW-02	Dissolved	Water	200.8	
280-205801-3	CW-03	Dissolved	Water	200.8	
MB 280-691305/1-A	Method Blank	Total Recoverable	Water	200.8	
LCS 280-691305/2-A	Lab Control Sample	Total Recoverable	Water	200.8	
280-205801-1 MS	CW-01	Dissolved	Water	200.8	
280-205801-1 MSD	CW-01	Dissolved	Water	200.8	
Analysis Batch: 691	609				
Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
280-205801-1	CW-01	Dissolved	Water	200.8	691305
280-205801-2	CW-02	Dissolved	Water	200.8	691305
200 205001 2	014/ 02	Disastrad	Matar	000.0	004005

280-205801-2	CW-02	Dissolved	Water	200.8	691305
280-205801-3	CW-03	Dissolved	Water	200.8	691305
MB 280-691305/1-A	Method Blank	Total Recoverable	Water	200.8	691305
LCS 280-691305/2-A	Lab Control Sample	Total Recoverable	Water	200.8	691305
280-205801-1 MS	CW-01	Dissolved	Water	200.8	691305
280-205801-1 MSD	CW-01	Dissolved	Water	200.8	691305

Lab Sample ID: 280-205801-1

Matrix: Water

Matrix: Water

11

Client Sample ID: CW-01
Date Collected: 04/09/25 08:06
Date Received: 04/11/25 09:27
Date Received: 04/11/25 09:27

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Dissolved	Prep	200.8			50 mL	50 mL	691305	04/11/25 13:04	SLH	EET DEN
Dissolved	Analysis	200.8		1			691609	04/14/25 15:43	LMT	EET DEN
Client Sam	ple ID: CW	-02					La	b Sample I	D: 280-	205801-2

Client Sample ID: CW-02 Date Collected: 04/10/25 09:09 Date Received: 04/11/25 09:27

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Dissolved	Prep	200.8			50 mL	50 mL	691305	04/11/25 13:04	SLH	EET DEN
Dissolved	Analysis	200.8		1			691609	04/14/25 15:55	LMT	EET DEN

Client Sample ID: CW-03 Date Collected: 04/11/25 08:00 Date Received: 04/11/25 09:27

Lab Sample	ID: 280-205801-3
	Matrix: Water

	Batch	Batch		Dil	Initial	Final	Batch	Prepared			
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab	
Dissolved	Prep	200.8			50 mL	50 mL	691305	04/11/25 13:04	SLH	EET DEN	
Dissolved	Analysis	200.8		1			691609	04/14/25 15:58	LMT	EET DEN	

Laboratory References:

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

Client: Grand Island Resources 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	06-30-25
Connecticut	State	PH-0686	09-30-26
Florida	NELAP	E87667	06-30-25
Georgia	State	4025	01-08-26
Illinois	NELAP	200017	05-31-25
lowa	State	370	12-01-26
Kansas	NELAP	E-10166	04-30-25
Kentucky (WW)	State	KY98047	12-31-25
Louisiana	NELAP	30785	06-30-14 *
Louisiana (All)	NELAP	30785	06-30-25
Vinnesota	NELAP	1788752	12-31-25
Nevada	State	CO00026	07-31-25
New Hampshire	NELAP	2053	04-28-25
New Jersey	NELAP	230001	06-30-25
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	013	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	06-14-25
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	10-31-26

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

Denver		
Eurofins TestAmerica,	4955 Yarrow Street	Arvada, CO 80002

Chain of Custody Record

seurofins المستحسمين المستحسمين المستحسمين المستحسمين المستحسمين المستحسمين المستحسم المستحسم المستحسم المستحسم

Phone (303) 736-0100 Phone (303) 431-7171					
Client Information	Sample: A Revel	Lab Pl Bieni	Lab PM: Bieniulis, Dylan T	Carrier Tracking No(s):	COC No:
Client Contact Brooke Molson Moran	Phone: 303-304-11	SS E-Mail: Dvlan.	E-Mail: Dvlan. Bieniulis@et.eurofinsus.com	State of Origin:	Page:
Company: Grand Island Resources	pwsid:		sis	Requested	Job #:
Address: 12567 West Cedar Road Suite 250	Due Date Requested:				Preservation Codes:
City: Lakewood	TAT Requested (days):		ered)		A - HCL M - Hexane B - NaOH N - None C - 7n Acretate O - AcNaO2
State, Zip: CO, 80466	Compliance Project: Δ Yes Δ No		ili Filt		
Phone: 315-414-6986	Po #: Not required				
Email: <u>bmolsonm@g.emporia.edu</u>	#OM		(oV		I - Ice J - DI Water K - EDTA
Project Name: Nederland, CO	Project #: 28025589		ea ol		L-EDA
site: Groundwater Sampling	SSOW#:		V) QS	of cor	Other:
Sample Identification	Sample Type Sample (C=comp, Sample Date Time G=grab)	Matrix (w=water, s=solid, O=wasteloli, BT=Tissue, A=Air)	M/2M mrota 9vlossid - 8.002	Total Number	Special Instructions/Note:
	X	Preservation Code:			
C1 D-G1	4-9-25 8:00m G	$\langle \cdot \rangle$			
20-07	010				
	00000				
- 1	N' Com)	~		
				280-205801 Chain of Custody	Custody
Possible Hazard Identification	son B Cuntanown Radiological	al	Sample Disposal (A fee may be assessed if samples	assessed if samples are retain Disposal By Lab	are retained longer than 1 month) Archive For Months
1			Requirem		
Empty Kit Relinquished by:	Date:		Time:	Method of Shipment:	
Relinquished By	Daterrine: 9/25 Gigan	Company R	V Frey	22 Date/Time:	S CODIM COMPANY
Relinquished by:	DateClime:	Company	Received by	C Date Mines /25	9 27 Company Delv
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Custody Seals Intact: Custody Seal No.:			Cooler Temperature(s) °C and Other Remarks:	Emarks: 25.3% CUMULA CE	

Client: Grand Island Resources

Login Number: 205801 List Number: 1 Creator: Bieniulis, Dylan T

Question	Answer	Comment
Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>True</td> <td></td>	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	

Job Number: 280-205801-1

List Source: Eurofins Denver



Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Brooke Molson Moran Grand Island Resources 12567 West Cedar Road Suite 110 Lakewood, Colorado 80228 Generated 4/24/2025 1:41:22 PM

JOB DESCRIPTION

Nederland, CO - Groundwater

JOB NUMBER

280-206340-1

Eurofins Denver 4955 Yarrow Street Arvada CO 80002







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Job Notes

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Authorization

-B-J

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

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Definitions/Glossary

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

3

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Qualif	ie

4

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Glossary

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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
C	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: 280-206340-1

Eurofins Denver

Job Narrative 280-206340-1

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

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

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

Receipt

The samples were received on 4/18/2025 9:07 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.1°C.

Method 200.8 - Metals (ICP/MS) - Dissolved

Samples CW-2-01 (280-206340-1), CW-2-02 (280-206340-2), CW-2-03 (280-206340-3), CW-2-04 (280-206340-4) and CW-2-05 (280-206340-5) were analyzed for Metals (ICP/MS) - Dissolved. The samples were prepared on 4/21/2025 and analyzed on 4/23/2025 and 4/24/2025.

The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 280-692560 and analytical batch 280-692976 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.

Eurofins Denver

Detection Summary

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

Job ID: 280-206340-1

Project/Site: Nederland, CO - Groun	uwalei								
Client Sample ID: CW-2-01						Lab Sa	Imp	ple ID: 2	80-206340-1
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Copper	680		2.0	1.0	ug/L	1	- 2	200.8	Dissolved
Client Sample ID: CW-2-02						Lab Sa	m	ple ID: 2	80-206340-2
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Copper	230		2.0	1.0	ug/L	1	- 2	200.8	Dissolved
Client Sample ID: CW-2-03						Lab Sa	Imp	ple ID: 2	80-206340-3
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Copper	340		2.0	1.0	ug/L	1	- 2	200.8	Dissolved
Client Sample ID: CW-2-04						Lab Sa	Imp	ple ID: 2	80-206340-4
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Р гер Туре
Copper	270		2.0	1.0	ug/L	1	- 2	200.8	Dissolved
Client Sample ID: CW-2-05						Lab Sa	Imp	ple ID: 2	80-206340-5
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Copper	61		2.0	1.0	ug/L	1	- 2	200.8	Dissolved

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

Job ID: 280-206340-1

Method	Method Description	Protocol	Laboratory
200.8	Metals (ICP/MS)	EPA	EET DEN
200.8	Preparation, Total Recoverable 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

Eurofins Denver

Sample Summary

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

Job ID: 280-206340-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
280-206340-1	CW-2-01	Water	04/17/25 06:00	04/18/25 09:07
280-206340-2	CW-2-02	Water	04/17/25 09:00	04/18/25 09:07
280-206340-3	CW-2-03	Water	04/17/25 12:00	04/18/25 09:07
280-206340-4	CW-2-04	Water	04/17/25 15:00	04/18/25 09:07
280-206340-5	CW-2-05	Water	04/17/25 18:00	04/18/25 09:07

Job ID: 280-206340-1

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

Client Sample ID: CW-2-01 Date Collected: 04/17/25 06:00 Date Received: 04/18/25 09:07							Lab Sam	ple ID: 280-20 Matrix)6340-1 : Water
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	680		2.0	1.0	ug/L		04/21/25 15:25	04/23/25 04:32	1
Client Sample ID: CW-2-02 Date Collected: 04/17/25 09:00 Date Received: 04/18/25 09:07							Lab Sam	ple ID: 280-20 Matrix)6340-2 : Water
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	230		2.0	1.0	ug/L		04/21/25 15:25	04/23/25 04:50	1
Client Sample ID: CW-2-03 Date Collected: 04/17/25 12:00 Date Received: 04/18/25 09:07									: Water
Analyte		Qualifier	RL	MDL		<u>D</u>	Prepared	Analyzed	Dil Fac
Copper	340		2.0	1.0	ug/L		04/21/25 15:25	04/23/25 05:01	1
Client Sample ID: CW-2-04 Date Collected: 04/17/25 15:00 Date Received: 04/18/25 09:07							Lab Sam	ple ID: 280-20 Matrix)6340-4 : Water
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	270		2.0	1.0	ug/L		04/21/25 15:25	04/23/25 05:04	1
Client Sample ID: CW-2-05 Date Collected: 04/17/25 18:00 Date Received: 04/18/25 09:07							Lab Sam	ple ID: 280-20 Matrix)6340-5 : Water
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	61		2.0	1.0	ug/L		04/21/25 15:25	04/23/25 05:08	1

QC Sample Results

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

Job ID: 280-206340-1

Method: 200.8 - Metals (ICP/MS)

-												
Lab Sample ID: MB 280-692	560/1-A									ole ID: Me		
Matrix: Water									rep typ	e: Total F		
Analysis Batch: 692976										Prep Ba	tch: 6	92560
		MB MB										
Analyte	Re	sult Qualifier		RL	MDL	Unit) Р	repared	Analyz	ed	Dil Fac
Copper		ND		2.0	1.0	ug/L		04/2	21/25 15:25	04/23/25 (04:11	1
Lab Sample ID: LCS 280-69	2560/2-A						Clie	nt Sa	mple ID:	Lab Con	trol Sa	ample
Matrix: Water								F	Prep Typ	e: Total F	Recove	erable
Analysis Batch: 692976										Prep Ba		
-			Spike	LCS	LCS	;				%Rec		
Analyte			Added	Resul	t Qua	lifier	Unit	D	%Rec	Limits		
Copper			40.0	39.9)		ug/L		100	90 - 115		
Lab Sample ID: 280-206340	-1 MS								Client	Sample	D: CV	V-2-01
Matrix: Water										rep Type		
Analysis Batch: 692976										Prep Ba		
Analysis Baton. 002070	Sample	Sample	Spike	MS	S MS					%Rec		02000
Analyte	•	Qualifier	Added	Resul	-	lifier	Unit	D	%Rec	Limits		
Copper	680		40.0		$\frac{4}{4}$		ug/L		104	90 - 115		
_ Lab Sample ID: 280-206340	-1 MSD								Client	Sample	D: CV	V-2-01
Matrix: Water										rep Type		
Analysis Batch: 692976										Prep Ba		
	Sample	Sample	Spike	MSE	MSE	5				%Rec		RPD
Analyte	•	Qualifier	Added	Resul	t Qua	lifier	Unit	D	%Rec	Limits	RPD	Limit

Eurofins Denver

QC Association Summary

Client: Grand Island Resources Project/Site: Nederland, CO - Groundwater Job ID: 280-206340-1

692560

692560

Metals

Prep Batch: 692560

280-206340-1 MS

280-206340-1 MSD

CW-2-01

CW-2-01

ab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch	
80-206340-1	CW-2-01	Dissolved	Water	200.8		
80-206340-2	CW-2-02	Dissolved	Water	200.8		
80-206340-3	CW-2-03	Dissolved	Water	200.8		
80-206340-4	CW-2-04	Dissolved	Water	200.8		
80-206340-5	CW-2-05	Dissolved	Water	200.8		
B 280-692560/1-A	Method Blank	Total Recoverable	Water	200.8		
CS 280-692560/2-A	Lab Control Sample	Total Recoverable	Water	200.8		
30-206340-1 MS	CW-2-01	Dissolved	Water	200.8		
80-206340-1 MSD	CW-2-01	Dissolved	Water	200.8		
alysis Batch: 6929	976				Pren Batch	
alysis Batch: 6929 b Sample ID		Dissolved Prep Type Dissolved	Mater Matrix Water	200.8 Method 200.8		-
alysis Batch: 6929 b Sample ID 0-206340-1	076 Client Sample ID	Ргер Туре	Matrix	Method		
alysis Batch: 6929 b Sample ID 0-206340-1 0-206340-2	Client Sample ID CW-2-01	Prep Type Dissolved	Matrix Water	Method 200.8	692560	•
alysis Batch: 6929 b Sample ID 0-206340-1 0-206340-2 0-206340-3	Client Sample ID CW-2-01 CW-2-02	Prep Type Dissolved Dissolved	Matrix Water Water	Method 200.8 200.8	692560 692560	
alysis Batch: 6929 b Sample ID 0-206340-1 0-206340-2 0-206340-3 0-206340-4	276 Client Sample ID CW-2-01 CW-2-02 CW-2-03	Prep Type Dissolved Dissolved Dissolved	Matrix Water Water Water	Method 200.8 200.8 200.8 200.8	692560 692560 692560	
	Client Sample ID CW-2-01 CW-2-02 CW-2-03 CW-2-04	Prep Type Dissolved Dissolved Dissolved Dissolved	Matrix Water Water Water Water	Method 200.8 200.8 200.8 200.8 200.8	692560 692560 692560 692560	

Dissolved

Dissolved

Water

Water

200.8

200.8

Lab Sample ID: 280-206340-3

Lab Sample ID: 280-206340-4

Lab Sample ID: 280-206340-5

Matrix: Water

Matrix: Water

Matrix: Water

Client Sample ID: CW-2-01 Date Collected: 04/17/25 06:00 Date Received: 04/18/25 09:07

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	692560	04/21/25 15:25	SLH	EET DEN
Dissolved	Analysis	200.8		1			692976	04/23/25 04:32	LMT	EET DEN

Client Sample ID: CW-2-02 Date Collected: 04/17/25 09:00 Date Received: 04/18/25 09:07

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	692560	04/21/25 15:25	SLH	EET DEN
Dissolved	Analysis	200.8		1			692976	04/23/25 04:50	LMT	EET DEN

Client Sample ID: CW-2-03 Date Collected: 04/17/25 12:00 Date Received: 04/18/25 09:07

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	692560	04/21/25 15:25	SLH	EET DEN
Dissolved	Analysis	200.8		1			692976	04/23/25 05:01	LMT	EET DEN

Client Sample ID: CW-2-04 Date Collected: 04/17/25 15:00 Date Received: 04/18/25 09:07

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	692560	04/21/25 15:25	SLH	EET DEN
Dissolved	Analysis	200.8		1			692976	04/23/25 05:04	LMT	EET DEN

Client Sample ID: CW-2-05 Date Collected: 04/17/25 18:00 Date Received: 04/18/25 09:07

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Dissolved	Prep	200.8			50 mL	50 mL	692560	04/21/25 15:25	SLH	EET DEN
Dissolved	Analysis	200.8		1			692976	04/23/25 05:08	LMT	EET DEN

Laboratory References:

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

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

12 13

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	06-30-25
Connecticut	State	PH-0686	09-30-26
Florida	NELAP	E87667	06-30-25
Georgia	State	4025	01-08-26
llinois	NELAP	200017	05-31-25
owa	State	370	12-01-26
Kansas	NELAP	E-10166	04-30-25
Kentucky (WW)	State	KY98047	12-31-25
ouisiana	NELAP	30785	06-30-14 *
₋ouisiana (All)	NELAP	30785	06-30-25
linnesota	NELAP	1788752	12-31-25
levada	State	CO00026	07-31-25
lew Hampshire	NELAP	2053	04-28-25
lew Jersey	NELAP	230001	06-30-25
New York	NELAP	11964	04-01-26
lorth Dakota	State	R-034	01-08-25 *
Oklahoma	NELAP	8614	08-31-25
Dregon	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
JS Fish & Wildlife	US Federal Programs	058448	07-31-25
JSDA	US Federal Programs	P330-20-00065	12-19-25
Jtah	NELAP	QUAN5	06-30-13 *
Jtah	NELAP	CO00026	07-31-25
/irginia	NELAP	460232	06-14-25
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	10-31-26

* 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

Client Information	Sampler:	RALTU	25	Lab Pl Bieni	Lab PM: Bieniulis, Dylan T	T			Carrier Tra	Carrier Tracking No(s):		COC No:		
Client Contact: Brooke Molson Moran	Phone:	04410	22	E-Mail Dylar	E-Mail: <u>Dylan Bieniulis@et.eurofinsus.com</u>	@et.euro	linsus.cor		State of Origin:	gin:		Page:		
Company: Grand Island Resources			PWSID:				Analy	Analysis Requested	quested			Job #:		
Address: 12567 West Cedar Road Suite 250	Due Date Requested:	÷										Preservation Codes:	ň	
City: Lakewood	TAT Requested (days):	ys):			ltered)							B - NaOH C - Zn Acetate		NI - Nevale N - None O - AsNaO2
State, Zp: CO, 80466	Compliance Project	t: ∆Yes ⊿	∆ No		ii blei							D - Nitric Ac E - NaHSO		P - Na2O4S Q - Na2SO3 P N52S2O3
Phone: 315-414-6986	PO #: Not required											G - Amchlor H - Ascorbic		- Naz Sz U3 - H2SO4 - TSP Dodecahydrate
Email: bmolsonm@ <u>g.emporta.edu</u>	:# OM				(on									- Acetone - MCAA
Project Name: Nederland, CO	Project #: 28025589				JO SƏ							K - EUIA L - EDA		- рн 4-5 · other (specify)
Site: Groundwater Sampling	SSOW#:				Y) ası							Other:		
Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (w=water, s=solid, o=waste/oll, BT=Tissue, A=AIr)	Field Filtered Perform MSK m2016 2003 - Dissolve							Total Number S	cial Instru	Special Instructions/Note:
	X	X	Preserva	Preservation Code:	Ž								$\ $	
10-8 00	4-17-25	í e.	7	()	\times									
C. C 7 - C. 2	1.	gam	5		×.									
1.10-2-03	4-17-25	1200	2	(\times									
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Cuc -2-05	4.0-25	1007	Ŀ	(\mathcal{C})	\times					F		_		
										280-2	06340 Ch	280-206340 Chain of Custody	ody	
										-	_			
											+			
Possible Hazard Identification					Samo	l le Disnos	al (A fee	mav be ;	ssessed	if sample	s are reta	Samole Disnosal (A fee may be assessed if samoles are retained londer than 1 month)	than 1 m	onth)
ole Skin Irritant	Poison B Unknown	-	Radiological			Return To Client	Client		Disposal Bv Lab	v Lab	An	Archive For	-	Months
ested: I, II, III, IV, Other (specify)			>		Specia	Special Instructions/QC Requirements	ons/QC F	tequireme	nts:					
Empty Kit Relinquished by:		Date:			Time:				Meth	Method of Shipment:	ent:			
Relinquished by: TD 3. LEZa, C2.	Date/Time: ビーバー2 ぐ	563	CAM	Company ほエレ	Re	Received by:		C		Date/Time	Time:		ŭ	Company
Relinquished by: The the the the the	Date/Time:	7.1	5 ANN	Company K	Re	Received by: /	MK	K)	Pate/	Date/Time:	35 00	61250	Company - OC
Relinquished by:	Date/Time:		t mest	Company	Re	Received by:		5		Date/Time	Time:		<u>ర</u>	Company
Custody Seals Intact: Custody Seal No.: Δ Yes Δ No					රි	Cooler Temperature(s) °C and Other Remarks: 7	ature(s) °C	and Other F	emarks: 7	8.7:	CF:U	3	IN: JI	NACIA
					1	1	12	1	9	8	7	5	4	Ver: 01/16/2019
						3						5		

Client: Grand Island Resources

Login Number: 206340 List Number: 1 Creator: Roehsner, Karen P

Question	Answer	Comment
Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>True</td> <td></td>	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	

Job Number: 280-206340-1

List Source: Eurofins Denver