

FOURTH QUARTER 2024

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

JANUARY 30, 2025



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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 December of 2024.

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

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

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

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



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

The quarterly reports must include:

- 1.1. Analytical results for the 7 sampling locations described in Technical Revision #10 (TR10 Figure 6),
- 1.2. Monthly Potentiometric Surface (water table) maps constructed from water table measurements taken during the sampling events. Figures 30, 31 and 32 depict surfaces for the months of October, November and December 2024, 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 December 4, 2024, serves as the sample for the Fourth Quarter 2024 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 Fourth Quarter of 2024 (December 4, 2024) 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 December 2024. The results are presented as required and in accordance with the revised Analytical Parameters approved by DRMS as described in the preceding paragraph, the test results are compared with the most stringent concentrations (Standard) based on DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT Water Quality Control Commission REGULATION NO. 41 -THE BASIC STANDARDS FOR GROUNDWATER 5 CCR 1002-41. Water Quality Analytical Results from the Laboratories are provided in the appendices of this report.



Table 2.1.1 Groundwater Quality Test Results – Sample Date December 4, 2024

Parameter	Standard	Cross Well	Caribou Well	Compliance Well	Compliance Well Duplicate	Unit	Comments
~	~	~	~	~	~	~	~
Aluminum (AI)	5	ND	ND	ND	ND	mg/l	Dissolved
Antimony (Sb)	0.006	ND	ND	ND	ND	mg/l	Dissolved
Arsenic (As)	0.01	ND	ND	ND	ND	mg/l	Dissolved
Barium (Ba)	2	0.029	0.0068	0.044	0.045	mg/l	Dissolved
Beta and Photon Emitters	4	1.29	1.11	0.869	1.2	pCi/l	Std is in mrem/year; Lab reports pCi/
Boron (B)	0.75	0.002	ND	0.0022	0.0022	mg/l	Dissolved
Cadmium (Cd)	0.005	ND	ND	ND	ND	mg/l	Dissolved
Chloride (CI)	250	3.7	ND	3.3	3.3	mg/l	Dissolved
Copper (Cu)	0.2	0.0036	3.4	ND	ND	mg/l	Dissolved
Gross Alpha Particle Activity	15	-0.13	1.81	0.37	0.524	pCi/l	
Iron (Fe)	0.3	0.011	0.013	0.0096	0.0092	mg/l	Dissolved
Lead (Pb)	0.05	ND	0.0024	0.00031	0.00025	mg/l	Dissolved
Manganese (Mn)	0.05	0.0035	ND	0.0073	0.0074	mg/l	Dissolved
Molybdenum (Mo)	0.21	0.00077	ND	0.005	0.0049	mg/l	Dissolved
Nitrate (NO3)	10	0.32	0.14	0.34	0.34	mg/l as N	Dissolved
Nitrate-Nitrite (total)	10.0	0.33	0.085	0.33	0.33	mg/l as N	Dissolved
pH (field)	6.5 - 8.5	7	6.7	7.9	7.9	pH units	
Sulfate (SO4)	250	9	2.5	10	10	mg/l	Dissolved
TDS	400	92	53	84	99	mg/l	Total
Uranium (U)	0.0168 -0.03	0.000061	ND	0.00019	0.00019	mg/l	Dissolved
Zinc (Zn)	2	0.93	0.025	0.093	0.095	mg/l	Dissolved
The highlighted cells Indicate	Test Results Highe	er than the Referen	ce Values from	Reg. 5 CCR 10	002-41		
"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 - October, 2.2.2 November, and 2.2.3 December, provide date and groundwater elevations. The groundwater elevations shown on the tables were used to develop the potentiometric water surfaces depicted on Figures 30, 31, and 32 for the month of October, November and December 2024, respectively.

Table 2.2.1 Wells and Winze Groundwater Elevation - October 23, 2024

Groundwate	r Elevation - O	ctober
WELL	COLLAR ELEV.	10/23/2024
VVELL	Ft. A	MSL
Caribou	9,744.25	9,708.97
Cabin (Compliance)	9,677.35	9,634.37
Cross	9,692.85	9,647.51
Winze	9,697.48	9,647.30

Table 2.2.2 Wells and Winze Groundwater Elevation – November 23, 2024

Groundwater	Elevation - Nov	vember
WELL	COLLAR ELEV.	11/23/2024
VVELL	Ft. A	MSL
Caribou	9,744.25	9,709.77
Cabin (Compliance)	9,677.35	9,634.76
Cross	9,692.85	9,650.05
Winze	9,697.48	9,612.20

Table 2.2.3 Wells and Winze Groundwater Elevation – December 4, 2024

Groundwater	Elevation - Dec	cember
WELL	COLLAR ELEV.	12/4/2024
VVELL	Ft. A	MSL
Caribou	9,744.25	9,710.07
Cabin (Compliance)	9,677.35	9,634.92
Cross	9,692.85	9,651.24
Winze	9,697.48	9,605.10



Figure 30 Potentiometric Water Surface - October 2024

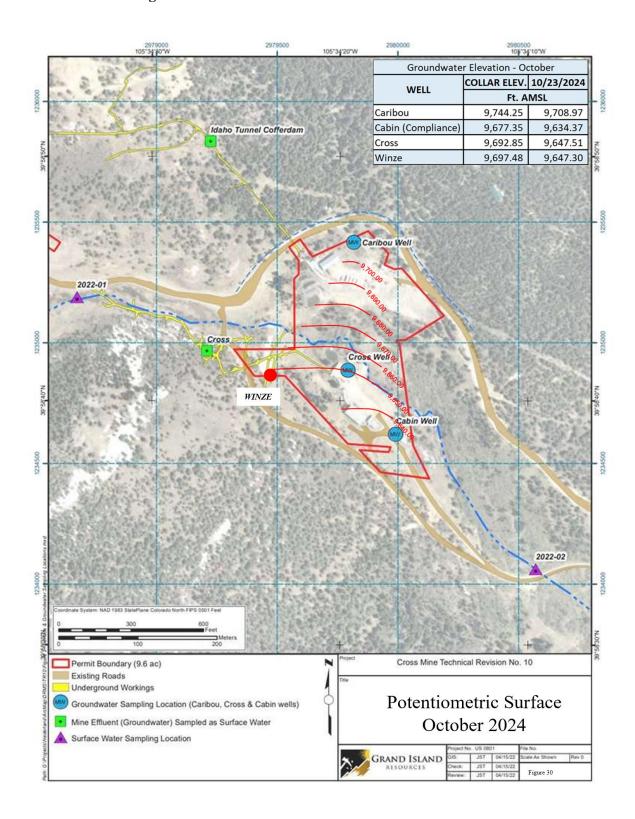




Figure 31 Potentiometric Water Surface - November 2024

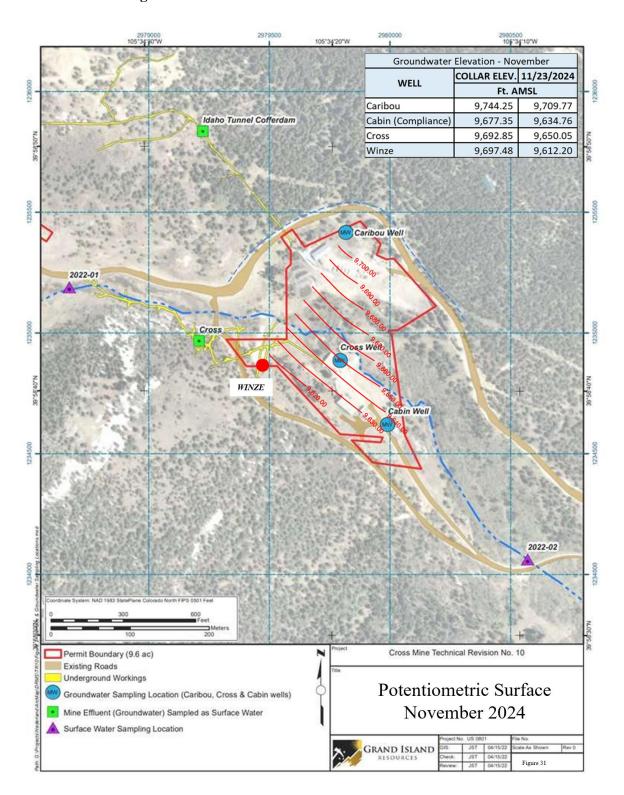
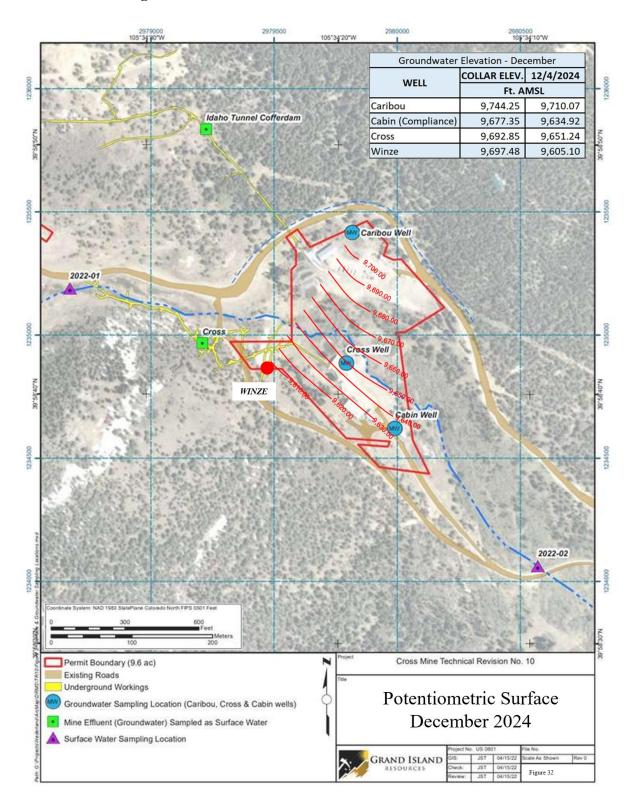




Figure 32 Potentiometric Water Surface – December 2024





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 December 2024. The complete Water Quality Analytical Results from the Laboratories are provided in Appendix A.

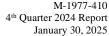
Mine effluent reports to the Water Treatment Plant and discharges via the NPDES permit CO-0032751 Outfall 001 (see section 6 for DMR Copy of Record).



Table 3.1 Effluent Quality Test Results – Sample Date December 4, 2024

Parameter	Standard	Cross Portal	Cross Portal Duplicate	Caribou Portal	Field Blank	Unit	Comments
▼	▼	~	~	~	~	~	▼
Aluminum (AI)	5	ND	ND	ND	0.046	mg/l	Dissolved
Antimony (Sb)	0.006	0.00052	0.00046	0.00068	ND	mg/l	Dissolved
Arsenic (As)	0.01	ND	ND	0.0005	ND	mg/l	Dissolved
Barium (Ba)	2	0.072	0.071	0.062	0.0021	mg/l	Dissolved
Beta and Photon Emitters	4	0.644	0.871	0.82	-0.291	pCi/l	Std is in mrem/year; Lab reports pCi/
Boron (B)	0.75	0.0024	0.003	0.0027	ND	mg/l	Dissolved
Cadmium (Cd)	0.005	0.0012	0.0012	ND	ND	mg/l	Dissolved
Chloride (CI)	250	ND	ND	ND	ND	mg/l	Dissolved
Copper (Cu)	0.2	0.0031	0.0023	ND	0.0028	mg/l	Dissolved
Gross Alpha Particle Activity	15	0.629	-0.592	5.75	0.0564	pCi/l	
Iron (Fe)	0.3	0.012	0.012	0.011	0.013	mg/l	Dissolved
Lead (Pb)	0.05	0.00084	0.00079	0.00033	ND	mg/l	Dissolved
Manganese (Mn)	0.05	0.0071	0.0074	0.0013	ND	mg/l	Dissolved
Molybdenum (Mo)	0.21	0.0074	0.0075	0.0072	ND	mg/l	Dissolved
Nitrate (NO3)	10	0.098	0.096	ND	ND	mg/l as N	Dissolved
Nitrate-Nitrite (total)	10.0	0.049	0.049	0.11	ND	mg/l as N	Dissolved
pH (field)	6.5 - 8.5	8.1	8.1	8.4	n/a	pH units	
Sulfate (SO4)	250	12	12	9.6	0.81	mg/l	Dissolved
TDS	400	120	150	130	10	mg/l	Total
Uranium (U)	0.0168 -0.03	0.001	0.001	0.0067	ND	mg/l	Dissolved
Zinc (Zn)	2	0.25	0.24	0.0062	ND	mg/l	Dissolved
The highlighted cells Indicate	•	r than the R	eference Values	from Reg. 5 Co	CR 1002-41		

"ND" Indicates Not Detected





4. Surface Water Monitoring

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

4.1. Water Quality Analytical Results

Surface water samples were not collected on December 4, 2014, 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 December 4, 2024 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 to identify errors is implemented via testing of one or more of the following Field or Laboratory: Duplicate Samples, Field Blanks and Matrix Spikes.

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

5.1. Groundwater

Trip Blank Samples were collected at the Cross Well and Field Duplicate samples were collected from the Cabin Well (Compliance) during the December 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.

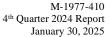
5.2. Mine Effluent

Field Duplicate samples were collected from the Cross Portal during the December 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 December 4, 2024 sampling event.

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6. NPDES permit CO-0032751 Outfall 001

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

Tables 6.1, 6.2, 6.3 and 6.4 present the DMR Copies of Record filed by the Operator with CDPHE for the months of September, October, November and December 2024, respectively.



Table 6.1 DMR September 2024

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 email address), confidential business information (CBI), or if you intend to assert a CBI claim on any of the submitted information. Pursuant to 40 CFR 2.203(a), EPA is providing you with notice that all CBI claims must be asserted at the time of submission. EPA cannot accommodate a late CBI claim to cover previously submitted information because efforts to protect the information are not administratively practicable since it may already be disclosed to the public. Although we do not foresee a need for persons to assert a CBI claim or CBI based on the types of information requested in this form, if persons wish to assert a CBI claim we direct submitters to contact the NPDES eReporting Help Desk for further guidance. Please note that EPA may contact you after you submit this report for more information.

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						Sample								=	7.9	=	8.8	04 - deg C		99/99 - Continuous	RC - Recorder (auto)
00010	Temperature, water deg. centigr		1 - Effluent	0		Permit									Req Mon MX WK AV		Req Mon DAILY MX	04 - deg C	0	99/99 - Continuous	RC - Recorder
	, , , , , , , , , , , , , , , , , , , ,		Gross			Req. Value												C	-		(auto)
						NODI															
						Sample						=	7.7			=	8.1	12 - SU		02/30 - Twice Per Month	GR - GRAB
00400	pH		1 - Effluent Gross	0		Permit Req.						>=	6.5 MINIMUM			<=	9.0 MAXIMUM	12 - SU	0	02/30 - Twice Per Month	GR - GRAB
			GIUSS			Value							WIIIWIGIVI							WORLD	
		-				NODI Sample								<	4.0	<	4.0	19 - mg/		01/30 - Monthly	GR - GRAB
			1 - Effluent			Permit											45.0 DAILY MX	19 - mg/	1	01/30 - Monthly	GR - GRAB
00530	Solids, total suspended		Gross	0		Req. Value								-	50.0 5057 7770	-	TO DAIL! IIIX	10 mg/	0	o i o o - i i i o i a i y	OK GIGIB
						NODI															
						Sample Permit									5.0			28 - ug/L		01/30 - Monthly	GR - GRAB
00978	Arsenic, total recoverable		1 - Effluent Gross	0		Req.									Req Mon 30DA AVG			28 - ug/L	0	01/30 - Monthly	GR - GRAB
						Value NODI															
						Sample								=	9.9			28 - ug/L		01/30 - Monthly	GR - GRAB
00980	Iron, total recoverable		1 - Effluent	0		Permit Req.									Req Mon 30DA AVG			28 - ug/l	. 0	01/30 - Monthly	GR - GRAB
	,		Gross			Value													1		
						NODI Sample								=	11.0	=	11.0	28 - ug/L		01/30 - Monthly	GR - GRAB
			1 - Effluent			Permit											1500.0 DAILY MX	28 - ug/L		01/30 - Monthly	GR - GRAB
01094	Zinc, total recoverable		Gross	0		Req. Value													0		
						NODI															
						Sample Permit											1.0	28 - ug/L		01/30 - Monthly	GR - GRAB
01113	Cadmium, total recoverable		1 - Effluent Gross	0		Req.								<=	50.0 30DA AVG	<=	300.0 DAILY MX	28 - ug/L	0	01/30 - Monthly	GR - GRAB
						Value NODI															
																				02/30 - Twice Per	



Table 6.1 DMR September 2024 (continued)

	Chromium, trivalent total	1 - Effluent			Permit Req.					Req Mon DAILY MX	28 - ug/L	01/30 - Monthly	GR - GRAB
					Sample				<	20.0	28 - ug/L	01/30 - Monthly	GR - GRAB
JJJ02	On and grease	Gross	0		Value NODI					9 - Conditional Monitoring - Not Required This Period			
กรรดว	Oil and grease	1 - Effluent	0		Permit Req.				<=	10.0 INST MAX	19 - mg/L	77/77 - Contingent	GR - GRAB
					NODI Sample								
11323	Selenium, potentially dissolvd	Gross	0		Req. Value			4		,	-9-	0	
14000	Colonium automi III III II	1 - Effluent			Sample Permit		-	Req Mon 30DA AVG	=	Req Mon DAILY MX	28 - ug/L 28 - ug/L	01/30 - Monthly 0 1/30 - Monthly	GR - GRAB
					NODI			4.6		4.6	28 - 110/1	01/30 - Monthly	GR - GRAB
)1322	Nickel, potentially dissolvd	Gross	0		Req. Value			NEU MUIT SUDA AVG		NOT MALL MA	20 - ug/L	0 01/30 - Monthly	GR - GRAD
		1 - Effluent			Sample Permit		<	3.0 Req Mon 30DA AVG	<	Req Mon DAILY MX	28 - ug/L 28 - ug/L	01/30 - Monthly	GR - GRAB GR - GRAB
					NODI			2.2			20.	04/00	00.00
1319	Manganese, potentially dissolvd	1 - Effluent Gross	0		Req. Value			Req Mon 30DA AVG		Req Mon DAILY MX	28 - ug/L	0 01/30 - Monthly	GR - GRAB
		1 540			Sample Permit		<	3.0	<	3.0	28 - ug/L	01/30 - Monthly	GR - GRAB
					Value NODI								
)1318	Lead, potentially dissolvd	1 - Effluent Gross	9		Permit Req.		<=	5.3 30DA AVG	<=	115.0 DAILY MX	28 - ug/L	0 02/30 - Twice Per Month	GR - GRAB
		1 560			Sample		=	0.71	=	1.0	28 - ug/L	02/30 - Twice Per Month	GR - GRAB
					NODI							02/20 Tuing Par	
01314	Chromium, trivalent, potentially dissolvd	1 - Effluent Gross	0		Req. Value			Req Mon 30DA AVG			28 - ug/L	0 01/30 - Monthly	GR - GRAB
	Chromium trivolo-ttti-lli	1 5#0			Sample Permit		<	20.0			28 - ug/L	01/30 - Monthly	GR - GRAB
					NODI			Detection					
1313	Cadmium, potentially dissolvd	Gross	9		Req.			B - Below Detection Limit/No				0 Month	
1212	Cadmium potentially discolud	1 - Effluent	9		Permit		<=	0.87 30DA AVG	<=	3.0 DAILY MX	20	02/30 - Twice Per	GR - GRAB
					Sample				<	1.0	28 - ug/L	02/30 - Twice Per Month	GR - GRAB
		GIUSS			Value NODI								
1309	Arsenic, potentially dissolved	1 - Effluent Gross	0		Permit Req.					Req Mon DAILY MX	28 - ug/L	01/30 - Monthly	GR - GRAB
					Sample				<	5.0	28 - ug/L	01/30 - Monthly	GR - GRAB
		51033			Value NODI								
1306	Copper, potentially dissolved	1 - Effluent Gross	9		Permit Req.		<=	19.0 30DA AVG	<=	28.0 DAILY MX	28 - ug/L	02/30 - Twice Per	GR - GRAB
					Sample		=	0.44	=	0.87	28 - ug/L	02/30 - Twice Per Month	GR - GRAB
					Value NODI			B - Below Detection Limit/No Detection					
01304	Silver, potentially dissolved	Gross	9		Req.		ζ=		<=	J.U DAILT IVIA	20 - ug/L	0 Month	GR - GRAB
		1 - Effluent			Permit		<=	0.17 30DA AVG	<=	3.8 DAILY MX	20	Month 02/30 - Twice Per	GR - GRAB
					Sample				<	0.5	28 - ug/L	02/30 - Twice Per	GR - GRAB
		Gross			Value NODI							monu.	
)1303	Zinc, potentially dissolved	1 - Effluent	9		Permit		<=	257.0 30DA AVG	<=	248.0 DAILY MX	28 - ug/L	03/30 Turico Por	GR - GRAB
					Sample		=	19.0	=	20.0	28 - ug/L	02/30 - Twice Per Month	GR - GRAB
	Cr]	Gluss			Value NODI								
1220	Chromium, hexavalent dissolved [as	1 - Effluent Gross	0		Permit Req.			Req Mon 30DA AVG		Req Mon DAILY MX	28 - ug/L	01/30 - Monthly	GR - GRAB
					Sample		<	20.0	<	20.0	28 - ug/L	01/30 - Monthly	GR - GRAB
		01033			Value NODI							NOTE:	
1119	Copper, total recoverable	1 - Effluent Gross	0		Permit Req.		<=	150.0 30DA AVG	<=	300.0 DAILY MX	28 - ug/L	03/30 Turing Box	GR - GRAB
					Sample		=	1.02	=	1.3	28 - ug/L	02/30 - Twice Per Month	GR - GRAB
					Value NODI								
)1114	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
		1 - Effluent			Sample		-	0.56	-	0.69	28 - ug/L	Month	GR - GRAB



Table 6.1 DMR September 2024 (continued)

			—		NODI											03 -	_		RC - Re
					Sample				-	0.08127	27	-	0.1101			MGD		99/99 - Continuous	(auto)
	low, in conduit or thru treatment lant	1 - Effluent Gross	9		Permit Req.				<=	0.129 30	30DA AVG		Req Mon DAI	Y MX		03 - MGD	0	99/99 - Continuous	RC - Re (auto)
					Value NODI														
			-	-	Sample				<	1.0						19 - mg	/L	01/30 - Monthly	GR - GF
51202 Su	iulfide-hydrogen sulfide undissociated]	1 - Effluent	0		Permit Req.					Req Mo	Mon 30DA AVG					19 - mg	/L 0	01/30 - Monthly	GR - GR
[ur	undissociated]	Gross			Value														
			_	+	NODI Sample				<	0.2		<	0.2			28 - ug/	n.	01/30 - Monthly	GR - GR
71000 84-	And all front 1 m 2	1 - Effluent	0		Permit				<=		DDA AVG	<=	2.0 DAILY MX			28 - ug/		01/30 - Monthly	GR - GR
/1900 IME	fercury, total [as Hg]	Gross	U		Req. Value											-	- 0		
					NODI			AB -										02/30 - Twice Per	
					Sample	-	0.0	abst=0;prst=1										Month	VI - VISU
84066 Oil	il and grease visual	1 - Effluent Gross	0		Permit Req.		Req Mon INST MAX	AB - abst=0;prst=1									0	02/30 - Twice Per Month	VI - VISU
		Gross			Value NODI														
Submission If a parame Edit Check No errors. Comments		ues for the Samp	ole nor E	Effluent Tra	ding, then none	of the followin	ng fields will be su	bmitted for that row: U	Jnits, Number of	Excursions,	s, Frequency of Analysis,	and Samp	le Type.						
If a parame Edit Checi No errors. Comments	ck Errors sts	ues for the Samp	ole nor E	ffluent Tra	ding, then none	of the followin	ng fields will be su	bmitted for that row: U	Inits, Number of	Excursions,	s, Frequency of Analysis,	and Samp	le Type.						
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If a parame Edit Check No errors. Comments	ck Errors ts		ole nor E	Effluent Tra	ding, then none		ig fields will be su	bmitted for that row: U	Inits, Number of	Excursions,	s, Frequency of Analysis,	and Samp	le Type.		Туре			Size	
If a parame Edit Check No errors. Comments Attachmen	ck Errors .ts ents 51_Lab_2024_09_J196927-1_09-19-2	4.pdf	ole nor E	Effluent Tra	ding, then none			bmitted for that row: L	Jnits, Number of	Excursions,	s, Frequency of Analysis,	and Samp	le Туре.	pdf	Туре	1008816		Size	
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Table 6.2 DMR October 2024

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 email address), confidential business information (CBI), or if you intend to assert a CBI claim on any of the submitted information. Pursuant to 40 CFR 2.203(a), EPA is providing you with notice that all CBI claims must be asserted at the time of submission. EPA cannot accommodate a late CBI claim to cover previously submitted information because efforts to protect the information are not administratively practicable since it may already be disclosed to the public. Although we do not foresee a need for persons to assert a claim of CBI based on the types of information requested in this form, if persons wish to assert a CBI claim we direct submitters to contact the NPDES eReporting Help Desk for further guidance. Please note that EPA may contact you after you submit this report for more information.

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

Permit	t																				
Permit	t #: C	00032751					Permit	ttee:			Grand Isla	and Reso	ources LLC			Fa	cility:	CROSS AND CAL	RIBOU	MINES	
Major:	N	0					Permit	ttee Ac	ddress:		12567 W Lakewood					Fa	cility Location:	CROSS AND CAL BOULDER COUN			
Permit	tted Feature: 00)1 kternal Outfa	ıll				Discha	arge:			001-A Treated M	line Wat	er to Coon	Track Cr	eek						
Repor	t Dates & Status						•														
Monito	oring Period: F	om 10/01/24	4 to 10/3	1/24			DMR D	Due Da	ate:		11/28/24					St	atus:	NetDMR Validate	d		
Consi	derations for Form Completion															•					
Oil and	I grease - see I.A.2, pg 3. 30 day a	verage is the	e highest	t month	ly average	during pe	riod repo	orted.													
Princip	pal Executive Officer																				
First N	lame:						Title:									Te	lephone:				
Last N	ame:															•					
No Da	ta Indicator (NODI)																				
Form I	NODI:																				
	Parameter		itoring	Season						y or Loading						or Concentra			# of		Sample Type
Code	Name	Loc	ation	#	NODI		Qualifier 1		Qualifier 2	Value 2	Units	Qualifie 1	r Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Unit	s Ex.	Analysis	
						Sample								=	8.4	-	9.5	04 - de C	g	99/99 - Continuous	RC - Recorder (auto)
00010	T	1 - Efflu	uent			Permit									Req Mon MX WK AV		Req Mon DAILY MX	04 - de	g 0	99/99 - Continuous	RC - Recorder
00010	Temperature, water deg. centigra	Gross		0		Req. Value									REQ MIDTI MIX WK AV		Red Moli DAILY MX	С	0	99/99 - Continuous	(auto)
						NODI															
						Sample						=	7.4			=	8.1	12 - S	J	02/30 - Twice Per Month	GR - GRAB
00400	nH	1 - Efflu	uent	0		Permit						>=	6.5			<=	9.0 MAXIMUM	12 - S	1 0	02/30 - Twice Per	GR - GRAB
00400	P	Gross				Req. Value							MINIMUM					12 0	-	Month	0.0.0
						NODI															
						Sample Permit									4.0		4.0	19 - m		01/30 - Monthly	GR - GRAB
00530	Solids, total suspended	1 - Efflu Gross	uent	0		Req.								<=	30.0 30DA AVG	<=	45.0 DAILY MX	19 - m	g/L o	01/30 - Monthly	GR - GRAB
						Value NODI															
						Sample								<	5.0			28 - u <u>į</u>	/L	01/30 - Monthly	GR - GRAB
00978	Arsenic, total recoverable	1 - Efflu	uent	0		Permit Req.									Req Mon 30DA AVG			28 - u <u>i</u>	/L o	01/30 - Monthly	GR - GRAB
		Gross		-		Value													- T		
						NODI Sample								-	26.0	_		28 - u	/L	01/30 - Monthly	GR - GRAB
		1 - Efflu	uent			Permit									Req Mon 30DA AVG			28 - u		01/30 - Monthly	GR - GRAB
00980	Iron, total recoverable	Gross		0		Req. Value									Title			20 0,	0	o monuny	OK OKOLD
						NODI															
						Sample Permit									18.0		18.0	28 - u		01/30 - Monthly	GR - GRAB
01094	Zinc, total recoverable	1 - Efflu Gross	uent	0		Req.								<=	750.0 30DA AVG	<=	1500.0 DAILY MX	28 - u	^{/L} 0	01/30 - Monthly	GR - GRAB
		0.033				Value NODI															
						Sample								<	1.0	<	1.0	28 - u	/L	01/30 - Monthly	GR - GRAB
01112	Cadmium, total recoverable	1 - Efflu	uent	0		Permit Req.								<=	50.0 30DA AVG	<=	300.0 DAILY MX	28 - u	/L 0	01/30 - Monthly	GR - GRAB
0.113	Sacrifiant, total recoverable	Gross				Value													- 0		
						NODI														02/20 Tuios C	
																				02/30 - Twice Per	



Table 6.2 DMR October 2024 (continued)

				Sample		=	0.94	=	1.5	28 - ug/L	Month	GR - GRAB
1114	Lead, total recoverable	1 - Effluent Gross	0	 Permit		<=	300.0 30DA AVG	<=	600.0 DAILY MX	28 - ug/L	02/30 - Twice Per	GR - GRAB
				Value NODI							Month	
				Sample		=	1.3	=	2.6	28 - ug/L	02/30 - Twice Per Month	GR - GRAB
110	Copper, total recoverable	1 - Effluent	0	 Permit		<=	150.0 30DA AVG	<=	300.0 DAILY MX	28 - ug/L (02/30 - Twice Per	GR - GRAB
1113	copper, total recoverable	Gross		Req. Value		-	150.0 50077770		SOURCE INC.	Lo ugre	Month	OK GIVID
				NODI Sample		<	20.0	<	20.0	28 - ug/L	01/30 - Monthly	GR - GRAB
	Chromium, hexavalent dissolved [as	1 - Effluent		Permit			Req Mon 30DA AVG		Req Mon DAILY MX	28 - ug/L		GR - GRAB
1220	Cr]	Gross	0	 Value NODI			ineq inon societies		inequisit State into	10 191 () 0.130 1.101.11.1	or orde
				Sample		=	21.0	=	23.0	28 - ug/L	02/30 - Twice Per Month	GR - GRAB
303	Zinc, potentially dissolved	1 - Effluent Gross	10	 Permit Req.		<=	262.0 30DA AVG	<=	291.0 DAILY MX	28 - ug/L 0	02/30 - Twice Per Month	GR - GRAB
		01033		Value								
				NODI Sample				<	0.5	28 - ug/L	02/30 - Twice Per	GR - GRAB
		1 - Effluent		Permit		<=	0.17 30DA AVG	<=	4.5 DAILY MX	28 - ug/L	Month 02/30 - Twice Per	GR - GRAB
1304	Silver, potentially dissolved	Gross	10	 Value		ζ=	B - Below Detection Limit/No	ζ=	4.5 DAILT WA	20 - ug/L () Month	GR - GRAD
				NODI			Detection			20	02/30 - Twice Per	CD CD40
		1 - Effluent		Sample Permit		=	1.55	=	3.1	28 - ug/L	Month 02/30 - Twice Per	GR - GRAB
1306	Copper, potentially dissolved	Gross	10	 Req.		<=	19.0 30DA AVG	<=	28.0 DAILY MX	28 - ug/L 0	Month Month	GR - GRAB
				Value NODI								
				Sample Permit				<	5.0	28 - ug/L	01/30 - Monthly	GR - GRAB
1309	Arsenic, potentially dissolved	1 - Effluent Gross	0	 Req.					Req Mon DAILY MX	28 - ug/L	01/30 - Monthly	GR - GRAB
				Value NODI								
				Sample				<	1.0	28 - ug/L	02/30 - Twice Per Month	GR - GRAB
1313	Cadmium, potentially dissolvd	1 - Effluent	10	 Permit Req.		<=	0.89 30DA AVG	<=	3.6 DAILY MX	28 - ug/L	02/30 - Twice Per	GR - GRAB
	,	Gross		Value NODI			B - Below Detection Limit/No Detection					
				Sample		<	20.0			28 - ug/L	01/30 - Monthly	GR - GRAB
1314	Chromium, trivalent, potentially dissolvd	1 - Effluent Gross	0	 Permit Req.			Req Mon 30DA AVG			28 - ug/L	01/30 - Monthly	GR - GRAB
	dissolvu	GIUSS		Value NODI								
				Sample		=	0.93	=	1.5	28 - ug/L	02/30 - Twice Per Month	GR - GRAB
1318	Lead, potentially dissolvd	1 - Effluent	10	 Permit		<=	5.4 30DA AVG	<=	135.0 DAILY MX	28 - ug/L (02/30 - Twice Per	GR - GRAB
	,	Gross		Req. Value							Month	
				NODI Sample		-	1.1	=	1.1	28 - ug/L	01/30 - Monthly	GR - GRAB
1210		1 - Effluent		Permit			Reg Mon 30DA AVG		Req Mon DAILY MX	28 - ug/L		GR - GRAB
1319	Manganese, potentially dissolvd	Gross	0	 Req. Value					1,7		, , , , ,	
				NODI Sample		<	3.0	<	3.0	28 - ug/L	01/30 - Monthly	GR - GRAB
		1 - Effluent		Permit		1	Req Mon 30DA AVG		Req Mon DAILY MX	28 - ug/L		GR - GRAB
1322	Nickel, potentially dissolvd	Gross	0	 Req. Value					,	may 1)	51015
				NODI			5.0		5.0	20	01/20 11	CD CD:
		1 - Effluent		Sample Permit		<	5.0 Req Mon 30DA AVG	<	5.0 Req Mon DAILY MX	28 - ug/L	01/30 - Monthly	GR - GRAB
1323	Selenium, potentially dissolvd	Gross	0	 Req. Value			TOTAL MODEL AND		TOOL BAILT HA	ZO - UG/L C	01/30 - Monthly	GK - GKAB
				NODI								
				Sample Permit				<=	10.0 INST MAX	19 - mg/L	77/77 - Contingent	GR. GRAP
3582	Oil and grease	1 - Effluent Gross	0	 Req. Value NODI				-	9 - Conditional Monitoring - Not Required This	.o - mgrc	7777 - Contingent	OK - GRAD
								,	Period 20.0	28 - µo/l	01/30 - Monthly	GR - GRAB
				Sample Permit				<	20.0	28 - ug/L	01730 - Monthly	GR - GRAB



Table 6.2 DMR October 2024 (continued)

04202	recoverable	Gross	0		Value NODI												0		
					Sample						=	0.092552	=	0.1327		03 - MGD		99/99 - Continuous	RC - Rei (auto)
50050	Flow, in conduit or thru treatment	1 - Effluent	10		Permit						<=	0.103 30DA AVG		Req Mon DAILY M	x	03 - MGD	0	99/99 - Continuous	RC - Re
	plant	Gross			Req. Value									-		MGD	-		(auto)
					NODI														
		4 577			Sample Permit						<	1.0				19 - mg/		01/30 - Monthly	GR - GR
51202	Sulfide-hydrogen sulfide [undissociated]	1 - Effluent Gross	0		Req.							Req Mon 30DA AVG				19 - mg/	0	01/30 - Monthly	GR - GR
					Value NODI														
					Sample						<	0.2	<	0.2		28 - ug/l		01/30 - Monthly	GR - GR
71900	Mercury, total [as Hg]	1 - Effluent	0		Permit Req.						<=	1.0 30DA AVG	<=	2.0 DAILY MX		28 - ug/l	0	01/30 - Monthly	GR - GR
	,	Gross			Value NODI														
					Sample		-	0.0	AB -									02/30 - Twice Per	VI - VISU
		1 - Effluent			Permit				abst=0;prst=1 AB -									Month 02/30 - Twice Per	
84066	Oil and grease visual	Gross	0		Req.			Req Mon INST MAX	abst=0;prst=1								0	02/30 - Twice Per Month	VI - VISU
					Value NODI														
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Table 6.3 DMR November 2024

DMR Copy of Record

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

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

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Permit																				
Permit	#: C	O0032751				Permit	ttee:			Grand Isla	nd Res	ources LLC	3		Fa	cility:	CROSS AND CA	RIBOL	MINES	
Major:	N	0				Permit	ttee A	ddress:		12567 W (Lakewood					Fa	cility Location:	CROSS AND CAI BOULDER COUN			
Permit		01 xternal Outfall				Discha	arge:			001-A Treated M	ine Wat	er to Coon	Track Co	eek						
Report	Dates & Status																			
Monito	ring Period: F	rom 11/01/24 to 1	1/30/24			DMR I	Due D	ate:		12/28/24					St	atus:	NetDMR Validate	ed		
Consid	derations for Form Completion																			
Oil and	grease - see I.A.2, pg 3. 30 day	average is the high	est mon	thly average	e during pe	eriod repo	orted.													
Princip	pal Executive Officer																			
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					Sample								-	5.1	-	5.8	04 - d C	eg	99/99 - Continuous	RC - Recorder (auto)
00010	Temperature, water deg. centigra	1 - Effluent	0		Permit									Reg Mon MX WK AV		Reg Mon DAILY MX	04 - d		99/99 - Continuous	RC - Recorder
00010	remperature, water deg. certigir	Gross			Req. Value									real morning are so		req mort DAILT MX	c	-	55/55 - Continuous	(auto)
					NODI															
					Sample						-	7.6			-	8.1	12 - S	U	02/30 - Twice Per Month	GR - Grab
00400	Ha	1 - Effluent	0		Permit						>=	6.5			<=	9.0 MAXIMUM	12 - S	u o	02/30 - Twice Per	GR - Grab
	r	Gross	1		Req. Value							MINIMUM						-	Month	
					NODI															
					Sample Permit									4.0	<	4.0	19 - п	_	01/30 - Monthly	GR - Grab
00530	Solids, total suspended	1 - Effluent Gross	0		Req.								<=	30.0 30DA AVG	<=	45.0 DAILY MX	19 - п	g/L 0	01/30 - Monthly	GR - Grab
					Value NODI															
					Sample								<	5.0			28 - u	g/L	01/30 - Monthly	GR - Grab
00978	Arsenic, total recoverable	1 - Effluent	0		Permit Req.									Req Mon 30DA AVG			28 - u	g/L o	01/30 - Monthly	GR - Grab
		Gross			Value															
					NODI Sample									100.0			28 - u	n/l	01/30 - Monthly	GR - Grab
		1 - Effluent			Permit								-	Reg Mon 30DA AVG				g/L o		GR - Grab
00980	Iron, total recoverable	Gross	0		Req. Value													0		0.00
					NODI															
					Sample Permit								-	26.0	-	26.0	28 - u		01/30 - Monthly	GR - Grab
01094	Zinc, total recoverable	1 - Effluent Gross	0		Req.								<=	750.0 30DA AVG	<=	1500.0 DAILY MX	28 - u	g/L 0	01/30 - Monthly	GR - Grab
					Value NODI															
					Sample								<	1.0	<	1.0	28 - u	g/L	01/30 - Monthly	GR - Grab
01112	Cadmium, total recoverable	1 - Effluent	0		Permit Req.								<=	50.0 30DA AVG	<=	300.0 DAILY MX	28 - u	g/L o	01/30 - Monthly	GR - Grab
VIII3	Cuamiani, total recoverable	Gross			Value													- 0		
					NODI															
																			02/30 - Twice Per	



Table 6.3 DMR November 2024 (continued)

	Chromium, trivalent total	1 - Effluent		Permit Req.				Req Mon DAILY MX	28 - ug/L	01/30 - Monthly	GR - Grab
				Sample			<	20.0	28 - ug/L	01/30 - Monthly	GR - Grab
		Gross		Value NODI				9 - Conditional Monitoring - Not Required This Period			
3582	Oil and grease	1 - Effluent	0	 Permit Req.			<=	10.0 INST MAX	19 - mg/L	77/77 - Contingent	GR - Grab
				Sample							
	, , , , , , , , , , , , , , , , , , , ,	Gross		Value NODI							
1323	Selenium, potentially dissolvd	1 - Effluent	0	 Permit Req.		Req Mon 30DA AVG		Req Mon DAILY MX		01/30 - Monthly	GR - Grab
				NODI Sample	<	5.0	<	5.0	28 - ug/L	01/30 - Monthly	GR - Grab
1322	Nickel, potentially dissolvd	Gross	0	 Req. Value					0		-
4000	Michael majoritally discreted	1 - Effluent		Sample Permit	<	Req Mon 30DA AVG	ς.	Req Mon DAILY MX	28 - ug/L 28 - ug/L	01/30 - Monthly 01/30 - Monthly	GR - Grab
				NODI		3.0		3.0	28 - pail	01/30 - Monthly	GR - Grab
1319	Manganese, potentially dissolvd	1 - Effluent Gross	0	 Req. Value		Req Mon 30DA AVG		Req Mon DAILY MX	28 - ug/L 0	01/30 - Monthly	GR - Grab
		1 - Efficient		Sample Permit	<	3.0 Pag Mag 20DA AVG	<	3.0 Pan Man DAII V MV	28 - ug/L	01/30 - Monthly	GR - Grab
				Value NODI							
1318	Lead, potentially dissolvd	1 - Effluent Gross	11	 Permit Req.	<=	4.2 30DA AVG	<=	108.0 DAILY MX	28 - ug/L 0	02/30 - Twice Per Month	GR - Grab
		1 - Efficient		Sample	-	0.83	-	0.99	28 - ug/L	02/30 - Twice Per Month	GR - Grab
				NODI						nama. Tuinn De	
1314	Chromium, trivalent, potentially dissolvd	1 - Effluent Gross	0	 Req. Value		Req Mon 30DA AVG			28 - ug/L 0	01/30 - Monthly	GR - Grab
	Chrombun tehralent naturalisti	4 500		Sample Permit	<	20.0			28 - ug/L	01/30 - Monthly	GR - Grab
				NODI		Detection					
1313	Cadmium, potentially dissolvd	Gross	11	 Req. Value		B - Below Detection Limit/No			28 - Ug/L 0	Month	
	0.4-1	1 - Effluent		Permit	<-	0.69 30DA AVG	<=	2.8 DAILY MX	20	Month 02/30 - Twice Per	GR - Grab
				Sample			<	1.0	28 - ug/L	02/30 - Twice Per	GR - Grab
. 5-01	potential transfer	Gross		Value NODI							
1309	Arsenic, potentially dissolved	1 - Effluent	0	 Permit Req.				Req Mon DAILY MX	28 - ug/L 0	01/30 - Monthly	GR - Grab
				NODI Sample			<	5.0	28 - ug/L	01/30 - Monthly	GR - Grab
		Gross		Req. Value			-		3,2 0	Month	
1306	Copper, potentially dissolved	1 - Effluent	11	 Permit	<-	14.0 30DA AVG	<=	22.0 DAILY MX	28 - ug/L ()	Month 02/30 - Twice Per	GR - Grab
				Sample	<	2.0	<	2.0	28 - ug/L	02/30 - Twice Per	GR - Grab
				Value NODI		B - Below Detection Limit/No Detection					
1304	Silver, potentially dissolved	1 - Effluent Gross	11	 Req.	<=	0.13 30DA AVG	<=	3.6 DAILY MX	28 - ug/L 0	Month	GR - Grab
				Sample Permit			<	0.5	28 - ug/L	Month 02/30 - Twice Per	GR - Grab
				NODI						02/30 - Twice Per	
1300	Zinc, potentially dissolved	Gross	11	 Req. Value	<=	202.0 30DA AVG	<=	232.0 DAILY MX	28 - ug/L 0	Month	GR - Grab
14 22	The establishment of	1 - Effluent	44	Sample Permit	-				28 - ug/L	Month 02/30 - Twice Per	
				NODI		24.5	-	27.0	20 - 1200	02/30 - Twice Per	GR - Grab
)1220	Ctl	Gross	0	 Req. Value					0		
	Chromium, hexavalent dissolved [as	1 - Effluent		Sample Permit	<	20.0 Req Mon 30DA AVG	<	20.0 Reg Mon DAILY MX	28 - ug/L 28 - ug/L 0	01/30 - Monthly 01/30 - Monthly	GR - Grab
_				NODI							
1119	Copper, total recoverable	Gross	0	 Req. Value	<=	150.0 30DA AVG	<=	300.0 DAILY MX	28 - ug/L 0	02/30 - Twice Per Month	GR - Grab
		1 - Effluent		Sample Permit	-	0.5	-	1.0	28 - ug/L	Month	GR - Grab
				NODI						02/30 - Twice Per	
		Gross		Req. Value	<-	300.0 30DA AVG	<=	SUU.U DAVILT MA	28 - ug/L 0	Month	GR - Glab
1114	Lead, total recoverable	1 - Effluent	0	 Sample Permit	Ī.	0.88 300.0 30DA AVG	-	1.1 600.0 DAILY MX	28 - ug/L 28 - ug/L	Month 02/30 - Twice Per	GR - Grab



Table 6.3 DMR November 2024 (continued)

	recoverable	Gross	0		Value NODI										0		
					Sample				-	0.09487	-	0.1298		03 - MGD		99/99 - Continuous	RC - (auto
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	11		Permit Req.				<=	0.103 30DA AVG		Req Mon DAILY MX		03 - MGD	0	99/99 - Continuous	RC - I
	piant	Giuss			Value									moD			(date)
					NODI Sample				<	1.0				19 - mg/L	L	01/30 - Monthly	GR - 0
51202	Sulfide-hydrogen sulfide	1 - Effluent	0		Permit Req.					Req Mon 30DA AVG						01/30 - Monthly	GR - 0
STEGE	[undissociated]	Gross			Value NODI												
					Sample				<	0.2	<	0.2		28 - ug/L		01/30 - Monthly	GR - C
71900	Mercury, total [as Hg]	1 - Effluent	0		Permit Req.				<=	1.0 30DA AVG	<=	2.0 DAILY MX		28 - ug/L	0	01/30 - Monthly	GR - 0
	,, (Gross	1		Value NODI										1		
					Sample	-	0.0	AB -								02/30 - Twice Per	VI - Vis
		1 - Effluent			Permit		Req Mon INS	abst=0;prst=1 ST AB -								Month 02/30 - Twice Per	
84066	Oil and grease visual	Gross	0		Req.		MAX	abst=0;prst=1							0	02/30 - Twice Per Month	VI - Vi
					Value NODI												
		es for the Samp	le nor E	muent Trac	aing, then non	e of the follow	ing fields will be	submitted for that row:	Units, Number of E	xcursions, Frequency of Analy	ysis, and Samp	lle Type.					
Edit CI No erro	heck Errors ors.	es for the Samp	le nor E	muent Trac	aing, then non	e of the follow	ing fields will be	submitted for that row:	Units, Number of E	xcursions, Frequency of Analy	ysis, and Samp	lle Type.					
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Table 6.4 DMR December 2024

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						1	1 2			1		2		3		04 - d	en		RC - Recorder
					Sample							=	4.4	=	4.7	С	_	99/99 - Continuous	(auto)
00010	Temperature, water deg. centigra	de 1 - Effluent Gross	0		Permit Req.								Req Mon MX WK AV		Req Mon DAILY MX	04 - d C	leg 0	99/99 - Continuous	RC - Recorder (auto)
		01033			Value														(ddto)
					NODI													02/30 - Twice Per	
					Sample					=	7.9			=	8.1	12 - 9	U	Month	GR - Grab
00400	рН	1 - Effluent Gross	0		Permit Req.					>=	6.5 MINIMUM			<=	9.0 MAXIMUM	12 - 9	SU 0	02/30 - Twice Per Month	GR - Grab
		Gloss			Value						IVIIIVIIVIOIVI							WOTH	
					NODI														
					Sample Permit					-		<	4.0	<	4.0	19 - n		01/30 - Monthly	GR - Grab
00530	Solids, total suspended	1 - Effluent Gross	0		Req.							<=	30.0 30DA AVG	<=	45.0 DAILY MX	19 - n	ng/L 0	01/30 - Monthly	GR - Grab
		Gloss			Value NODI														
					Sample							<	5.0			28 - u	g/L	01/30 - Monthly	GR - Grab
00070		1 - Effluent	0		Permit								Reg Mon 30DA AVG				ig/L 0	01/30 - Monthly	GR - Grab
00978	Arsenic, total recoverable	Gross	U		Req. Value								<u>'</u>				, 0	,	
					NODI														
					Sample							=	16.0			28 - u		01/30 - Monthly	GR - Grab
00980	Iron, total recoverable	1 - Effluent	0		Permit Req.								Req Mon 30DA AVG			28 - u	ıg/L 0	01/30 - Monthly	GR - Grab
		Gross			Value NODI														
					Sample							=	21.0	=	21.0	28 - u	α/I	01/30 - Monthly	GR - Grab
		1 - Effluent			Permit							<=	750.0 30DA AVG	<=	1500.0 DAILY MX		ig/L ₀	01/30 - Monthly	GR - Grab
01094	Zinc, total recoverable	Gross	0		Req. Value							1	JOU. O SUBARY O	,-	1550.0 DAILT WA	20 - 0	9 0	5 1750 - Montally	OIX - Olab
					NODI														
					Sample							<	1.0	<	1.0	28 - u	g/L	01/30 - Monthly	GR - Grab
01113	Cadmium, total recoverable	1 - Effluent	0		Permit Req.							<=	50.0 30DA AVG	<=	300.0 DAILY MX	28 - u	ıg/L o	01/30 - Monthly	GR - Grab
		Gross			Value														
					NODI														
																		02/30 - Twice Per	



Table 6.4 DMR December 2024 (continued)

					Sample		=	0.6	=	0.86	28 - ug/L	Month	GR - Grab
01114	Lead, total recoverable	1 - Effluent Gross	0		Permit		<=	300.0 30DA AVG	<=	600.0 DAILY MX	28 - ug/L 0	02/30 - Twice Per	GR - Grab
					Req. Value							Month	
					NODI				_			02/30 - Twice Per	
		4 500			Sample		-	1.28	=	1.7	28 - ug/L	Month	GR - Grab
1119	Copper, total recoverable	1 - Effluent Gross	0		Permit Req.		<=	150.0 30DA AVG	<=	300.0 DAILY MX	28 - ug/L 0	02/30 - Twice Per Month	GR - Grab
					Value NODI								
					Sample		<	20.0	<	20.0	28 - ug/L	01/30 - Monthly	GR - Grab
1220	Chromium, hexavalent dissolved [as Cr]	1 - Effluent	0		Permit Req.			Req Mon 30DA AVG		Req Mon DAILY MX	28 - ug/L 0	01/30 - Monthly	GR - Grab
	ст	Gross			Value NODI								
					Sample			21.0	_	23.0	28 - ug/L	02/30 - Twice Per	GR - Grab
4202		1 - Effluent	42		Permit							Month 02/30 - Twice Per	
1303	Zinc, potentially dissolved	Gross	12	-	Req. Value		<=	186.0 30DA AVG	<=	182.0 DAILY MX	28 - ug/L 0	Month	GR - Grab
					NODI								
					Sample				<	0.5	28 - ug/L	02/30 - Twice Per Month	GR - Grab
1304	Silver, potentially dissolved	1 - Effluent	12	_	Permit Req.		<=	0.12 30DA AVG	<=	2.8 DAILY MX	28 - ug/L 0	02/30 - Twice Per Month	GR - Grab
	onvol, perconauty areconse	Gross			Value NODI			B - Below Detection Limit/No Detection					
					Sample		<	2.0	<	2.0	28 - ug/L	02/30 - Twice Per	GR - Grab
4007		1 - Effluent	4-		Permit							Month 02/30 - Twice Per	
1306	Copper, potentially dissolved	Gross	12	-	Req.		<=	13.0 30DA AVG	<=	18.0 DAILY MX	28 - ug/L 0	Month	GR - Grab
					Value NODI								
					Sample				<	5.0	28 - ug/L	01/30 - Monthly	GR - Grab
1309	Arsenic, potentially dissolved	1 - Effluent Gross	0		Permit Req.					Req Mon DAILY MX	28 - ug/L 0	01/30 - Monthly	GR - Grab
		3,000			Value NODI								
					Sample				<	1.0	28 - ug/L	02/30 - Twice Per Month	GR - Grab
		1 - Effluent	4.0		Permit		<=	0.63 30DA AVG	<=	2.2 DAILY MX	28 - ug/L 0	02/30 - Twice Per	GR - Grab
)1313	Cadmium, potentially dissolvd	Gross	12	-	Value NODI			B - Below Detection Limit/No Detection			28 - ug/L 0	Month	
					Sample		<	20.0			28 - ug/L	01/30 - Monthly	GR - Grab
	Chromium, trivalent, potentially	1 - Effluent			Permit			Reg Mon 30DA AVG			28 - ug/L 0		GR - Grab
1314	dissolvd	Gross	0		Req. Value			The state of the s			20 092 0	o noo mommy	0.1. 0.10
					NODI								
					Sample		=	0.56	=	0.79	28 - ug/L	02/30 - Twice Per Month	GR - Grab
1318	Lead, potentially dissolvd	1 - Effluent Gross	12		Permit Req.		<=	3.8 30DA AVG	<=	85.0 DAILY MX	28 - ug/L 0	02/30 - Twice Per Month	GR - Grab
					Value NODI								
					Sample		<	3.0	<	3.0	28 - ug/L	01/30 - Monthly	GR - Grab
1319	Manganese, potentially dissolvd	1 - Effluent	0	_	Permit Req.			Req Mon 30DA AVG		Req Mon DAILY MX	28 - ug/L 0	01/30 - Monthly	GR - Grab
1313	manganese, potentially dissolve	Gross			Value								
					NODI Sample		<	3.0	<	3.0	28 - ug/L	01/30 - Monthly	GR - Grab
		1 - Effluent			Permit			Req Mon 30DA AVG		Req Mon DAILY MX		01/30 - Monthly	GR - Grab
1322	Nickel, potentially dissolvd	Gross	0	-	Req. Value				-		0		
					NODI								
		1 Effluent			Sample Permit		<	5.0	<	5.0	28 - ug/L	01/30 - Monthly	GR - Grab
1323	Selenium, potentially dissolvd	1 - Effluent Gross	0	-	Req. Value			Req Mon 30DA AVG		Req Mon DAILY MX	28 - ug/L 0	01/30 - Monthly	GR - Grab
					NODI								
					Sample Permit								
3582	Oil and grease	1 - Effluent Gross	0		Req.				<=	10.0 INST MAX	19 - mg/L	77/77 - Contingent	GR - Grab
_		GIUSS			Value NODI					9 - Conditional Monitoring - Not Required This Period			
					Sample				<	20.0	28 - ug/L	01/30 - Monthly	GR - Grab
	Chromium, trivalent total	1 - Effluent			Permit Req.					Req Mon DAILY MX	28 - ug/L	01/30 - Monthly	GR - Grab



Table 6.4 DMR December 2024 (continued)

04202	recoverable	Gross	0	-	Value NODI											0		
					Sample					=	0.07171	=	0.0951		03 - MGD		99/99 - Continuous	RC - Recorde (auto)
50050	Flow, in conduit or thru treatment	1 - Effluent	12		Permit					<=	0.103 30DA AVG		Req Mon DAILY MX		03 - MGD	0	99/99 - Continuous	RC - Recorde
	plant	Gross			Req. Value										WGD			(auto)
					NODI Sample					<	1.0				19 - mg/	L	01/30 - Monthly	GR - Grab
51202	Sulfide-hydrogen sulfide [undissociated]	1 - Effluent	0		Permit Req.						Req Mon 30DA AVG				19 - mg/		01/30 - Monthly	GR - Grab
31202	[undissociated]	Gross	U	-	Value											U		
					NODI Sample					<	0.2	<	0.2		28 - ug/L		01/30 - Monthly	GR - Grab
74000	Manager Andel for Hell	1 - Effluent	0		Permit					<=	1.0 30DA AVG	<=	2.0 DAILY MX		28 - ug/L		01/30 - Monthly	GR - Grab
/ 1900	Mercury, total [as Hg]	Gross	U	-	Req. Value											- 0		
					NODI			AB -									02/30 - Twice Per	
		1 - Effluent			Sample	-	0.0	abst=0;prst=1									Month	VI - Visual
84066	Oil and grease visual	Gross	0	-	Permit Req.		Req Mon INST MAX	AB - abst=0;prst=1								0	02/30 - Twice Per Month	VI - Visual
					Value NODI													
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APPENDICES

APPENDIX A GROUNDWATER AND EFFLUENT ANALYTICAL RESULTS

13

ANALYTICAL REPORT

PREPARED FOR

Attn: Brooke Molson Moran Grand Island Resources 12567 West Cedar Road Suite 110 Lakewood, Colorado 80228 Generated 1/6/2025 12:06:40 PM

JOB DESCRIPTION

Nederland, CO - Groundwater

JOB NUMBER

280-200316-1

Eurofins Denver 4955 Yarrow Street Arvada CO 80002



Eurofins Denver

Job Notes

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13

14

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Definitions/Glossary

Client: Grand Island Resources Job ID: 280-200316-1

Project/Site: Nederland, CO - Groundwater

Qualifiers

B 4	-4-	-
IV	eta	ıs

Qualifier Description

B Compound was found in the blank and sample.

J Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
В	Compound was found in the blank and sample.
F3	Dunlicate RPD exceeds the control limit

J Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Rad

Qualifier Description

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

Glossary

Abbreviation	These commonly	used abbreviations may	or may	not be	present in this report.

Listed under the "D" column to designate that the result is reported on a dry weight basis

%R Percent Recovery
CFL Contains Free Liquid
CFU Colony Forming Unit
CNF Contains No Free Liquid

DER Duplicate Error Ratio (normalized absolute difference)

Dil Fac Dilution Factor

DL Detection Limit (DoD/DOE)

DL, RA, RE, IN Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample

DLC Decision Level Concentration (Radiochemistry)

EDL Estimated Detection Limit (Dioxin)

LOD Limit of Detection (DoD/DOE)

LOQ Limit of Quantitation (DoD/DOE)

MCL EPA recommended "Maximum Contaminant Level"

MDA Minimum Detectable Activity (Radiochemistry)

MDC Minimum Detectable Concentration (Radiochemistry)
MDL Method Detection Limit

ML Minimum Level (Dioxin)
MPN Most Probable Number
MQL Method Quantitation Limit

NC Not Calculated

ND Not Detected at the reporting limit (or MDL or EDL if shown)

NEG Negative / Absent POS Positive / Present

PQL Practical Quantitation Limit

PRES Presumptive QC Quality Control

RER Relative Error Ratio (Radiochemistry)

RL Reporting Limit or Requested Limit (Radiochemistry)

RPD Relative Percent Difference, a measure of the relative difference between two points

TEF Toxicity Equivalent Factor (Dioxin)
TEQ Toxicity Equivalent Quotient (Dioxin)

TNTC Too Numerous To Count

Eurofins Denver

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Case Narrative

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

Job ID: 280-200316-1 Eurofins Denver

Job Narrative 280-200316-1

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 12/4/2024 4:40 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 1.7°C and 2.3°C.

Receipt Exceptions

There were no sulfuric containers received for 353.2 for the following samples. The method was logged to be performed by the laboratory within 48 hours from the unpreserved container per the laboratory's SOP: CROSS WELL (280-200316-1), COMPLIANCE WELL (280-200316-2), COMPLIANCE 02 (280-200316-3), COMPLIANCE 03 (280-200316-4), CARIBOU WELL (280-200316-5), CROSS PORTAL (280-200316-6), CROSS PORTAL 02 (280-200316-7) and CARIBOU PORTAL (280-200316-8).

Eurofins Denver

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Job ID: 280-200316-1

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Case Narrative

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

Job ID: 280-200316-1 (Continued)

Eurofins Denver

Job ID: 280-200316-1

Method 200.7 Rev 4.4 - Metals (ICP) - Dissolved

Samples CROSS WELL (280-200316-1), COMPLIANCE WELL (280-200316-2), COMPLIANCE 02 (280-200316-3), COMPLIANCE 03 (280-200316-4), CARIBOU WELL (280-200316-5), CROSS PORTAL (280-200316-6), CROSS PORTAL 02 (280-200316-7) and CARIBOU PORTAL (280-200316-8) were analyzed for Metals (ICP) - Dissolved. The samples were prepared on 12/6/2024 and analyzed on 12/7/2024.

Method 200.8 - ICPMS Total Metals - Dissolved

Samples CROSS WELL (280-200316-1), COMPLIANCE WELL (280-200316-2), COMPLIANCE 02 (280-200316-3), COMPLIANCE 03 (280-200316-4), CARIBOU WELL (280-200316-5), CROSS PORTAL (280-200316-6), CROSS PORTAL 02 (280-200316-7) and CARIBOU PORTAL (280-200316-8) were analyzed for ICPMS Total Metals - Dissolved. The samples were prepared on 12/6/2024 and analyzed on 12/10/2024 and 12/11/2024.

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

Samples CROSS WELL (280-200316-1), COMPLIANCE WELL (280-200316-2), COMPLIANCE 02 (280-200316-3), COMPLIANCE 03 (280-200316-4), CARIBOU WELL (280-200316-5), CROSS PORTAL (280-200316-6), CROSS PORTAL 02 (280-200316-7) and CARIBOU PORTAL (280-200316-8) were analyzed for Solids, Total Dissolved (TDS). The samples were analyzed on 12/5/2024 and 12/6/2024.

The sample duplicate (DUP) precision for analytical batch 280-677451 was outside control limits. Sample non-homogeneity is suspected.

Method 300.0 - Anions, Ion Chromatography

Samples CROSS WELL (280-200316-1), COMPLIANCE WELL (280-200316-2), COMPLIANCE 02 (280-200316-3), COMPLIANCE 03 (280-200316-4), CARIBOU WELL (280-200316-5), CROSS PORTAL (280-200316-6), CROSS PORTAL 02 (280-200316-7) and CARIBOU PORTAL (280-200316-8) were analyzed for Anions, Ion Chromatography. The samples were analyzed on 12/4/2024.

Method 353.2 - Nitrogen, Nitrate-Nitrite

Samples CROSS WELL (280-200316-1), COMPLIANCE WELL (280-200316-2), COMPLIANCE 02 (280-200316-3), COMPLIANCE 03 (280-200316-4), CARIBOU WELL (280-200316-5), CROSS PORTAL (280-200316-6), CROSS PORTAL 02 (280-200316-7) and CARIBOU PORTAL (280-200316-8) were analyzed for Nitrogen, Nitrate-Nitrite. The samples were analyzed on 12/5/2024.

Method SM 4500 CI- E - Chloride, Total

Samples CROSS WELL (280-200316-1), COMPLIANCE WELL (280-200316-2), COMPLIANCE 02 (280-200316-3), COMPLIANCE 03 (280-200316-4), CARIBOU WELL (280-200316-5), CROSS PORTAL (280-200316-6), CROSS PORTAL 02 (280-200316-7) and CARIBOU PORTAL (280-200316-8) were analyzed for Chloride, Total. The samples were analyzed on 12/10/2024 and 12/18/2024.

Method SM 4500 SO4 E - Sulfate, Total

Samples CROSS WELL (280-200316-1), COMPLIANCE WELL (280-200316-2), COMPLIANCE 02 (280-200316-3), COMPLIANCE 03 (280-200316-4), CARIBOU WELL (280-200316-5), CROSS PORTAL (280-200316-6), CROSS PORTAL 02 (280-200316-7) and CARIBOU PORTAL (280-200316-8) were analyzed for Sulfate, Total. The samples were analyzed on 12/11/2024.

The method blank for analytical batch 280-678112 contained Sulfate above the method detection limit. This target analyte concentration was less than one half of the reporting limit (1/2 RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

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

Samples CROSS WELL (280-200316-1), COMPLIANCE WELL (280-200316-2), COMPLIANCE 02 (280-200316-3), COMPLIANCE 03 (280-200316-4), CARIBOU WELL (280-200316-5), CROSS PORTAL (280-200316-6), CROSS PORTAL 02 (280-200316-7) and CARIBOU PORTAL (280-200316-8) were analyzed for Cesium 137 & Other Gamma Emitters (GS) - Dissolved. The samples were prepared on 12/31/2024 and analyzed on 1/2/2025 and 1/3/2025.

Gamma prep batch 160-696157:

The detection goal of 20.0 pCi/L was not met for Cs-137 for the following samples. An elevated MDC can occur when higher background counts are applied to a peak ROI. This is due to the relatively small size of the peak or subsequent "force-fit" of the non-existent peak which resulted in higher than normal background counts due to statistical fluctuations in the Compton baseline. The laboratory does not believe this adversely affects the data, the activity is well below the RL and MDC: CROSS WELL

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Case Narrative

Client: Grand Island Resources Job ID: 280-200316-1

Project: Nederland, CO - Groundwater

Job ID: 280-200316-1 (Continued)

Eurofins Denver

(280-200316-1), CARIBOU WELL (280-200316-5) and CROSS PORTAL (280-200316-6)

Gamma prep batch 160-696157:

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

CROSS WELL (280-200316-1), COMPLIANCE WELL (280-200316-2), COMPLIANCE 02 (280-200316-3), COMPLIANCE 03 (280-200316-4), CARIBOU WÉLL (280-200316-5), CRÒSS PORTAL (280-200316-6), CRÒSS PORTAL (2 (280-200316-7), CARIBOU PORTAL (280-200316-8), (LCS 160-696157/2-A), (MB 160-696157/1-A) and (280-200316-A-1-B DU)

Method 900.0 - Gross Alpha and Gross Beta Radioactivity - Dissolved Samples CROSS WELL (280-200316-1), COMPLIANCE WELL (280-200316-2), COMPLIANCE 02 (280-200316-3), COMPLIANCE 03 (280-200316-4), CARIBOU WELL (280-200316-5), CROSS PORTAL (280-200316-6), CROSS PORTAL 02 (280-200316-7) and CARIBOU PORTAL (280-200316-8) were analyzed for Gross Alpha and Gross Beta Radioactivity - Dissolved. The samples were prepared on 12/9/2024 and analyzed on 12/11/2024.

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Client: Grand Island Resources

Project/Site: Nederland, CO - Groundwater

Job ID: 280-200316-1

Client Sample ID: CROSS WELL

Lab Sample ID: 280-200316-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Boron	0.0020	J	0.10	0.0015	mg/L		_	200.7 Rev 4.4	Dissolved
Iron	0.011	JB	0.10	0.0091	mg/L	1		200.7 Rev 4.4	Dissolved
Barium	0.029		0.0030	0.00038	mg/L	1		200.8	Dissolved
Copper	0.0036		0.0020	0.00071	mg/L	1		200.8	Dissolved
Manganese	0.0035	В	0.0030	0.00051	mg/L	1		200.8	Dissolved
Molybdenum	0.00077	J	0.0020	0.00037	mg/L	1		200.8	Dissolved
Uranium	0.000061	JΒ	0.0010	0.000030	mg/L	1		200.8	Dissolved
Zinc	0.93		0.010	0.0020	mg/L	1		200.8	Dissolved
Nitrate as N	0.32	J	0.50	0.090	mg/L	1		300.0	Total/NA
Nitrate Nitrite as N	0.33		0.10	0.044	mg/L	1		353.2	Total/NA
Total Dissolved Solids (TDS)	92		10	4.7	mg/L	1		SM 2540C	Total/NA
Chloride	3.7		2.0	0.68	mg/L	1		SM 4500 CI- E	Total/NA
Sulfate	9.0	В	5.0	0.71	mg/L	1		SM 4500 SO4 E	Total/NA

Client Sample ID: COMPLIANCE WELL

Lab Sample ID: 280-200316-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Boron	0.0022	J	0.10	0.0015	mg/L	1	_	200.7 Rev 4.4	Dissolved
Iron	0.0096	JB	0.10	0.0091	mg/L	1		200.7 Rev 4.4	Dissolved
Barium	0.044		0.0030	0.00038	mg/L	1		200.8	Dissolved
Lead	0.00031	J	0.0010	0.00023	mg/L	1		200.8	Dissolved
Manganese	0.0073	В	0.0030	0.00051	mg/L	1		200.8	Dissolved
Molybdenum	0.0050		0.0020	0.00037	mg/L	1		200.8	Dissolved
Uranium	0.00019	JB	0.0010	0.000030	mg/L	1		200.8	Dissolved
Zinc	0.093		0.010	0.0020	mg/L	1		200.8	Dissolved
Nitrate as N	0.34	J	0.50	0.090	mg/L	1		300.0	Total/NA
Nitrate Nitrite as N	0.33		0.10	0.044	mg/L	1		353.2	Total/NA
Total Dissolved Solids (TDS)	84		10	4.7	mg/L	1		SM 2540C	Total/NA
Chloride	3.3		2.0	0.68	mg/L	1		SM 4500 CI- E	Total/NA
Sulfate	10	В	5.0	0.71	mg/L	1		SM 4500 SO4 E	Total/NA

Client Sample ID: COMPLIANCE 02

Lab Sample ID: 280-200316-3

Lab Sample ID: 280-200316-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Boron	0.0022	J	0.10	0.0015	mg/L		_	200.7 Rev 4.4	Dissolved
Iron	0.0092	JB	0.10	0.0091	mg/L	1		200.7 Rev 4.4	Dissolved
Barium	0.045		0.0030	0.00038	mg/L	1		200.8	Dissolved
Lead	0.00025	J	0.0010	0.00023	mg/L	1		200.8	Dissolved
Manganese	0.0074	В	0.0030	0.00051	mg/L	1		200.8	Dissolved
Molybdenum	0.0049		0.0020	0.00037	mg/L	1		200.8	Dissolved
Uranium	0.00019	JB	0.0010	0.000030	mg/L	1		200.8	Dissolved
Zinc	0.095		0.010	0.0020	mg/L	1		200.8	Dissolved
Nitrate as N	0.34	J	0.50	0.090	mg/L	1		300.0	Total/NA
Nitrate Nitrite as N	0.33		0.10	0.044	mg/L	1		353.2	Total/NA
Total Dissolved Solids (TDS)	99		10	4.7	mg/L	1		SM 2540C	Total/NA
Chloride	3.3		2.0	0.68	mg/L	1		SM 4500 CI- E	Total/NA
Sulfate	10	В	5.0	0.71	mg/L	1		SM 4500 SO4 E	Total/NA

Client Sample ID: COMPLIANCE 03

Analyte	Result Qualifie	r RL	MDL	Unit	Dil Fac	D Method	Prep Type
Aluminum	0.046 J	0.10	0.018	mg/L	1	200.7 Rev 4.4	Dissolved

This Detection Summary does not include radiochemical test results.

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Detection Summary

Client: Grand Island Resources

Project/Site: Nederland, CO - Groundwater

Client Sample ID: COMPLIANCE 03 (Continued)

Lab Sample ID: 280-200316-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Iron	0.013	JB	0.10	0.0091	mg/L	1	_	200.7 Rev 4.4	Dissolved
Barium	0.0021	J	0.0030	0.00038	mg/L	1		200.8	Dissolved
Copper	0.0028		0.0020	0.00071	mg/L	1		200.8	Dissolved
Total Dissolved Solids (TDS)	10		10	4.7	mg/L	1		SM 2540C	Total/NA
Sulfate	0.81	JB	5.0	0.71	ma/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
Iron	0.013	JB	0.10	0.0091	mg/L	1	_	200.7 Rev 4.4	Dissolved
Barium	0.0068		0.0030	0.00038	mg/L	1		200.8	Dissolved
Copper	3.4		0.0020	0.00071	mg/L	1		200.8	Dissolved
Lead	0.0024		0.0010	0.00023	mg/L	1		200.8	Dissolved
Zinc	0.025		0.010	0.0020	mg/L	1		200.8	Dissolved
Nitrate as N	0.14	J	0.50	0.090	mg/L	1		300.0	Total/NA
Nitrate Nitrite as N	0.085	J	0.10	0.044	mg/L	1		353.2	Total/NA
Total Dissolved Solids (TDS)	53		10	4.7	mg/L	1		SM 2540C	Total/NA
Sulfate	2.5	JB	5.0	0.71	ma/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
Boron	0.0024	J	0.10	0.0015	mg/L	1	_	200.7 Rev 4.4	Dissolved
Iron	0.012	JB	0.10	0.0091	mg/L	1		200.7 Rev 4.4	Dissolved
Antimony	0.00052	J	0.0020	0.00040	mg/L	1		200.8	Dissolved
Barium	0.072		0.0030	0.00038	mg/L	1		200.8	Dissolved
Cadmium	0.0012		0.0010	0.00019	mg/L	1		200.8	Dissolved
Copper	0.0031		0.0020	0.00071	mg/L	1		200.8	Dissolved
Lead	0.00084	J	0.0010	0.00023	mg/L	1		200.8	Dissolved
Manganese	0.0071	В	0.0030	0.00051	mg/L	1		200.8	Dissolved
Molybdenum	0.0074		0.0020	0.00037	mg/L	1		200.8	Dissolved
Uranium	0.0010	В	0.0010	0.000030	mg/L	1		200.8	Dissolved
Zinc	0.25		0.010	0.0020	mg/L	1		200.8	Dissolved
Nitrate as N	0.098	J	0.50	0.090	mg/L	1		300.0	Total/NA
Nitrate Nitrite as N	0.049	J	0.10	0.044	mg/L	1		353.2	Total/NA
Total Dissolved Solids (TDS)	120		10	4.7	mg/L	1		SM 2540C	Total/NA
Sulfate	12	В	5.0	0.71	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
Boron	0.0030	J	0.10	0.0015	mg/L	1	_	200.7 Rev 4.4	Dissolved
Iron	0.012	JB	0.10	0.0091	mg/L	1		200.7 Rev 4.4	Dissolved
Antimony	0.00046	J	0.0020	0.00040	mg/L	1		200.8	Dissolved
Barium	0.071		0.0030	0.00038	mg/L	1		200.8	Dissolved
Cadmium	0.0012		0.0010	0.00019	mg/L	1		200.8	Dissolved
Copper	0.0023		0.0020	0.00071	mg/L	1		200.8	Dissolved
Lead	0.00079	J	0.0010	0.00023	mg/L	1		200.8	Dissolved
Manganese	0.0074	В	0.0030	0.00051	mg/L	1		200.8	Dissolved
Molybdenum	0.0075		0.0020	0.00037	mg/L	1		200.8	Dissolved
Uranium	0.0010	В	0.0010	0.000030	mg/L	1		200.8	Dissolved
Zinc	0.24		0.010	0.0020	mg/L	1		200.8	Dissolved

This Detection Summary does not include radiochemical test results.

Eurofins Denver

Job ID: 280-200316-1

Lab Sample ID: 280-200316-5

Lab Sample ID: 280-200316-6

Lab Sample ID: 280-200316-7

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Detection Summary

Client: Grand Island Resources

Project/Site: Nederland, CO - Groundwater

Job ID: 280-200316-1

Client Sample ID: CROSS PORTAL 02 (Continued)

Lab	Sample	ID: 280	0-200316-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nitrate as N	0.096	J	0.50	0.090	mg/L	1	_	300.0	Total/NA
Nitrate Nitrite as N	0.049	J	0.10	0.044	mg/L	1		353.2	Total/NA
Total Dissolved Solids (TDS)	150		10	4.7	mg/L	1		SM 2540C	Total/NA
Sulfate	12	В	5.0	0.71	mg/L	1		SM 4500 SO4 E	Total/NA

Client Sample ID: CARIBOU PORTAL

Lab Sample ID: 280-200316-8

Analyte	Result (Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Boron	0.0027	J	0.10	0.0015	mg/L	1	_	200.7 Rev 4.4	Dissolved
Iron	0.011	J B	0.10	0.0091	mg/L	1		200.7 Rev 4.4	Dissolved
Antimony	0.00068	J	0.0020	0.00040	mg/L	1		200.8	Dissolved
Arsenic	0.00050	J	0.0050	0.00050	mg/L	1		200.8	Dissolved
Barium	0.062		0.0030	0.00038	mg/L	1		200.8	Dissolved
Lead	0.00033	J	0.0010	0.00023	mg/L	1		200.8	Dissolved
Manganese	0.0013	JB	0.0030	0.00051	mg/L	1		200.8	Dissolved
Molybdenum	0.0072		0.0020	0.00037	mg/L	1		200.8	Dissolved
Uranium	0.0067 I	В	0.0010	0.000030	mg/L	1		200.8	Dissolved
Zinc	0.0062	J	0.010	0.0020	mg/L	1		200.8	Dissolved
Nitrate Nitrite as N	0.11		0.10	0.044	mg/L	1		353.2	Total/NA
Total Dissolved Solids (TDS)	130		10	4.7	mg/L	1		SM 2540C	Total/NA
Sulfate	9.6	В	5.0	0.71	mg/L	1		SM 4500 SO4 E	Total/NA

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Method Summary

Client: Grand Island Resources

Project/Site: Nederland, CO - Groundwater

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
0.00	Gross Alpha and Gross Beta Radioactivity	EPA	EET SL
01.1	Cesium 137 & Other Gamma Emitters (GS)	EPA	EET SL
200.7	Preparation, Total Recoverable Metals	EPA	EET DEN
8.00	Preparation, Total Recoverable Metals	EPA	EET DEN
vaporation	Preparation, Evaporation	None	EET SL
ill_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 Job ID: 280-200316-1

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Sample Summary

Client: Grand Island Resources

Project/Site: Nederland, CO - Groundwater

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
280-200316-1	CROSS WELL	Water	12/04/24 13:00	12/04/24 16:40
280-200316-2	COMPLIANCE WELL	Water	12/04/24 13:30	12/04/24 16:40
280-200316-3	COMPLIANCE 02	Water	12/04/24 13:30	12/04/24 16:40
280-200316-4	COMPLIANCE 03	Water	12/04/24 13:30	12/04/24 16:40
280-200316-5	CARIBOU WELL	Water	12/04/24 11:30	12/04/24 16:40
280-200316-6	CROSS PORTAL	Water	12/04/24 12:15	12/04/24 16:40
280-200316-7	CROSS PORTAL 02	Water	12/04/24 12:15	12/04/24 16:40
280-200316-8	CARIBOU PORTAL	Water	12/04/24 11:15	12/04/24 16:40

Job ID: 280-200316-1

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Client: Grand Island Resources Job ID: 280-200316-1

Project/Site: Nederland, CO - Groundwater

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

Lab Sample ID: 280-200316-1 **Client Sample ID: CROSS WELL** Date Collected: 12/04/24 13:00 **Matrix: Water**

Date Received: 12/04/24 16:40

Analyte	Result (Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.10	0.018	mg/L		12/06/24 07:59	12/07/24 08:04	1
Boron	0.0020	J	0.10	0.0015	mg/L		12/06/24 07:59	12/07/24 08:04	1
Iron	0.011	JB	0.10	0.0091	mg/L		12/06/24 07:59	12/07/24 08:04	1

Client Sample ID: COMPLIANCE WELL Lab Sample ID: 280-200316-2

Date Collected: 12/04/24 13:30

Date Received: 12/04/24 16:40

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.10	0.018	mg/L		12/06/24 07:59	12/07/24 08:19	1
Boron	0.0022	J	0.10	0.0015	mg/L		12/06/24 07:59	12/07/24 08:19	1
Iron	0.0096	JB	0.10	0.0091	mg/L		12/06/24 07:59	12/07/24 08:19	1

Client Sample ID: COMPLIANCE 02 Lab Sample ID: 280-200316-3 **Matrix: Water**

Date Collected: 12/04/24 13:30

Date Received: 12/04/24 16:40

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.10	0.018	mg/L		12/06/24 07:59	12/07/24 08:23	1
Boron	0.0022	J	0.10	0.0015	mg/L		12/06/24 07:59	12/07/24 08:23	1
Iron	0.0092	JB	0.10	0.0091	mg/L		12/06/24 07:59	12/07/24 08:23	1

Client Sample ID: COMPLIANCE 03 Lab Sample ID: 280-200316-4 Date Collected: 12/04/24 13:30 **Matrix: Water**

Date Received: 12/04/24 16:40

Analyte	Result Qualifier	RL	MDL U	Jnit D	Prepared	Analyzed	Dil Fac
Aluminum	0.046 J	0.10	0.018 m	ng/L	12/06/24 07:59	12/07/24 08:27	1
Boron	ND	0.10	0.0015 m	mg/L	12/06/24 07:59	12/07/24 08:27	1
Iron	0.013 JB	0.10	0.0091 m	mg/L	12/06/24 07:59	12/07/24 08:27	1

Lab Sample ID: 280-200316-5 **Client Sample ID: CARIBOU WELL** Date Collected: 12/04/24 11:30 **Matrix: Water**

Date Received: 12/04/24 16:40

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.10	0.018	mg/L		12/06/24 07:59	12/07/24 08:30	1
Boron	ND		0.10	0.0015	mg/L		12/06/24 07:59	12/07/24 08:30	1
Iron	0.013	JB	0.10	0.0091	mg/L		12/06/24 07:59	12/07/24 08:30	1

Client Sample ID: CROSS PORTAL Lab Sample ID: 280-200316-6 Date Collected: 12/04/24 12:15 **Matrix: Water**

Date Received: 12/04/24 16:40

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.10	0.018	mg/L		12/06/24 07:59	12/07/24 08:34	1
Boron	0.0024	J	0.10	0.0015	mg/L		12/06/24 07:59	12/07/24 08:34	1
Iron	0.012	JB	0.10	0.0091	mg/L		12/06/24 07:59	12/07/24 08:34	1

Lab Sample ID: 280-200316-7 Client Sample ID: CROSS PORTAL 02 Date Collected: 12/04/24 12:15 **Matrix: Water**

Date Received: 12/04/24 16:40									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.10	0.018	mg/L		12/06/24 07:59	12/07/24 08:38	1
Boron	0.0030	J	0.10	0.0015	mg/L		12/06/24 07:59	12/07/24 08:38	1
Iron	0.012	JB	0.10	0.0091	mg/L		12/06/24 07:59	12/07/24 08:38	1

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Matrix: Water

Client Sample Results

Client: Grand Island Resources

Project/Site: Nederland, CO - Groundwater

Job ID: 280-200316-1

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

Client Sample ID: CARIBOU PORTAL Lab Sample ID: 280-200316-8 Date Collected: 12/04/24 11:15 **Matrix: Water**

Date Received: 12/04/24 16:40

Bate Received: 12/04/24 10:40									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.10	0.018	mg/L		12/06/24 07:59	12/07/24 08:41	1
Boron	0.0027	J	0.10	0.0015	mg/L		12/06/24 07:59	12/07/24 08:41	1
Iron	0.011	JB	0.10	0.0091	mg/L		12/06/24 07:59	12/07/24 08:41	1

Method: EPA 200.8 - ICPMS Total Metals - Dissolved

Client Sample ID: CROSS WELL Lab Sample ID: 280-200316-1 Date Collected: 12/04/24 13:00 **Matrix: Water**

Date Received: 12/04/	24 16:40							
Analyte	Result Qu	ualifier RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND ND	0.0020	0.00040	mg/L		12/06/24 07:59	12/10/24 16:35	1
Arsenic	ND	0.0050	0.00050	mg/L		12/06/24 07:59	12/10/24 16:35	1
Barium	0.029	0.0030	0.00038	mg/L		12/06/24 07:59	12/10/24 16:35	1
Cadmium	ND	0.0010	0.00019	mg/L		12/06/24 07:59	12/10/24 16:35	1
Copper	0.0036	0.0020	0.00071	mg/L		12/06/24 07:59	12/10/24 16:35	1
Lead	ND	0.0010	0.00023	mg/L		12/06/24 07:59	12/10/24 16:35	1
Manganese	0.0035 B	0.0030	0.00051	mg/L		12/06/24 07:59	12/10/24 16:35	1
Molybdenum	0.00077 J	0.0020	0.00037	mg/L		12/06/24 07:59	12/10/24 16:35	1
Uranium	0.000061 JI	B 0.0010	0.000030	mg/L		12/06/24 07:59	12/10/24 16:35	1
Zinc	0.93	0.010	0.0020	mg/L		12/06/24 07:59	12/10/24 16:35	1

Client Sample ID: COMPLIANCE WELL Lab Sample ID: 280-200316-2 **Matrix: Water**

Date Collected: 12/04/24 13:30

Date Received: 12/04/24	l 16:40								
Analyte	Result (Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.0020	0.00040	mg/L		12/06/24 07:59	12/10/24 16:37	1
Arsenic	ND		0.0050	0.00050	mg/L		12/06/24 07:59	12/10/24 16:37	1
Barium	0.044		0.0030	0.00038	mg/L		12/06/24 07:59	12/10/24 16:37	1
Cadmium	ND		0.0010	0.00019	mg/L		12/06/24 07:59	12/10/24 16:37	1
Copper	ND		0.0020	0.00071	mg/L		12/06/24 07:59	12/10/24 16:37	1
Lead	0.00031	J	0.0010	0.00023	mg/L		12/06/24 07:59	12/10/24 16:37	1
Manganese	0.0073	В	0.0030	0.00051	mg/L		12/06/24 07:59	12/10/24 16:37	1
Molybdenum	0.0050		0.0020	0.00037	mg/L		12/06/24 07:59	12/10/24 16:37	1
Uranium	0.00019	J B	0.0010	0.000030	mg/L		12/06/24 07:59	12/10/24 16:37	1
Zinc	0.093		0.010	0.0020	mg/L		12/06/24 07:59	12/10/24 16:37	1

Client Sample ID: COMPLIANCE 02 Lab Sample ID: 280-200316-3 Date Collected: 12/04/24 13:30 **Matrix: Water**

Date Received: 12/04/24 16:40

Date Received. 12/04/2	LT 10.TU								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.0020	0.00040	mg/L		12/06/24 07:59	12/10/24 16:40	1
Arsenic	ND		0.0050	0.00050	mg/L		12/06/24 07:59	12/10/24 16:40	1
Barium	0.045		0.0030	0.00038	mg/L		12/06/24 07:59	12/10/24 16:40	1
Cadmium	ND		0.0010	0.00019	mg/L		12/06/24 07:59	12/10/24 16:40	1
Copper	ND		0.0020	0.00071	mg/L		12/06/24 07:59	12/10/24 16:40	1
Lead	0.00025	J	0.0010	0.00023	mg/L		12/06/24 07:59	12/10/24 16:40	1
Manganese	0.0074	В	0.0030	0.00051	mg/L		12/06/24 07:59	12/10/24 16:40	1
Molybdenum	0.0049		0.0020	0.00037	mg/L		12/06/24 07:59	12/10/24 16:40	1
Uranium	0.00019	JB	0.0010	0.000030	mg/L		12/06/24 07:59	12/10/24 16:40	1
Zinc	0.095		0.010	0.0020	mg/L		12/06/24 07:59	12/10/24 16:40	1

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Client: Grand Island Resources Job ID: 280-200316-1

Project/Site: Nederland, CO - Groundwater

Method: EPA 200.8 - ICPMS Total Metals - Dissolved

Client Sample ID: COMPLIANCE 03

Date Collected: 12/04/24 13:30

Lab Sample ID: 280-200316-4

Matrix: Water

Date Received: 12/04/24 16:40

Analyte	Result	Qualifier RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND	0.0020	0.00040	mg/L		12/06/24 07:59	12/10/24 16:42	1
Arsenic	ND	0.0050	0.00050	mg/L		12/06/24 07:59	12/10/24 16:42	1
Barium	0.0021	J 0.0030	0.00038	mg/L		12/06/24 07:59	12/10/24 16:42	1
Cadmium	ND	0.0010	0.00019	mg/L		12/06/24 07:59	12/10/24 16:42	1
Copper	0.0028	0.0020	0.00071	mg/L		12/06/24 07:59	12/10/24 16:42	1
Lead	ND	0.0010	0.00023	mg/L		12/06/24 07:59	12/10/24 16:42	1
Manganese	ND	0.0030	0.00051	mg/L		12/06/24 07:59	12/10/24 16:42	1
Molybdenum	ND	0.0020	0.00037	mg/L		12/06/24 07:59	12/10/24 16:42	1
Uranium	ND	0.0010	0.000030	mg/L		12/06/24 07:59	12/10/24 16:42	1
Zinc	ND	0.010	0.0020	mg/L		12/06/24 07:59	12/10/24 16:42	1

Client Sample ID: CARIBOU WELL

Date Collected: 12/04/24 11:30

Lab Sample ID: 280-200316-5

Matrix: Water

Date Received: 12/04/24 16:40

Date Received: 12/04/	24 16:40							
Analyte	Result Qu	ualifier RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND ND	0.0020	0.00040	mg/L		12/06/24 07:59	12/10/24 16:45	1
Arsenic	ND	0.0050	0.00050	mg/L		12/06/24 07:59	12/10/24 16:45	1
Barium	0.0068	0.0030	0.00038	mg/L		12/06/24 07:59	12/10/24 16:45	1
Cadmium	ND	0.0010	0.00019	mg/L		12/06/24 07:59	12/10/24 16:45	1
Copper	3.4	0.0020	0.00071	mg/L		12/06/24 07:59	12/10/24 16:45	1
Lead	0.0024	0.0010	0.00023	mg/L		12/06/24 07:59	12/10/24 16:45	1
Manganese	ND	0.0030	0.00051	mg/L		12/06/24 07:59	12/10/24 16:45	1
Molybdenum	ND	0.0020	0.00037	mg/L		12/06/24 07:59	12/10/24 16:45	1
Uranium	ND	0.0010	0.000030	mg/L		12/06/24 07:59	12/10/24 16:45	1
Zinc	0.025	0.010	0.0020	mg/L		12/06/24 07:59	12/10/24 16:45	1

Client Sample ID: CROSS PORTAL

Date Collected: 12/04/24 12:15

Lab Sample ID: 280-200316-6

Matrix: Water

Date Descived: 12/04/24 15:10

Date Received: 12/04/24	4 16:40								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.00052	J	0.0020	0.00040	mg/L		12/06/24 07:59	12/10/24 16:47	1
Arsenic	ND		0.0050	0.00050	mg/L		12/06/24 07:59	12/10/24 16:47	1
Barium	0.072		0.0030	0.00038	mg/L		12/06/24 07:59	12/10/24 16:47	1
Cadmium	0.0012		0.0010	0.00019	mg/L		12/06/24 07:59	12/10/24 16:47	1
Copper	0.0031		0.0020	0.00071	mg/L		12/06/24 07:59	12/10/24 16:47	1
Lead	0.00084	J	0.0010	0.00023	mg/L		12/06/24 07:59	12/10/24 16:47	1
Manganese	0.0071	В	0.0030	0.00051	mg/L		12/06/24 07:59	12/10/24 16:47	1
Molybdenum	0.0074		0.0020	0.00037	mg/L		12/06/24 07:59	12/10/24 16:47	1
Uranium	0.0010	В	0.0010	0.000030	mg/L		12/06/24 07:59	12/10/24 16:47	1
Zinc	0.25		0.010	0.0020	mg/L		12/06/24 07:59	12/10/24 16:47	1

Client Sample ID: CROSS PORTAL 02

Lab Sample ID: 280-200316-7

Date Collected: 12/04/24 12:15

Matrix: Water

Date Received: 12/04/24 16:40

Date Received: 12/04/24 16:40									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.00046	J	0.0020	0.00040	mg/L		12/06/24 07:59	12/10/24 17:15	1
Arsenic	ND		0.0050	0.00050	mg/L		12/06/24 07:59	12/10/24 17:15	1
Barium	0.071		0.0030	0.00038	mg/L		12/06/24 07:59	12/10/24 17:15	1
Cadmium	0.0012		0.0010	0.00019	mg/L		12/06/24 07:59	12/10/24 17:15	1
Copper	0.0023		0.0020	0.00071	mg/L		12/06/24 07:59	12/10/24 17:15	1

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Job ID: 280-200316-1

Client: Grand Island Resources

Project/Site: Nederland, CO - Groundwater

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

Lab Sample ID: 280-200316-7 Client Sample ID: CROSS PORTAL 02 Date Collected: 12/04/24 12:15 **Matrix: Water**

Date Received: 12/04/24 16:40

1	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ī	_ead	0.00079	J	0.0010	0.00023	mg/L		12/06/24 07:59	12/10/24 17:15	1
ı	Manganese	0.0074	В	0.0030	0.00051	mg/L		12/06/24 07:59	12/10/24 17:15	1
ı	Nolybdenum	0.0075		0.0020	0.00037	mg/L		12/06/24 07:59	12/10/24 17:15	1
Įι	Jranium	0.0010	В	0.0010	0.000030	mg/L		12/06/24 07:59	12/10/24 17:15	1
2	linc	0.24		0.010	0.0020	mg/L		12/06/24 07:59	12/11/24 17:10	1

Client Sample ID: CARIBOU PORTAL Lab Sample ID: 280-200316-8 Date Collected: 12/04/24 11:15 **Matrix: Water**

Date Received: 12/04/2	4 16:40								
Analyte	Result (Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.00068 J	J	0.0020	0.00040	mg/L		12/06/24 07:59	12/10/24 17:17	1
Arsenic	0.00050 J	J	0.0050	0.00050	mg/L		12/06/24 07:59	12/10/24 17:17	1
Barium	0.062		0.0030	0.00038	mg/L		12/06/24 07:59	12/10/24 17:17	•
Cadmium	ND		0.0010	0.00019	mg/L		12/06/24 07:59	12/10/24 17:17	
Copper	ND		0.0020	0.00071	mg/L		12/06/24 07:59	12/10/24 17:17	•
Lead	0.00033 J	J	0.0010	0.00023	mg/L		12/06/24 07:59	12/10/24 17:17	
Manganese	0.0013 J	JB	0.0030	0.00051	mg/L		12/06/24 07:59	12/10/24 17:17	
Molybdenum	0.0072		0.0020	0.00037	mg/L		12/06/24 07:59	12/10/24 17:17	•
Uranium	0.0067 E	3	0.0010	0.000030	mg/L		12/06/24 07:59	12/10/24 17:17	1
Zinc	0.0062 J	J	0.010	0.0020	mg/L		12/06/24 07:59	12/11/24 17:12	1

General Chemistry

Client Sample ID: CROSS WELL Lab Sample ID: 280-200316-1 **Matrix: Water**

Date Collected: 12/04/24 13:00

Date Received: 12/04/24 16:40									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N (EPA 300.0)	0.32	J	0.50	0.090	mg/L			12/04/24 22:39	1
Nitrate Nitrite as N (EPA 353.2)	0.33		0.10	0.044	mg/L			12/05/24 13:09	1
Total Dissolved Solids (TDS) (SM 2540C)	92		10	4.7	mg/L			12/05/24 08:50	1
Chloride (SM 4500 CI- E)	3.7		2.0	0.68	mg/L			12/10/24 13:30	1
Sulfate (SM 4500 SO4 F)	9.0	R	5.0	0.71	ma/l			12/11/24 11:19	1

Client Sample ID: COMPLIANCE WELL Lab Sample ID: 280-200316-2 **Matrix: Water**

Date Collected: 12/04/24 13:30

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N (EPA 300.0)	0.34	J	0.50	0.090	mg/L			12/04/24 22:51	1
Nitrate Nitrite as N (EPA 353.2)	0.33		0.10	0.044	mg/L			12/05/24 13:13	1
Total Dissolved Solids (TDS) (SM 2540C)	84		10	4.7	mg/L			12/05/24 08:50	1
Chloride (SM 4500 CI- E)	3.3		2.0	0.68	mg/L			12/10/24 13:30	1
Sulfate (SM 4500 SO4 E)	10	В	5.0	0.71	mg/L			12/11/24 11:19	1

Client Sample ID: COMPLIANCE 02 Lab Sample ID: 280-200316-3 Date Collected: 12/04/24 13:30 **Matrix: Water**

Date Received: 12/04/24 16:40										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Nitrate as N (EPA 300.0)	0.34	J	0.50	0.090	mg/L			12/04/24 23:02	1	
Nitrate Nitrite as N (EPA 353.2)	0.33		0.10	0.044	mg/L			12/05/24 13:14	1	

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Client Sample Results

Client: Grand Island Resources

Project/Site: Nederland, CO - Groundwater

General Chemistry (Continued)

Client Sample ID: COMPLIANCE 02 Lab Sample ID: 280-200316-3

Date Collected: 12/04/24 13:30 Date Received: 12/04/24 16:40

Bato 11000110a1 12/04/24 10140									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (TDS) (SM	99		10	4.7	mg/L			12/05/24 08:50	1
2540C)									
Chloride (SM 4500 CI- E)	3.3		2.0	0.68	mg/L			12/10/24 13:28	1
Sulfate (SM 4500 SO4 E)	10	В	5.0	0.71	mg/L			12/11/24 11:18	1

Client Sample ID: COMPLIANCE 03 Lab Sample ID: 280-200316-4 **Matrix: Water**

Date Collected: 12/04/24 13:30

Date Received: 12/04/24 16:40									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N (EPA 300.0)	ND		0.50	0.090	mg/L			12/04/24 23:13	1
Nitrate Nitrite as N (EPA 353.2)	ND		0.10	0.044	mg/L			12/05/24 13:15	1
Total Dissolved Solids (TDS) (SM 2540C)	10		10	4.7	mg/L			12/05/24 08:50	1
Chloride (SM 4500 Cl- E)	ND		2.0	0.68	mg/L			12/10/24 13:29	1
Sulfate (SM 4500 SO4 E)	0.81	JB	5.0	0.71	mg/L			12/11/24 11:19	1

Client Sample ID: CARIBOU WELL Lab Sample ID: 280-200316-5 **Matrix: Water**

Date Collected: 12/04/24 11:30 Date Received: 12/04/24 16:40

1	Date Received: 12/04/24 16:40									
	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Nitrate as N (EPA 300.0)	0.14	J	0.50	0.090	mg/L			12/04/24 20:35	1
	Nitrate Nitrite as N (EPA 353.2)	0.085	J	0.10	0.044	mg/L			12/05/24 13:17	1
	Total Dissolved Solids (TDS) (SM 2540C)	53		10	4.7	mg/L			12/05/24 08:50	1
	Chloride (SM 4500 CI- E)	ND		2.0	0.68	mg/L			12/10/24 13:29	1
l	Sulfate (SM 4500 SO4 E)	2.5	JB	5.0	0.71	mg/L			12/11/24 11:19	1

Client Sample ID: CROSS PORTAL Lab Sample ID: 280-200316-6 **Matrix: Water**

Date Collected: 12/04/24 12:15

Date Received: 12/04/24 16:40

Date Neceived. 12/04/24 10.40									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N (EPA 300.0)	0.098	J	0.50	0.090	mg/L			12/04/24 21:43	1
Nitrate Nitrite as N (EPA 353.2)	0.049	J	0.10	0.044	mg/L			12/05/24 13:18	1
Total Dissolved Solids (TDS) (SM 2540C)	120		10	4.7	mg/L			12/05/24 08:50	1
Chloride (SM 4500 Cl- E)	ND		2.0	0.68	mg/L			12/10/24 13:29	1
Sulfate (SM 4500 SO4 E)	12	В	5.0	0.71	mg/L			12/11/24 11:19	1

Client Sample ID: CROSS PORTAL 02 Lab Sample ID: 280-200316-7 Date Collected: 12/04/24 12:15 **Matrix: Water**

Date Received: 12/04/24 16:40

1	Date Neceived. 12/04/24 10:40									
	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Nitrate as N (EPA 300.0)	0.096	J	0.50	0.090	mg/L			12/04/24 22:28	1
	Nitrate Nitrite as N (EPA 353.2)	0.049	J	0.10	0.044	mg/L			12/05/24 13:19	1
	Total Dissolved Solids (TDS) (SM 2540C)	150		10	4.7	mg/L			12/05/24 08:50	1
١	Chloride (SM 4500 Cl- E)	ND		2.0	0.68	mg/L			12/10/24 13:29	1
	Sulfate (SM 4500 SO4 E)	12	В	5.0	0.71	mg/L			12/11/24 11:20	1

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Job ID: 280-200316-1

Matrix: Water

Client Sample Results

Client: Grand Island Resources Job ID: 280-200316-1

Project/Site: Nederland, CO - Groundwater

General Chemistry

Client Sample ID: CARIBOU PORTAL Lab Sample ID: 280-200316-8

Date Collected: 12/04/24 11:15

Date Received: 12/04/24 16:40

Matrix: Water

Date Received: 12/04/24 16:40									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N (EPA 300.0)	ND		0.50	0.090	mg/L			12/04/24 20:12	1
Nitrate Nitrite as N (EPA 353.2)	0.11		0.10	0.044	mg/L			12/05/24 13:20	1
Total Dissolved Solids (TDS) (SM 2540C)	130		10	4.7	mg/L			12/06/24 09:00	1
Chloride (SM 4500 Cl- E)	ND		2.0	0.68	mg/L			12/18/24 10:52	1
Sulfate (SM 4500 SO4 E)	9.6	В	5.0	0.71	mg/L			12/11/24 11:20	1

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

Client Sample ID: CROSS WELL Lab Sample ID: 280-200316-1

Date Collected: 12/04/24 13:00 Matrix: Water Date Received: 12/04/24 16:40

Count Total Uncert. Uncert. Analyte Result Qualifier $(2\sigma + / -)$ $(2\sigma + / -)$ RL **MDC** Unit Prepared Analyzed Dil Fac <u>12/09/24 08:07</u> <u>12/11/24 1</u>5:57 -0.130 U Gross Alpha 1.04 1.04 3.00 1.99 pCi/L 0.664 0.676 4.00 0.988 pCi/L 12/09/24 08:07 12/11/24 15:57 **Gross Beta** 1.29

Client Sample ID: COMPLIANCE WELL Lab Sample ID: 280-200316-2

Date Collected: 12/04/24 13:30 Matrix: Water

Date Received: 12/04/24 16:40

Count Total Uncert. Uncert. Analyte Result Qualifier $(2\sigma + / -)$ RL **MDC** Unit Prepared Analyzed Dil Fac $(2\sigma + / -)$ Gross Alpha 0.370 U 0.780 0.782 3.00 1.38 pCi/L 12/09/24 08:07 12/11/24 15:57 **Gross Beta** 0.869 0.531 0.538 4.00 0.787 pCi/L 12/09/24 08:07 12/11/24 15:57

Client Sample ID: COMPLIANCE 02 Lab Sample ID: 280-200316-3
Date Collected: 12/04/24 13:30 Matrix: Water

Date Collected: 12/04/24 13:30 Date Received: 12/04/24 16:40

Count Total Uncert. Uncert. Analyte Result Qualifier $(2\sigma + / -)$ $(2\sigma + / -)$ RL **MDC** Unit Prepared Analyzed Dil Fac Gross Alpha 0.524 U 12/09/24 08:07 12/11/24 15:57 1.03 1.03 3.00 1.80 pCi/L 0.636 **Gross Beta** 1.20 0.624 4.00 0.904 pCi/L 12/09/24 08:07 12/11/24 15:57

Client Sample ID: COMPLIANCE 03 Lab Sample ID: 280-200316-4

Date Collected: 12/04/24 13:30 Date Received: 12/04/24 16:40

Total Count Uncert. Uncert. Result Qualifier $(2\sigma + / -)$ $(2\sigma + / -)$ MDC Unit Dil Fac Analyte RL Prepared Analyzed 0.0564 U Gross Alpha 0.633 0.633 3.00 1.17 pCi/L 12/09/24 08:07 12/11/24 15:46 **Gross Beta** -0.291 U 0.427 0.428 4.00 0.825 pCi/L 12/09/24 08:07 12/11/24 15:46

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Matrix: Water

3

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6

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12

13

14

Client: Grand Island Resources Job ID: 280-200316-1

Project/Site: Nederland, CO - Groundwater

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

Client Sample ID: CARIBOU WELL Lab Sample ID: 280-200316-5

Date Collected: 12/04/24 11:30 Date Received: 12/04/24 16:40

Buto Modelitou.		•								
			Count	Total						
			Uncert.	Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Gross Alpha	1.81		0.883	0.906	3.00	1.18	pCi/L	12/09/24 08:07	12/11/24 15:46	1
Gross Beta	1.11		0.605	0.615	4.00	0.856	pCi/L	12/09/24 08:07	12/11/24 15:46	1

Client Sample ID: CROSS PORTAL Lab Sample ID: 280-200316-6 **Matrix: Water**

Date Collected: 12/04/24 12:15 Date Received: 12/04/24 16:40

Count Total Uncert. Uncert. Analyte Result Qualifier $(2\sigma + / -)$ $(2\sigma + / -)$ RLMDC Unit Prepared Analyzed Dil Fac Gross Alpha 0.629 U 1.10 1.10 3.00 1.89 pCi/L 12/09/24 08:07 12/11/24 15:46 Gross Beta 0.644 U 0.519 4.00 12/09/24 08:07 12/11/24 15:46 0.515 0.796 pCi/L

Client Sample ID: CROSS PORTAL 02 Lab Sample ID: 280-200316-7 Date Collected: 12/04/24 12:15 **Matrix: Water**

Date Received: 12/04/24 16:40

Date Neceiveu. 12	-/04/24 10.4									
			Count	Total						
			Uncert.	Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Gross Alpha	-0.592	U	0.868	0.870	3.00	1.85	pCi/L	12/09/24 08:07	12/11/24 15:45	1
Gross Beta	0.871	U	0.594	0.601	4.00	0.921	pCi/L	12/09/24 08:07	12/11/24 15:45	1

Client Sample ID: CARIBOU PORTAL Lab Sample ID: 280-200316-8 **Matrix: Water**

Date Collected: 12/04/24 11:15 Date Received: 12/04/24 16:40

Date Received.	LIOTILT IO.T									
			Count	Total						
			Uncert.	Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Gross Alpha	5.75		1.81	1.92	3.00	1.94	pCi/L	12/09/24 08:07	12/11/24 15:57	1
Gross Beta	0.820	U	0.730	0.735	4.00	1.07	pCi/L	12/09/24 08:07	12/11/24 15:57	1

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

Client Sample ID: CROSS WELL Lab Sample ID: 280-200316-1 **Matrix: Water**

Date Collected: 12/04/24 13:00

Date Received: 1	2/04/24 16:4	10								
			Count	Total						
			Uncert.	Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Cesium-137	-7.26	UG	9.45	9.48	20.0	24.7	pCi/L	12/31/24 16:05	01/02/25 20:22	1
			Count	Total						
Other Detected			Uncert.	Uncert.						
Radionuclides	Result	Qualifier	(2σ+/-)	(2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Other Detected	None						pCi/L	12/31/24 16:05	01/02/25 20:22	1
Radionuclide										

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Matrix: Water

Client: Grand Island Resources Job ID: 280-200316-1

Project/Site: Nederland, CO - Groundwater

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

Client Sample ID: COMPLIANCE WELL	Lab Sample ID: 280-200316-2
Date Collected: 12/04/24 13:30	Matrix: Water

Date Collected: 12/04/24 13:30 Date Received: 12/04/24 16:40

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Cesium-137	3.87	U	8.48	8.49	20.0	14.7	pCi/L	12/31/24 16:05	01/02/25 20:22	1
			Count	Total						
Other Detected			Uncert.	Uncert.						
Radionuclides	Result	Qualifier	(2σ+/-)	(2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Other Detected	None						pCi/L	12/31/24 16:05	01/02/25 20:22	1
Radionuclide										

Client Sample ID: COMPLIANCE 02 Lab Sample ID: 280-200316-3 **Matrix: Water**

Date Collected: 12/04/24 13:30

Date Received: 12/04/24 16:40

			Count Uncert.	Total Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Cesium-137	2.28	U	9.17	9.18	20.0	16.3	pCi/L	12/31/24 16:05	01/02/25 21:38	1
			Count	Total						
Other Detected			Uncert.	Uncert.						
Radionuclides	Result	Qualifier	(2σ+/-)	(2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Other Detected	None						pCi/L	12/31/24 16:05	01/02/25 21:38	1
Radionuclide										

Client Sample ID: COMPLIANCE 03 Lab Sample ID: 280-200316-4 Date Collected: 12/04/24 13:30 **Matrix: Water**

Date Received: 12	//04/24 16:4	Ю								
			Count	Total						
			Uncert.	Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Cesium-137	0.203	U	8.81	8.81	20.0	16.1	pCi/L	12/31/24 16:05	01/02/25 21:38	1
			Count	Total						
Other Detected			Uncert.	Uncert.						
Radionuclides	Result	Qualifier	(2σ+/-)	(2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Other Detected	None						pCi/L	12/31/24 16:05	01/02/25 21:38	1
Radionuclide										

Lab Sample ID: 280-200316-5 **Client Sample ID: CARIBOU WELL Matrix: Water**

Date Collected: 12/04/24 11:30 Date Received: 12/04/24 16:40

Date Received. I	2/04/24 10.4	Ю	Count Uncert.	Total Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Cesium-137	-10.5	U G	22.0	22.1	20.0	21.9	pCi/L	12/31/24 16:05	01/02/25 22:41	1
			Count	Total						
Other Detected			Uncert.	Uncert.						
Radionuclides	Result	Qualifier	(2σ+/-)	(2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Pb-214	59.9		18.7	19.6		19.3	pCi/L	12/31/24 16:05	01/02/25 22:41	1

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Client Sample Results

Client: Grand Island Resources Job ID: 280-200316-1

Project/Site: Nederland, CO - Groundwater

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

Client Sample ID: CROSS PORTAL	Lab Sample ID: 280-200316-6
Date Collected: 12/04/24 12:15	Matrix: Water

Date Collected: 12/04/24 12:15 Date Received: 12/04/24 16:40

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Cesium-137	-6.70	UG	13.2	13.2	20.0	22.3	pCi/L	12/31/24 16:05	01/02/25 22:40	1
			Count	Total						
Other Detected			Uncert.	Uncert.						
Radionuclides	Result	Qualifier	(2σ+/-)	(2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Other Detected	None						pCi/L	12/31/24 16:05	01/02/25 22:40	1
Radionuclide										

Client Sample ID: CROSS PORTAL 02

Date Collected: 12/04/24 12:15

Date Received: 12/04/24 16:40

Buto Modelivour II										
			Count	Total						
			Uncert.	Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Cesium-137	-7.33	U	8.94	8.97	20.0	19.9	pCi/L	12/31/24 16:05	01/02/25 22:41	1
			Count	Total						
Other Detected			Uncert.	Uncert.						
Radionuclides	Result	Qualifier	(2σ+/-)	(2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Other Detected	None						pCi/L	12/31/24 16:05	01/02/25 22:41	1
Radionuclide										

Client Sample ID: CARIBOU PORTAL

Date Collected: 12	<mark>/04/24 11:</mark> 1	5							Matrix	Water
Date Received: 12	<mark>/04/24 16:4</mark>	10								
			Count Uncert.	Total Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Cesium-137	-2.10	U	9.13	9.13	20.0	16.3	pCi/L	12/31/24 16:05	01/03/25 01:32	1
			Count	Total						
Other Detected			Uncert.	Uncert.						
Radionuclides	Result	Qualifier	(2σ+/-)	(2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Other Detected Radionuclide	None						pCi/L	12/31/24 16:05	01/03/25 01:32	1

Lab Sample ID: 280-200316-7

Lab Sample ID: 280-200316-8

Matrix: Water

Client: Grand Island Resources

Project/Site: Nederland, CO - Groundwater

Job ID: 280-200316-1

Method: 200.7 Rev 4.4 - Metals (ICP)

Lab Sample ID: MB 280-677553/1-A

Matrix: Water

Analyte Aluminum Boron Iron

Analysis Batch: 677832

Client Sample ID: Method Blank Prep Type: Total Recoverable Prep Batch: 677553

MB	MB						•	
Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
ND		0.10	0.018	mg/L		12/06/24 07:59	12/07/24 07:15	1
ND		0.10	0.0015	mg/L		12/06/24 07:59	12/07/24 07:15	1
0.0115	J	0.10	0.0091	mg/L		12/06/24 07:59	12/07/24 07:15	1

Lab Sample ID: LCS 280-677553/2-A

Matrix: Water

Analysis Batch: 677832

Client Sample ID: Lab Control Sample Prep Type: Total Recoverable Prep Batch: 677553

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Aluminum	10.0	9.66		mg/L		97	87 - 111	
Boron	2.00	1.96		mg/L		98	86 - 110	
Iron	10.0	10.1		mg/L		101	85 - 115	

Lab Sample ID: 280-200316-8 MS

Matrix: Water

Analysis Batch: 677832

Client Sample ID: CARIBOU PORTAL Prep Type: Dissolved

Prep Batch: 677553

	Sample	Sample	Spike	MS	MS				%Rec
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits
Aluminum	ND		10.0	9.70		mg/L		97	70 - 130
Boron	0.0027	J	2.00	1.98		mg/L		99	70 - 130
Iron	0.011	JB	10.0	10.1		mg/L		101	70 - 130

Lab Sample ID: 280-200316-8 MSD

Matrix: Water

Analysis Batch: 677832

Client Sample ID: CARIBOU PORTAL Prep Type: Dissolved

Prep Batch: 677553

-	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Aluminum	ND		10.0	9.67		mg/L		97	70 - 130	0	20
Boron	0.0027	J	2.00	1.98		mg/L		99	70 - 130	0	20
Iron	0.011	JB	10.0	10.1		mg/L		101	70 - 130	0	20

Method: 200.8 - ICPMS Total Metals

Lab Sample ID: MB 280-677553/1-A

Matrix: Water

Analysis Batch: 678046

Client Sample ID: Method Blank **Prep Type: Total Recoverable**

Prep Batch: 677553

-	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.0020	0.00040	mg/L		12/06/24 07:59	12/10/24 16:30	1
Arsenic	ND		0.0050	0.00050	mg/L		12/06/24 07:59	12/10/24 16:30	1
Barium	ND		0.0030	0.00038	mg/L		12/06/24 07:59	12/10/24 16:30	1
Cadmium	ND		0.0010	0.00019	mg/L		12/06/24 07:59	12/10/24 16:30	1
Copper	ND		0.0020	0.00071	mg/L		12/06/24 07:59	12/10/24 16:30	1
Lead	ND		0.0010	0.00023	mg/L		12/06/24 07:59	12/10/24 16:30	1
Manganese	0.000624	J	0.0030	0.00051	mg/L		12/06/24 07:59	12/10/24 16:30	1
Molybdenum	ND		0.0020	0.00037	mg/L		12/06/24 07:59	12/10/24 16:30	1
Uranium	0.0000400	J	0.0010	0.000030	mg/L		12/06/24 07:59	12/10/24 16:30	1
Zinc	ND		0.010	0.0020	mg/L		12/06/24 07:59	12/10/24 16:30	1

Client: Grand Island Resources

Project/Site: Nederland, CO - Groundwater

Job ID: 280-200316-1

Method: 200.8 - ICPMS Total Metals (Continued)

Lab Sample ID: LCS 280-677553/21-A

Matrix: Water

Analysis Batch: 678046

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

Prep Batch: 677553

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Antimony	0.0400	0.0399		mg/L		100	85 - 115	
Arsenic	0.0400	0.0396		mg/L		99	89 - 111	
Barium	0.0400	0.0402		mg/L		100	89 - 115	
Cadmium	0.0400	0.0412		mg/L		103	89 - 111	
Copper	0.0400	0.0407		mg/L		102	90 - 115	
Lead	0.0400	0.0402		mg/L		100	88 - 115	
Manganese	0.0400	0.0395		mg/L		99	87 - 115	
Molybdenum	0.0400	0.0401		mg/L		100	89 - 112	
Uranium	0.0400	0.0406		mg/L		101	85 - 115	
Zinc	0.0400	0.0398		mg/L		99	88 - 115	

Lab Sample ID: 280-200316-8 MS

Matrix: Water

Analysis Batch: 678046

Client Sample ID: CARIBOU PORTAL

Prep Type: Dissolved

Prep Batch: 677553

•	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Antimony	0.00068	J	0.0400	0.0406		mg/L		100	85 - 115	
Arsenic	0.00050	J	0.0400	0.0406		mg/L		102	79 - 120	
Barium	0.062		0.0400	0.101		mg/L		96	89 - 115	
Cadmium	ND		0.0400	0.0396		mg/L		99	89 - 111	
Copper	ND		0.0400	0.0385		mg/L		96	90 - 115	
Lead	0.00033	J	0.0400	0.0406		mg/L		101	88 - 115	
Manganese	0.0013	JB	0.0400	0.0390		mg/L		94	87 - 115	
Molybdenum	0.0072		0.0400	0.0476		mg/L		101	89 - 112	
Uranium	0.0067	В	0.0400	0.0480		mg/L		103	85 - 115	

Lab Sample ID: 280-200316-8 MS

Matrix: Water

Analysis Batch: 678242

Client Sample ID: CARIBOU PORTAL Prep Type: Dissolved

Prep Batch: 677553

	Sample Sample	Spike	IVIO IVIO				/onec
Analyte	Result Qualifier	Added	Result Qualifie	r Unit	D	%Rec	Limits
Zinc	0.0062 J	0.0400	0.0453	mg/L		98	88 - 115

Snika

Sample Sample

Lab Sample ID: 280-200316-8 MSD

Matrix: Water

Analysis Ratch: 678046

Client Sample ID: CARIBOU PORTAL

Prep Type: Dissolved Pren Batch: 677553

Alialysis Dalcii. 0/0040									Frep Do	ilcii. O	1 000
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Antimony	0.00068	J	0.0400	0.0413		mg/L		101	85 - 115	2	20
Arsenic	0.00050	J	0.0400	0.0412		mg/L		103	79 - 120	1	20
Barium	0.062		0.0400	0.101		mg/L		98	89 - 115	0	20
Cadmium	ND		0.0400	0.0399		mg/L		100	89 - 111	1	20
Copper	ND		0.0400	0.0396		mg/L		99	90 - 115	3	20
Lead	0.00033	J	0.0400	0.0415		mg/L		103	88 - 115	2	20
Manganese	0.0013	JB	0.0400	0.0409		mg/L		99	87 - 115	5	20
Molybdenum	0.0072		0.0400	0.0474		mg/L		100	89 - 112	0	20
Uranium	0.0067	В	0.0400	0.0490		mg/L		106	85 - 115	2	20

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Client: Grand Island Resources Job ID: 280-200316-1

Project/Site: Nederland, CO - Groundwater

Method: 200.8 - ICPMS Total Metals (Continued)

Sample Sample

0.0062 J

Result Qualifier

Lab Sample ID: 280-200316-8 MSD Client Sample ID: CARIBOU PORTAL

MSD MSD

0.0455

Result Qualifier

Spike

Added

0.0400

Matrix: Water

Analyte

Zinc

Analysis Batch: 678242

Prep Type: Dissolved

88 - 115

Prep Batch: 677553

%Rec **RPD** Limits RPD Limit

20

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 280-677296/51 **Client Sample ID: Method Blank**

Matrix: Water

Analysis Batch: 677296

Prep Type: Total/NA

Unit

mg/L

D %Rec

98

MB MB Analyte Result Qualifier RL **MDL** Unit Prepared Analyzed Dil Fac 0.50 0.090 mg/L Nitrate as N $\overline{\mathsf{ND}}$ 12/04/24 21:31

Lab Sample ID: MB 280-677296/6 Client Sample ID: Method Blank Prep Type: Total/NA

Matrix: Water

Analysis Batch: 677296

MB MB

Result Qualifier RL **MDL** Unit Dil Fac Analyte Prepared Analyzed 0.50 Nitrate as N ND 0.090 mg/L 12/04/24 11:06

Lab Sample ID: LCS 280-677296/4 **Client Sample ID: Lab Control Sample** Prep Type: Total/NA

Matrix: Water

Analysis Batch: 677296

LCS LCS Spike %Rec Analyte Added Result Qualifier Unit %Rec Limits Nitrate as N 5.00 4.89 mg/L 98 90 - 110

Lab Sample ID: LCS 280-677296/49 **Client Sample ID: Lab Control Sample Prep Type: Total/NA**

Matrix: Water

Analysis Batch: 677296

LCS LCS Spike %Rec Analyte Added Result Qualifier Unit Limits Nitrate as N 5.00 4.88 mg/L 90 - 110

Lab Sample ID: LCSD 280-677296/5 Client Sample ID: Lab Control Sample Dup Prep Type: Total/NA

Matrix: Water

Analysis Batch: 677296

LCSD LCSD RPD Spike %Rec Added Result Qualifier RPD Analyte Unit %Rec Limits Limit Nitrate as N 5.00 4.89 98 90 - 110 mg/L

Lab Sample ID: LCSD 280-677296/50 Client Sample ID: Lab Control Sample Dup Prep Type: Total/NA

Matrix: Water

Analysis Batch: 677296

LCSD LCSD **RPD** Spike %Rec Analyte Added Result Qualifier Unit %Rec Limits RPD Limit Nitrate as N 5.00 4.88 98 mg/L 90 - 110

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Client: Grand Island Resources Job ID: 280-200316-1

Project/Site: Nederland, CO - Groundwater

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: MRL 280-677296/3

Matrix: Water

Analysis Batch: 677296

Spike MRL MRL %Rec Added Result Qualifier Limits Analyte Unit %Rec 0.500 Nitrate as N 0.499 J mg/L 100 50 - 150

Lab Sample ID: 280-200316-6 MS

Matrix: Water

Analysis Batch: 677296

Sample Sample Spike MS MS %Rec Result Qualifier Added Result Qualifier D %Rec Limits Analyte Unit Nitrate as N 0.098 J 5.00 5.52 mg/L 108 80 - 120

Lab Sample ID: 280-200316-6 MSD

Matrix: Water

Analysis Batch: 677296

Sample Sample Spike MSD MSD %Rec **RPD** Result Qualifier Added Result Qualifier Limits RPD Analyte Unit %Rec Limit Nitrate as N 0.098 J 5.00 5.52 108 80 - 120 mg/L

Lab Sample ID: 280-200316-6 DU

Matrix: Water

Analysis Batch: 677296

DU DU **RPD** Sample Sample Analyte Result Qualifier Result Qualifier Unit **RPD** Limit Nitrate as N 0.098 J 0.0963 J mg/L 15

Method: 353.2 - Nitrogen, Nitrate-Nitrite

Lab Sample ID: MB 280-677547/98

Matrix: Water

Analysis Batch: 677547

MB MB

Analyte Result Qualifier RL **MDL** Unit Prepared Analyzed Dil Fac Nitrate Nitrite as N ND 0.10 0.044 mg/L 12/05/24 12:50

Lab Sample ID: LCS 280-677547/96

Matrix: Water

Analysis Batch: 677547

LCS LCS Spike %Rec Added Result Qualifier Analyte Unit %Rec Limits Nitrate Nitrite as N 1.00 0.965 mg/L 96 90 - 110

Lab Sample ID: LCSD 280-677547/97

Matrix: Water

Analysis Batch: 677547

LCSD LCSD **RPD** Spike %Rec Analyte Added Result Qualifier Unit %Rec Limits **RPD** Limit Nitrate Nitrite as N 1.00 0.968 mg/L 97 90 - 110

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Client Sample ID: Lab Control Sample

Client Sample ID: CROSS PORTAL

Client Sample ID: CROSS PORTAL

Client Sample ID: CROSS PORTAL

Client Sample ID: Method Blank

Client Sample ID: Lab Control Sample

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Type: Total/NA

Prep Type: Total/NA

Prep Type: Total/NA

Prep Type: Total/NA

Prep Type: Total/NA

Prep Type: Total/NA

Client: Grand Island Resources

Project/Site: Nederland, CO - Groundwater

Job ID: 280-200316-1

Prep Type: Total/NA

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

Lab Sample ID: 280-200316-1 MS **Client Sample ID: CROSS WELL**

Matrix: Water

Analysis Batch: 677547

Analysis Butom 577547	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Nitrate Nitrite as N	0.33		2.00	2.53		mg/L		110	90 - 110	

Lab Sample ID: 280-200316-1 MSD **Client Sample ID: CROSS WELL**

Matrix: Water Prep Type: Total/NA

Analysis Batch: 677547

-	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Nitrate Nitrite as N	0.33		2.00	2.53		mg/L		110	90 - 110	0	10

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

Lab Sample ID: MB 280-677451/1 **Client Sample ID: Method Blank** Prep Type: Total/NA

Matrix: Water

Analysis Batch: 677451

	MB MB						
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (TDS)	ND -	10	4.7 mg/L			12/05/24 08:50	1

Lab Sample ID: LCS 280-677451/2 **Client Sample ID: Lab Control Sample** Prep Type: Total/NA

Matrix: Water

Analysis Batch: 677451

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Total Dissolved Solids (TDS)	503	467		mg/L		93	88 - 114	

Lab Sample ID: 280-200316-7 DU Client Sample ID: CROSS PORTAL 02 **Matrix: Water Prep Type: Total/NA**

Analysis Batch: 677451

_	Sample	Sample	D	J D	U					RPD
Analyte	Result	Qualifier	Resu	t Q	ualifier	Unit	D		RPD	Limit
Total Dissolved Solids (TDS)	150			0 F3	3	ma/l	_	 	13	10

Lab Sample ID: MB 280-677600/1 Client Sample ID: Method Blank Prep Type: Total/NA

Matrix: Water

Analysis Batch: 677600

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (TDS)	ND		10	4.7	mg/L			12/06/24 09:00	1

Lab Sample ID: LCS 280-677600/2 **Client Sample ID: Lab Control Sample Matrix: Water** Prep Type: Total/NA

Analysis Batch: 677600

LCS LCS Spike %Rec Added Result Qualifier Unit D %Rec Limits Total Dissolved Solids (TDS) 501 498 mg/L 99 88 - 114

Job ID: 280-200316-1

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

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

Lab Sample ID: 280-200033-B-1 DU **Client Sample ID: Duplicate Prep Type: Total/NA**

Matrix: Water

Analysis Batch: 677600

,	Sample	Sample	DU	DU					RPD
Analyte	Result	Qualifier	Result	Qualifier	Unit	D		RPD	Limit
Total Dissolved Solids (TDS)	2200		2180		mg/L			0.9	10

Method: SM 4500 Cl- E - Chloride, Total

Lab Sample ID: MB 280-678002/15 **Client Sample ID: Method Blank Prep Type: Total/NA**

Matrix: Water

Analysis Batch: 678002

MB MB

Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND —	2.0	0.68 mg/L			12/10/24 13:28	1

Lab Sample ID: LCS 280-678002/13 **Client Sample ID: Lab Control Sample Matrix: Water** Prep Type: Total/NA

Analysis Batch: 678002

	Spike	LCS	LCS				%Rec
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits
Chloride	20.0	20.4		mg/L		102	90 - 110

Lab Sample ID: LCSD 280-678002/14 **Client Sample ID: Lab Control Sample Dup** Prep Type: Total/NA

Matrix: Water

Analysis Batch: 678002

	Spike	LCSD	LCSD				%Rec		RPD	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Chloride	20.0	20.7		mg/L		104	90 - 110	2	10	

Lab Sample ID: 280-200316-3 MS **Client Sample ID: COMPLIANCE 02 Prep Type: Total/NA**

Matrix: Water

Analysis Batch: 678002

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	3.3		20.0	24.6		mg/L		106	90 - 110	

Lab Sample ID: 280-200316-3 MSD **Client Sample ID: COMPLIANCE 02 Prep Type: Total/NA**

Matrix: Water

Analysis Batch: 678002

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	3.3		20.0	23.5		mg/L		101	90 - 110	5	10

Lab Sample ID: MB 280-678965/15 **Client Sample ID: Method Blank** Prep Type: Total/NA

Matrix: Water

Analysis Batch: 678965

MR MR

	INID INID						
Analyte	Result Qualifier	RL	MDL Ur	nit D	Prepared	Analyzed	Dil Fac
Chloride	ND ND	2.0	0.68 mg	g/L		12/18/24 10:51	1

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Job ID: 280-200316-1

Prep Type: Total/NA

Client: Grand Island Resources

Project/Site: Nederland, CO - Groundwater

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

Lab Sample ID: LCS 280-678965/13 **Client Sample ID: Lab Control Sample**

Matrix: Water

Analysis Batch: 678965

Spike LCS LCS %Rec Added Result Qualifier %Rec Limits Analyte Unit D Chloride 20.0 18.5 mg/L 93 90 - 110

Lab Sample ID: LCSD 280-678965/14 Client Sample ID: Lab Control Sample Dup **Matrix: Water** Prep Type: Total/NA

Analysis Batch: 678965

Spike LCSD LCSD %Rec **RPD** Added Result Qualifier D %Rec Limits RPD Limit Analyte Unit 20.0 18.5 90 - 110 Chloride mg/L 92 n

Lab Sample ID: 280-200316-8 MS Client Sample ID: CARIBOU PORTAL Prep Type: Total/NA

Matrix: Water

Analysis Batch: 678965

Sample Sample Spike MS MS %Rec Result Qualifier Added Result Qualifier Limits **Analyte** Unit %Rec Chloride ND 20.0 19.9 99 90 - 110 mg/L

Client Sample ID: CARIBOU PORTAL Lab Sample ID: 280-200316-8 MSD **Prep Type: Total/NA**

Matrix: Water

Analysis Batch: 678965

Spike MSD MSD %Rec **RPD** Sample Sample Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits **RPD** Limit Chloride 20.0 20.6 ND mg/L 103 90 - 110 10

Method: SM 4500 SO4 E - Sulfate. Total

Lab Sample ID: MB 280-678112/14 **Client Sample ID: Method Blank Prep Type: Total/NA**

Matrix: Water

Analysis Batch: 678112

MB MB

Analyte Result Qualifier RL **MDL** Unit Prepared Analyzed Dil Fac Sulfate 0.846 J 5.0 0.71 mg/L 12/11/24 11:18

Lab Sample ID: LCS 280-678112/12

Matrix: Water

Analysis Batch: 678112

LCS LCS Spike %Rec Added Result Qualifier Analyte Unit %Rec Limits Sulfate 25.0 25.9 mg/L 104 90 - 110

Lab Sample ID: LCSD 280-678112/13 Client Sample ID: Lab Control Sample Dup Prep Type: Total/NA

Matrix: Water

Analysis Batch: 678112

LCSD LCSD **RPD** Spike %Rec Analyte Added Result Qualifier Unit %Rec Limits **RPD** Limit Sulfate 25.0 26.0 104 mg/L 90 - 110

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Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Client: Grand Island Resources Job ID: 280-200316-1

Project/Site: Nederland, CO - Groundwater

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

Lab Sample ID: 280-200316-3 MS **Client Sample ID: COMPLIANCE 02**

Matrix: Water

Analysis Batch: 678112

Sample Sample Spike MS MS %Rec Analyte Result Qualifier Added Result Qualifier Limits Unit %Rec Sulfate 25.0 10 B 33.3 mg/L 93 90 - 110

Client Sample ID: COMPLIANCE 02 Lab Sample ID: 280-200316-3 MSD Prep Type: Total/NA

Matrix: Water

Analysis Batch: 678112

Sample Sample Spike MSD MSD %Rec **RPD** Analyte Result Qualifier Added Result Qualifier Unit D %Rec Limits RPD Limit Sulfate 10 B 25.0 35.5 mg/L 102 90 - 110 6 10

Method: 900.0 - Gross Alpha and Gross Beta Radioactivity

Lab Sample ID: MB 160-692607/1-A **Client Sample ID: Method Blank** Prep Type: Total/NA

Matrix: Water

Analysis Batch	: 693093								Prep Batch:	692607
	WD.		Count	Total						
	MR	MB	Uncert.	Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Gross Alpha	-0.02837	U	0.587	0.587	3.00	1.11	pCi/L	12/09/24 08:07	12/11/24 15:41	1
Gross Beta	-0.4452	U	0.482	0.484	4.00	0.938	pCi/L	12/09/24 08:07	12/11/24 15:41	1

Lab Sample ID: LCS 160-692607/2-A **Client Sample ID: Lab Control Sample Matrix: Water** Prep Type: Total/NA **Prep Batch: 692607**

Analysis Batch: 693093

Total LCS LCS %Rec Spike Uncert. Analyte Added Result Qual $(2\sigma + / -)$ RL **MDC** Unit %Rec Limits Gross Alpha 49.5 55.61 7.91 3.00 2.32 pCi/L 112 75 - 125

Lab Sample ID: LCSB 160-692607/3-A **Client Sample ID: Lab Control Sample Prep Type: Total/NA**

Matrix: Water

Analysis Batch: 693093								Prep Batch: 692607	7
				Total					
	Spike	LCSB	LCSB	Uncert.				%Rec	
Analyte	Added	Result	Qual	(2σ+/-)	RL	MDC Unit	%Rec	Limits	
Gross Beta	70.5	67.02		7.22	4.00	0.996 pCi/L	95	75 - 125	_

Client Sample ID: CROSS PORTAL 02 Lab Sample ID: 280-200316-7 MS **Prep Type: Dissolved**

Matrix: Water

Analysis Batch: 693093

•				Total					•
	Sample Sampl	e Spike	MS M	S Uncert.					%Rec
Analyte	Result Qual	Added	Result Q	ual (2σ+/-)	RL	MDC	Unit	%Rec	Limits
Gross Alpha	-0.592 U	49.5	44.08	6.40	3.00	1.82	pCi/L	89	60 - 140

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Prep Batch: 692607

Prep Type: Total/NA

Total

Job ID: 280-200316-1

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

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

Lab Sample ID: 280-200316-7 MSBT

Matrix: Water

Analysis Batch: 693093

Client Sample ID: CROSS PORTAL 02

Prep Type: Dissolved

Prep Batch: 692607

						iotai						
	Sample	Sample	Spike	MSBT	MSBT	Uncert.					%Rec	
Analyte	Result	Qual	Added	Result	Qual	(2σ+/-)	RL	MDC	Unit	%Rec	Limits	
Gross Beta	0.871	U	70.5	66.40		7.18	4.00	0.817	pCi/L	93	60 - 140	

Lab Sample ID: 280-200316-7 DU

Matrix: Water

Analysis Batch: 693093

Client Sample ID: CROSS PORTAL 02

Prep Type: Dissolved Prep Batch: 692607

	_					Total				•		
		Sample	Sample	DU	DU	Uncert.						RER
1	Analyte	Result	Qual	Result	Qual	(2σ+/-)	RL	MDC	Unit		RER	Limit
(Gross Alpha	-0.592	U	1.517	U	1.08	3.00	1.56	pCi/L	 	1.08	1
L	Gross Beta	0.871	U	0.8665	U	0.667	4.00	1.02	pCi/L		0	1

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

Lab Sample ID: MB 160-696157/1-A

Matrix: Water

Analysis Batch: 696459

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

Prep Batch: 696157

			Count	Total						
	MB	MB	Uncert.	Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Cesium-137	-4.874	U	9.17	9.18	20.0	17.3	pCi/L	12/31/24 16:05	01/02/25 20:22	1
			Count	Total						
Other Detected	MB	MB	Uncert.	Uncert.						
Radionuclides	Result	Qualifier	(2σ+/-)	(2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Other Detected	None						pCi/L	12/31/24 16:05	01/02/25 20:22	1
Radionuclide										

Lab Sample ID: LCS 160-696157/2-A

Matrix: Water

Analysis Batch: 696580

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 696157

				Total						
	Spike	LCS	LCS	Uncert.					%Rec	
Analyte	Added	Result	Qual	(2σ+/-)	RL	MDC	Unit	%Rec	Limits	
Americium-241	135000	145800		15900		1060	pCi/L	108	75 - 125	
Cesium-137	39200	45340		4500	20.0	103	pCi/L	116	75 - 125	
Cobalt-60	14100	15410		1510		55.0	pCi/L	109	75 - 125	

Lab Sample ID: 280-200316-1 DU

Matrix: Water

Client Sample ID: CROSS WELL

Prep Type: Dissolved

Analysis Bato	:h: 6964	59							Prep Batch: 6	396157
					Total					
	Sample	Sample	DU	DU	Uncert.					RER
Analyte	Result	Qual	Result	Qual	(2σ+/-)	RL	MDC	Unit	RER	Limit
Cesium-137	-7.26	U G	-6.295	U	10.2	20.0	19.3	pCi/L	0.05	5 1
					Total					
Other Detected	Sample	Sample	DU	DU	Uncert.					RER
Radionuclides	Result	Qual	Result	Qual	(2σ+/-)	RL	MDC	Unit	RER	Limit
Other Detected	None		None					pCi/L		
Radionuclide										

Client: Grand Island Resources

Project/Site: Nederland, CO - Groundwater

Prep Batch: 677553

Metals

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-200316-1	CROSS WELL	Dissolved	Water	200.8	
280-200316-2	COMPLIANCE WELL	Dissolved	Water	200.8	
280-200316-3	COMPLIANCE 02	Dissolved	Water	200.8	
280-200316-4	COMPLIANCE 03	Dissolved	Water	200.8	
280-200316-5	CARIBOU WELL	Dissolved	Water	200.8	
280-200316-6	CROSS PORTAL	Dissolved	Water	200.8	
280-200316-7	CROSS PORTAL 02	Dissolved	Water	200.8	
280-200316-8	CARIBOU PORTAL	Dissolved	Water	200.7	
280-200316-8	CARIBOU PORTAL	Dissolved	Water	200.8	
MB 280-677553/1-A	Method Blank	Total Recoverable	Water	200.8	
LCS 280-677553/21-A	Lab Control Sample	Total Recoverable	Water	200.8	
LCS 280-677553/2-A	Lab Control Sample	Total Recoverable	Water	200.8	
280-200316-8 MS	CARIBOU PORTAL	Dissolved	Water	200.7	
280-200316-8 MS	CARIBOU PORTAL	Dissolved	Water	200.8	
280-200316-8 MSD	CARIBOU PORTAL	Dissolved	Water	200.7	
280-200316-8 MSD	CARIBOU PORTAL	Dissolved	Water	200.8	

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-200316-1	CROSS WELL	Dissolved	Water	200.7 Rev 4.4	677553
280-200316-2	COMPLIANCE WELL	Dissolved	Water	200.7 Rev 4.4	677553
280-200316-3	COMPLIANCE 02	Dissolved	Water	200.7 Rev 4.4	677553
280-200316-4	COMPLIANCE 03	Dissolved	Water	200.7 Rev 4.4	677553
280-200316-5	CARIBOU WELL	Dissolved	Water	200.7 Rev 4.4	677553
280-200316-6	CROSS PORTAL	Dissolved	Water	200.7 Rev 4.4	677553
280-200316-7	CROSS PORTAL 02	Dissolved	Water	200.7 Rev 4.4	677553
280-200316-8	CARIBOU PORTAL	Dissolved	Water	200.7 Rev 4.4	677553
MB 280-677553/1-A	Method Blank	Total Recoverable	Water	200.7 Rev 4.4	677553
LCS 280-677553/2-A	Lab Control Sample	Total Recoverable	Water	200.7 Rev 4.4	677553
280-200316-8 MS	CARIBOU PORTAL	Dissolved	Water	200.7 Rev 4.4	677553
280-200316-8 MSD	CARIBOU PORTAL	Dissolved	Water	200.7 Rev 4.4	677553

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-200316-1	CROSS WELL	Dissolved	Water	200.8	677553
280-200316-2	COMPLIANCE WELL	Dissolved	Water	200.8	677553
280-200316-3	COMPLIANCE 02	Dissolved	Water	200.8	677553
280-200316-4	COMPLIANCE 03	Dissolved	Water	200.8	677553
280-200316-5	CARIBOU WELL	Dissolved	Water	200.8	677553
280-200316-6	CROSS PORTAL	Dissolved	Water	200.8	677553
280-200316-7	CROSS PORTAL 02	Dissolved	Water	200.8	677553
280-200316-8	CARIBOU PORTAL	Dissolved	Water	200.8	677553
MB 280-677553/1-A	Method Blank	Total Recoverable	Water	200.8	677553
LCS 280-677553/21-A	Lab Control Sample	Total Recoverable	Water	200.8	677553
280-200316-8 MS	CARIBOU PORTAL	Dissolved	Water	200.8	677553
280-200316-8 MSD	CARIBOU PORTAL	Dissolved	Water	200.8	677553

An

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-200316-7	CROSS PORTAL 02	Dissolved	Water	200.8	677553
280-200316-8	CARIBOU PORTAL	Dissolved	Water	200.8	677553

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Job ID: 280-200316-1

Analysis Batch: 677832

Analysis Batch: 678046

280-200316-3	COMPLIANCE 02	Dissolved	vvater	200.8	677553
280-200316-4	COMPLIANCE 03	Dissolved	Water	200.8	677553
280-200316-5	CARIBOU WELL	Dissolved	Water	200.8	677553
280-200316-6	CROSS PORTAL	Dissolved	Water	200.8	677553
280-200316-7	CROSS PORTAL 02	Dissolved	Water	200.8	677553
280-200316-8	CARIBOU PORTAL	Dissolved	Water	200.8	677553
MB 280-677553/1-A	Method Blank	Total Recoverable	Water	200.8	677553
LCS 280-677553/21-A	Lab Control Sample	Total Recoverable	Water	200.8	677553
280-200316-8 MS	CARIBOU PORTAL	Dissolved	Water	200.8	677553
280-200316-8 MSD	CARIBOU PORTAL	Dissolved	Water	200.8	677553

Client: Grand Island Resources

Project/Site: Nederland, CO - Groundwater

Job ID: 280-200316-1

Metals (Continued)

Analysis Batch: 678242 (Continued)

	Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
	280-200316-8 MS	CARIBOU PORTAL	Dissolved	Water	200.8	677553
İ	280-200316-8 MSD	CARIBOU PORTAL	Dissolved	Water	200.8	677553

General Chemistry

Analysis Batch: 677296

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-200316-1	CROSS WELL	Total/NA	Water	300.0	
280-200316-2	COMPLIANCE WELL	Total/NA	Water	300.0	
280-200316-3	COMPLIANCE 02	Total/NA	Water	300.0	
280-200316-4	COMPLIANCE 03	Total/NA	Water	300.0	
280-200316-5	CARIBOU WELL	Total/NA	Water	300.0	
280-200316-6	CROSS PORTAL	Total/NA	Water	300.0	
280-200316-7	CROSS PORTAL 02	Total/NA	Water	300.0	
280-200316-8	CARIBOU PORTAL	Total/NA	Water	300.0	
MB 280-677296/51	Method Blank	Total/NA	Water	300.0	
MB 280-677296/6	Method Blank	Total/NA	Water	300.0	
LCS 280-677296/4	Lab Control Sample	Total/NA	Water	300.0	
LCS 280-677296/49	Lab Control Sample	Total/NA	Water	300.0	
LCSD 280-677296/5	Lab Control Sample Dup	Total/NA	Water	300.0	
LCSD 280-677296/50	Lab Control Sample Dup	Total/NA	Water	300.0	
MRL 280-677296/3	Lab Control Sample	Total/NA	Water	300.0	
280-200316-6 MS	CROSS PORTAL	Total/NA	Water	300.0	
280-200316-6 MSD	CROSS PORTAL	Total/NA	Water	300.0	
280-200316-6 DU	CROSS PORTAL	Total/NA	Water	300.0	

Analysis Batch: 677451

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-200316-1	CROSS WELL	Total/NA	Water	SM 2540C	
280-200316-2	COMPLIANCE WELL	Total/NA	Water	SM 2540C	
280-200316-3	COMPLIANCE 02	Total/NA	Water	SM 2540C	
280-200316-4	COMPLIANCE 03	Total/NA	Water	SM 2540C	
280-200316-5	CARIBOU WELL	Total/NA	Water	SM 2540C	
280-200316-6	CROSS PORTAL	Total/NA	Water	SM 2540C	
280-200316-7	CROSS PORTAL 02	Total/NA	Water	SM 2540C	
MB 280-677451/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 280-677451/2	Lab Control Sample	Total/NA	Water	SM 2540C	
280-200316-7 DU	CROSS PORTAL 02	Total/NA	Water	SM 2540C	

Analysis Batch: 677547

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-200316-1	CROSS WELL	Total/NA	Water	353.2	
280-200316-2	COMPLIANCE WELL	Total/NA	Water	353.2	
280-200316-3	COMPLIANCE 02	Total/NA	Water	353.2	
280-200316-4	COMPLIANCE 03	Total/NA	Water	353.2	
280-200316-5	CARIBOU WELL	Total/NA	Water	353.2	
280-200316-6	CROSS PORTAL	Total/NA	Water	353.2	
280-200316-7	CROSS PORTAL 02	Total/NA	Water	353.2	
280-200316-8	CARIBOU PORTAL	Total/NA	Water	353.2	
MB 280-677547/98	Method Blank	Total/NA	Water	353.2	
LCS 280-677547/96	Lab Control Sample	Total/NA	Water	353.2	

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Client: Grand Island Resources

Project/Site: Nederland, CO - Groundwater

General Chemistry (Continued)

Analysis Batch: 677547 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 280-677547/97	Lab Control Sample Dup	Total/NA	Water	353.2	
280-200316-1 MS	CROSS WELL	Total/NA	Water	353.2	
280-200316-1 MSD	CROSS WELL	Total/NA	Water	353.2	

Analysis Batch: 677600

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-200316-8	CARIBOU PORTAL	Total/NA	Water	SM 2540C	
MB 280-677600/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 280-677600/2	Lab Control Sample	Total/NA	Water	SM 2540C	
280-200033-B-1 DU	Duplicate	Total/NA	Water	SM 2540C	

Analysis Batch: 678002

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-200316-1	CROSS WELL	Total/NA	Water	SM 4500 CI- E	
280-200316-2	COMPLIANCE WELL	Total/NA	Water	SM 4500 CI- E	
280-200316-3	COMPLIANCE 02	Total/NA	Water	SM 4500 CI- E	
280-200316-4	COMPLIANCE 03	Total/NA	Water	SM 4500 CI- E	
280-200316-5	CARIBOU WELL	Total/NA	Water	SM 4500 CI- E	
280-200316-6	CROSS PORTAL	Total/NA	Water	SM 4500 CI- E	
280-200316-7	CROSS PORTAL 02	Total/NA	Water	SM 4500 CI- E	
MB 280-678002/15	Method Blank	Total/NA	Water	SM 4500 CI- E	
LCS 280-678002/13	Lab Control Sample	Total/NA	Water	SM 4500 CI- E	
LCSD 280-678002/14	Lab Control Sample Dup	Total/NA	Water	SM 4500 CI- E	
280-200316-3 MS	COMPLIANCE 02	Total/NA	Water	SM 4500 CI- E	
280-200316-3 MSD	COMPLIANCE 02	Total/NA	Water	SM 4500 CI- E	

Analysis Batch: 678112

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-200316-1	CROSS WELL	Total/NA	Water	SM 4500 SO4 E	
280-200316-2	COMPLIANCE WELL	Total/NA	Water	SM 4500 SO4 E	
280-200316-3	COMPLIANCE 02	Total/NA	Water	SM 4500 SO4 E	
280-200316-4	COMPLIANCE 03	Total/NA	Water	SM 4500 SO4 E	
280-200316-5	CARIBOU WELL	Total/NA	Water	SM 4500 SO4 E	
280-200316-6	CROSS PORTAL	Total/NA	Water	SM 4500 SO4 E	
280-200316-7	CROSS PORTAL 02	Total/NA	Water	SM 4500 SO4 E	
280-200316-8	CARIBOU PORTAL	Total/NA	Water	SM 4500 SO4 E	
MB 280-678112/14	Method Blank	Total/NA	Water	SM 4500 SO4 E	
LCS 280-678112/12	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	
LCSD 280-678112/13	Lab Control Sample Dup	Total/NA	Water	SM 4500 SO4 E	
280-200316-3 MS	COMPLIANCE 02	Total/NA	Water	SM 4500 SO4 E	
280-200316-3 MSD	COMPLIANCE 02	Total/NA	Water	SM 4500 SO4 E	

Analysis Batch: 678965

Lab Sample ID 280-200316-8	Client Sample ID CARIBOU PORTAL	Prep Type Total/NA	Matrix Water	Method SM 4500 CI- E	Prep Batch
MB 280-678965/15	Method Blank	Total/NA	Water	SM 4500 CI- E	
LCS 280-678965/13	Lab Control Sample	Total/NA	Water	SM 4500 CI- E	
LCSD 280-678965/14	Lab Control Sample Dup	Total/NA	Water	SM 4500 CI- E	
280-200316-8 MS	CARIBOU PORTAL	Total/NA	Water	SM 4500 CI- E	
280-200316-8 MSD	CARIBOU PORTAL	Total/NA	Water	SM 4500 CI- E	

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Job ID: 280-200316-1

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Client: Grand Island Resources

Project/Site: Nederland, CO - Groundwater

Job ID: 280-200316-1

Prep Batch: 692607

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-200316-1	CROSS WELL	Dissolved	Water	Evaporation	
280-200316-2	COMPLIANCE WELL	Dissolved	Water	Evaporation	
280-200316-3	COMPLIANCE 02	Dissolved	Water	Evaporation	
280-200316-4	COMPLIANCE 03	Dissolved	Water	Evaporation	
280-200316-5	CARIBOU WELL	Dissolved	Water	Evaporation	
280-200316-6	CROSS PORTAL	Dissolved	Water	Evaporation	
280-200316-7	CROSS PORTAL 02	Dissolved	Water	Evaporation	
280-200316-8	CARIBOU PORTAL	Dissolved	Water	Evaporation	
MB 160-692607/1-A	Method Blank	Total/NA	Water	Evaporation	
LCS 160-692607/2-A	Lab Control Sample	Total/NA	Water	Evaporation	
LCSB 160-692607/3-A	Lab Control Sample	Total/NA	Water	Evaporation	
280-200316-7 MS	CROSS PORTAL 02	Dissolved	Water	Evaporation	
280-200316-7 MSBT	CROSS PORTAL 02	Dissolved	Water	Evaporation	
280-200316-7 DU	CROSS PORTAL 02	Dissolved	Water	Evaporation	

Prep Batch: 696157

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-200316-1	CROSS WELL	Dissolved	Water	Fill_Geo-0	
280-200316-2	COMPLIANCE WELL	Dissolved	Water	Fill_Geo-0	
280-200316-3	COMPLIANCE 02	Dissolved	Water	Fill_Geo-0	
280-200316-4	COMPLIANCE 03	Dissolved	Water	Fill_Geo-0	
280-200316-5	CARIBOU WELL	Dissolved	Water	Fill_Geo-0	
280-200316-6	CROSS PORTAL	Dissolved	Water	Fill_Geo-0	
280-200316-7	CROSS PORTAL 02	Dissolved	Water	Fill_Geo-0	
280-200316-8	CARIBOU PORTAL	Dissolved	Water	Fill_Geo-0	
MB 160-696157/1-A	Method Blank	Total/NA	Water	Fill_Geo-0	
LCS 160-696157/2-A	Lab Control Sample	Total/NA	Water	Fill_Geo-0	
280-200316-1 DU	CROSS WELL	Dissolved	Water	Fill Geo-0	

Job ID: 280-200316-1

Project/Site: Nederland, CO - Groundwater

Client Sample ID: CROSS WELL

Date Collected: 12/04/24 13:00 Date Received: 12/04/24 16:40

Client: Grand Island Resources

Lab Sample ID: 280-200316-1

Matrix: Water

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Dissolved	Prep	200.8			50 mL	50 mL	677553	12/06/24 07:59	AMH	EET DEN
Dissolved	Analysis	200.7 Rev 4.4		1			677832	12/07/24 08:04	ADL	EET DEN
Dissolved	Prep	200.8			50 mL	50 mL	677553	12/06/24 07:59	AMH	EET DEN
Dissolved	Analysis	200.8		1			678046	12/10/24 16:35	LMT	EET DEN
Total/NA	Analysis	300.0		1	10 mL	10 mL	677296	12/04/24 22:39	EJS	EET DEN
Total/NA	Analysis	353.2		1	100 mL	100 mL	677547	12/05/24 13:09	AKF	EET DEN
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	677451	12/05/24 08:50	BRD	EET DEN
Total/NA	Analysis	SM 4500 CI- E		1	2 mL	2 mL	678002	12/10/24 13:30	CLP	EET DEN
Total/NA	Analysis	SM 4500 SO4 E		1	2 mL	2 mL	678112	12/11/24 11:19	CLP	EET DEN
Dissolved	Prep	Evaporation			200.02 mL	1.0 g	692607	12/09/24 08:07	MEH	EET SL
Dissolved	Analysis	900.0		1			693092	12/11/24 15:57	SCB	EET SL
Dissolved	Prep	Fill_Geo-0			1000 mL	1.0 g	696157	12/31/24 16:05	HGB	EET SL
Dissolved	Analysis	901.1		1			696540	01/02/25 20:22	SCB	EET SL

Client Sample ID: COMPLIANCE WELL

Date Collected: 12/04/24 13:30

Date Received: 12/04/24 16:40

Lab Sample ID: 280-200316-2

Matrix: Water

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Dissolved	Prep	200.8			50 mL	50 mL	677553	12/06/24 07:59	AMH	EET DEN
Dissolved	Analysis	200.7 Rev 4.4		1			677832	12/07/24 08:19	ADL	EET DEN
Dissolved	Prep	200.8			50 mL	50 mL	677553	12/06/24 07:59	AMH	EET DEN
Dissolved	Analysis	200.8		1			678046	12/10/24 16:37	LMT	EET DEN
Total/NA	Analysis	300.0		1	10 mL	10 mL	677296	12/04/24 22:51	EJS	EET DEN
Total/NA	Analysis	353.2		1	100 mL	100 mL	677547	12/05/24 13:13	AKF	EET DEN
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	677451	12/05/24 08:50	BRD	EET DEN
Total/NA	Analysis	SM 4500 CI- E		1	2 mL	2 mL	678002	12/10/24 13:30	CLP	EET DEN
Total/NA	Analysis	SM 4500 SO4 E		1	2 mL	2 mL	678112	12/11/24 11:19	CLP	EET DEN
Dissolved	Prep	Evaporation			200.02 mL	1.0 g	692607	12/09/24 08:07	MEH	EET SL
Dissolved	Analysis	900.0		1			693092	12/11/24 15:57	SCB	EET SL
Dissolved	Prep	Fill_Geo-0			1000 mL	1.0 g	696157	12/31/24 16:05	HGB	EET SL
Dissolved	Analysis	901.1		1			696580	01/02/25 20:22	SCB	EET SL

Client Sample ID: COMPLIANCE 02

Date Collected: 12/04/24 13:30

Date Received: 12/04/24 16:40

Lab Sample ID: 280-200316-3

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	677553	12/06/24 07:59	AMH	EET DEN
Dissolved	Analysis	200.7 Rev 4.4		1			677832	12/07/24 08:23	ADL	EET DEN
Dissolved	Prep	200.8			50 mL	50 mL	677553	12/06/24 07:59	AMH	EET DEN
Dissolved	Analysis	200.8		1			678046	12/10/24 16:40	LMT	EET DEN
Total/NA	Analysis	300.0		1	10 mL	10 mL	677296	12/04/24 23:02	EJS	EET DEN
Total/NA	Analysis	353.2		1	100 mL	100 mL	677547	12/05/24 13:14	AKF	EET DEN

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Client: Grand Island Resources

Project/Site: Nederland, CO - Groundwater

Client Sample ID: COMPLIANCE 02

Batch

Batch

Date Collected: 12/04/24 13:30 Date Received: 12/04/24 16:40 Lab Sample ID: 280-200316-3

Matrix: Water

Batch	Prepared		
Number	or Analyzed	Analyst	Lab
677451	12/05/24 08:50	BRD	EET DEN
070000			

Prep Type Method **Amount** Type Run **Factor** Amount Total/NA Analysis SM 2540C 100 mL 100 mL Total/NA 2 mL Analysis SM 4500 CI- E 2 mL 678002 12/10/24 13:28 CLP **EET DEN** Total/NA Analysis SM 4500 SO4 E 2 mL 2 mL 678112 12/11/24 11:18 CLP EET DEN Dissolved Prep 200.01 mL 692607 12/09/24 08:07 MEH EET SL Evaporation 1.0 g Dissolved Analysis 900.0 693092 12/11/24 15:57 SCB EET SL 1 Dissolved Prep Fill Geo-0 1000 mL 1.0 g 696157 12/31/24 16:05 HGB EET SL 696580 Dissolved Analysis 901.1 1 01/02/25 21:38 SCB EET SL

Initial

Final

Dil

Client Sample ID: COMPLIANCE 03

Date Collected: 12/04/24 13:30 Date Received: 12/04/24 16:40 Lab Sample ID: 280-200316-4

Matrix: Water

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Dissolved	Prep	200.8			50 mL	50 mL	677553	12/06/24 07:59	AMH	EET DEN
Dissolved	Analysis	200.7 Rev 4.4		1			677832	12/07/24 08:27	ADL	EET DEN
Dissolved	Prep	200.8			50 mL	50 mL	677553	12/06/24 07:59	AMH	EET DEN
Dissolved	Analysis	200.8		1			678046	12/10/24 16:42	LMT	EET DEN
Total/NA	Analysis	300.0		1	10 mL	10 mL	677296	12/04/24 23:13	EJS	EET DEN
Total/NA	Analysis	353.2		1	100 mL	100 mL	677547	12/05/24 13:15	AKF	EET DEN
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	677451	12/05/24 08:50	BRD	EET DEN
Total/NA	Analysis	SM 4500 CI- E		1	2 mL	2 mL	678002	12/10/24 13:29	CLP	EET DEN
Total/NA	Analysis	SM 4500 SO4 E		1	2 mL	2 mL	678112	12/11/24 11:19	CLP	EET DEN
Dissolved	Prep	Evaporation			200.00 mL	1.0 g	692607	12/09/24 08:07	MEH	EET SL
Dissolved	Analysis	900.0		1			693093	12/11/24 15:46	SCB	EET SL
Dissolved	Prep	Fill_Geo-0			1000 mL	1.0 g	696157	12/31/24 16:05	HGB	EET SL
Dissolved	Analysis	901.1		1			696540	01/02/25 21:38	SCB	EET SL

Client Sample ID: CARIBOU WELL

Date Collected: 12/04/24 11:30 Date Received: 12/04/24 16:40

	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	677553	12/06/24 07:59	AMH	EET DEN
Dissolved	Analysis	200.7 Rev 4.4		1			677832	12/07/24 08:30	ADL	EET DEN
Dissolved	Prep	200.8			50 mL	50 mL	677553	12/06/24 07:59	AMH	EET DEN
Dissolved	Analysis	200.8		1			678046	12/10/24 16:45	LMT	EET DEN
Total/NA	Analysis	300.0		1	10 mL	10 mL	677296	12/04/24 20:35	EJS	EET DEN
Total/NA	Analysis	353.2		1	100 mL	100 mL	677547	12/05/24 13:17	AKF	EET DEN
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	677451	12/05/24 08:50	BRD	EET DEN
Total/NA	Analysis	SM 4500 CI- E		1	2 mL	2 mL	678002	12/10/24 13:29	CLP	EET DEN
Total/NA	Analysis	SM 4500 SO4 E		1	2 mL	2 mL	678112	12/11/24 11:19	CLP	EET DEN
Dissolved	Prep	Evaporation			200.02 mL	1.0 g	692607	12/09/24 08:07	MEH	EET SL
Dissolved	Analysis	900.0		1			693093	12/11/24 15:46	SCB	FFT SI

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Lab Sample ID: 280-200316-5 Matrix: Water

Lab Chronicle

Client: Grand Island Resources

Project/Site: Nederland, CO - Groundwater

Client Sample ID: CARIBOU WELL Lab Sample ID: 280-200316-5 **Matrix: Water**

Date Collected: 12/04/24 11:30 Date Received: 12/04/24 16:40

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Dissolved	Prep	Fill_Geo-0			1000 mL	1.0 g	696157	12/31/24 16:05	HGB	EET SL
Dissolved	Analysis	901.1		1			696459	01/02/25 22:41	SCB	EET SL

Client Sample ID: CROSS PORTAL

Date Collecte Date Receive									Ма	trix: Water
	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Dissolved	Prep	200.8	_		50 mL	50 mL	677553	12/06/24 07:59	AMH	EET DEN
Dissolved	Analysis	200.7 Rev 4.4		1			677832	12/07/24 08:34	ADL	EET DEN
B: I I	D	000.0			50 · · · I	50 · · · I	077550	40/00/04 07 50	A B 41 1	EET DEN

Dissolved Prep 200.8 50 mL 50 mL 677553 12/06/24 07:59 AMH **EET DEN** 200.8 Dissolved 678046 12/10/24 16:47 LMT EET DEN Analysis 1 Total/NA Analysis 300.0 1 10 mL 10 mL 677296 12/04/24 21:43 EJS **EET DEN** 100 mL Total/NA Analysis 353.2 1 100 mL 677547 12/05/24 13:18 AKF EET DEN Total/NA SM 2540C 100 mL 100 mL 12/05/24 08:50 BRD Analysis 1 677451 EET DEN Total/NA Analysis SM 4500 CI- E 2 mL 2 mL 678002 12/10/24 13:29 CLP **EET DEN** 1 Total/NA Analysis SM 4500 SO4 E 2 mL 2 mL 678112 12/11/24 11:19 CLP **EET DEN** Dissolved Prep Evaporation 200.02 mL 1.0 g 692607 12/09/24 08:07 MEH EET SL Dissolved 900.0 693093 12/11/24 15:46 SCB EET SL Analysis 1 Dissolved Prep Fill Geo-0 1000 mL 1.0 g 696157 12/31/24 16:05 HGB EET SL Dissolved Analysis 901.1 696580 01/02/25 22:40 SCB EET SL 1

Client Sample ID: CROSS PORTAL 02

Date Collected: 12/04/24 12:15 Date Received: 12/04/24 16:40

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Dissolved	Prep	200.8			50 mL	50 mL	677553	12/06/24 07:59	AMH	EET DEN
Dissolved	Analysis	200.7 Rev 4.4		1			677832	12/07/24 08:38	ADL	EET DEN
Dissolved	Prep	200.8			50 mL	50 mL	677553	12/06/24 07:59	AMH	EET DEN
Dissolved	Analysis	200.8		1			678046	12/10/24 17:15	LMT	EET DEN
Dissolved	Prep	200.8			50 mL	50 mL	677553	12/06/24 07:59	AMH	EET DEN
Dissolved	Analysis	200.8		1			678242	12/11/24 17:10	LMT	EET DEN
Total/NA	Analysis	300.0		1	10 mL	10 mL	677296	12/04/24 22:28	EJS	EET DEN
Total/NA	Analysis	353.2		1	100 mL	100 mL	677547	12/05/24 13:19	AKF	EET DEN
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	677451	12/05/24 08:50	BRD	EET DEN
Total/NA	Analysis	SM 4500 CI- E		1	2 mL	2 mL	678002	12/10/24 13:29	CLP	EET DEN
Total/NA	Analysis	SM 4500 SO4 E		1	2 mL	2 mL	678112	12/11/24 11:20	CLP	EET DEN
Dissolved	Prep	Evaporation			200.01 mL	1.0 g	692607	12/09/24 08:07	MEH	EET SL
Dissolved	Analysis	900.0		1			693093	12/11/24 15:45	SCB	EET SL
Dissolved	Prep	Fill_Geo-0			1000 mL	1.0 g	696157	12/31/24 16:05	HGB	EET SL
Dissolved	Analysis	901.1		1			696540	01/02/25 22:41	SCB	EET SL

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Job ID: 280-200316-1

Lab Sample ID: 280-200316-6

Lab Sample ID: 280-200316-7

Matrix: Water

Lab Chronicle

Client: Grand Island Resources

Project/Site: Nederland, CO - Groundwater

Client Sample ID: CARIBOU PORTAL Lab Sample ID: 280-200316-8

Date Collected: 12/04/24 11:15

Date Received: 12/04/24 16:40

Matrix: Water

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Dissolved	Prep	200.7			50 mL	50 mL	677553	12/06/24 07:59	AMH	EET DEN
Dissolved	Analysis	200.7 Rev 4.4		1			677832	12/07/24 08:41	ADL	EET DEN
Dissolved	Prep	200.8			50 mL	50 mL	677553	12/06/24 07:59	AMH	EET DEN
Dissolved	Analysis	200.8		1			678046	12/10/24 17:17	LMT	EET DEN
Dissolved	Prep	200.8			50 mL	50 mL	677553	12/06/24 07:59	AMH	EET DEN
Dissolved	Analysis	200.8		1			678242	12/11/24 17:12	LMT	EET DEN
Total/NA	Analysis	300.0		1	10 mL	10 mL	677296	12/04/24 20:12	EJS	EET DEN
Total/NA	Analysis	353.2		1	100 mL	100 mL	677547	12/05/24 13:20	AKF	EET DEN
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	677600	12/06/24 09:00	BRD	EET DEN
Total/NA	Analysis	SM 4500 CI- E		1	2 mL	2 mL	678965	12/18/24 10:52	CLP	EET DEN
Total/NA	Analysis	SM 4500 SO4 E		1	2 mL	2 mL	678112	12/11/24 11:20	CLP	EET DEN
Dissolved	Prep	Evaporation			200.02 mL	1.0 g	692607	12/09/24 08:07	MEH	EET SL
Dissolved	Analysis	900.0		1			693092	12/11/24 15:57	SCB	EET SL
Dissolved	Prep	Fill_Geo-0			1000 mL	1.0 g	696157	12/31/24 16:05	HGB	EET SL
Dissolved	Analysis	901.1		1			696720	01/03/25 01:32	SCB	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

Job ID: 280-200316-1

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Accreditation/Certification Summary

Client: Grand Island Resources

Project/Site: Nederland, CO - Groundwater

Job ID: 280-200316-1

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	12-31-24
A2LA	ISO/IEC 17025	2907.01	12-31-24
Alabama	State Program	40730	09-30-12 *
Alaska (UST)	State	18-001	11-30-25
Arizona	State	AZ0713	12-19-24
Arkansas DEQ	State	19-047-0	04-21-25
California	State	2513	01-08-25
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	E87667-57	06-30-25
Georgia	State	4025-011	01-08-25
Illinois	NELAP	2000172024-9	05-31-25
lowa	State	370	12-01-26
Kansas	NELAP	E-10166	04-30-25
Kentucky (WW)	State	KY98047	12-31-24
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	08-31-24 *
Oregon	NELAP	4025	01-08-25
Pennsylvania	NELAP	013	07-31-25
South Carolina	State	72002001	01-08-24 *
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	12-31-24

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	04-08-25
ANAB	ISO/IEC 17025	L2305	04-06-25
Arizona	State	AZ0813	12-08-25
California	Los Angeles County Sanitation Districts	10259	06-30-22 *

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

Accreditation/Certification Summary

Client: Grand Island Resources

Project/Site: Nederland, CO - Groundwater

Job ID: 280-200316-1

Laboratory: Eurofins St. Louis (Continued)

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

Authority	Program	Identification Number	Expiration Date
California	State	2886	06-30-25
Connecticut	State	PH-0241	03-31-25
Florida	NELAP	E87689	06-30-25
HI - RadChem Recognition	State	n/a	06-30-25
Illinois	NELAP	200023	11-30-25
lowa	State	373	12-01-26
Kansas	NELAP	E-10236	10-31-25
Kentucky (WW)	State	KY90125 (Permit KY0004049)	12-31-25
Louisiana	NELAP	04080	06-30-22 *
Louisiana (All)	NELAP	04080	06-30-25
Louisiana (DW)	State	LA011	12-31-25
Maryland	State	310	09-30-25
Massachusetts	State	M-MO054	06-30-25
MI - RadChem Recognition	State	9005	06-30-25
Missouri	State	780	06-30-25
Nevada	State	MO00054	07-31-25
New Jersey	NELAP	MO002	06-30-25
New Mexico	State	MO00054	06-30-25
New York	NELAP	11616	03-31-25
North Carolina (DW)	State	29700	07-31-25
North Dakota	State	R-207	06-30-24 *
Oklahoma	NELAP	9997	12-31-24 *
Oregon	NELAP	4157	09-01-25
Pennsylvania	NELAP	68-00540	02-28-25
South Carolina	State	85002001	06-30-25
Texas	NELAP	T104704193	07-31-25
US Fish & Wildlife	US Federal Programs	058448	07-31-25
USDA	US Federal Programs	P330-17-00028	05-18-26
Utah	NELAP	MO00054	07-31-25
Virginia	NELAP	460230	06-14-25
Washington	State	C592	08-30-25
West Virginia DEP	State	381	10-31-25

 $^{^{\}star} \ \text{Accreditation/Certification renewal pending - accreditation/certification considered valid}.$

Eurofins TestAmerica, Denver			,	,							eurofins	
4955 Yarrow Street Arvada, CO 800002	O	Chain o	f Cust	in of Custody Record	ecord							America
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Client Information	E E			Bieni	Bieniulis, Dylan	<u> </u>					. 0	
Client Contact: Brooke Molson Moran	Phone: 303-	506-1	8/8	E-iviali Dylar	.Bieniulis	E-Mall: Dylan.Bieniulis@et.eurofinsus.co <u>m</u>	isus.com	-	,			
Company: Grand Island Resources		ů.	WSID:				Analysis	is Requested			Job #:	
Address: 12567 West Cedar Road Suite 250	Due Date Requested:											es: M - Hexane
City Lakewood	TAT Requested (days):	:(s)			(teil tin	pus 'əp		una) (na			B - NaOH C - Zn Acetate	N - None O - AsNaO2
State, Zip: (CO, 80466	Compliance Project:	∆ Yes	oN △		n199 19	Chloric		LIIGH				P - Na2O4S Q - Na2SO3 R - Na2S2O3
Phone: 315-414-6986	PO#: Not required					o- ⊒_io		DIALL)				S - H2SO4 T - TSP Dodecahydrate
Email: bmolsonm@g.emporia.edu	WO #:				(oN	0-005tl		SOIL +				U - Acetone V - MCAA W - PH 4-5
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		Sample		Matrix (w=water, S=solid, O=waste/oil,	ield Filtered M/SM myora9 M/SM	Field Filtered) :M4500_SO4_E 00.0 Nitrate 53.2 - Nitrate/N	540C - TDS O0.0 - Gross A estAmerica St	Price SeinemAtse		Total Number	ri leisados	Snecial Instructions/Note:
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COMPLIANCE DY	=	13:30	B	3	. ×	×	×	· ×		Q	1	o, Mn, Mo, U, Zn)
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ssted: I, II, III, IV, Other (specify)					Specia	al Instructio	ns/QC Re	quirements:				
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Relinquished by: Relinquished by:	Date/Time:	24/19	A	Company	- R	Received by: Received by:	1	1	Date/Time:	h2-h	0,10,10	Company
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						1						Ver: U1/16/2019

Ver: 10/10/2024

seurofins | Environment Testing 4955 Yarrow Street Arvada, CO 80002 Phone: 303-736-0100 Fax: 303-431-7171

Chain of Custody Record

Olione Informacion (Act Parent Onterpret 1 at)	Sampler:			Lab PM: Rianiulis Dylan T	2			Carrier Tracking No(s)	No(s):	COC No:	
	Phone:			E-Mail	b, Dyia	-		State of Origin		260-726830.1	
Shipping/Receiving	N/A			Dylan.E	ieniuli	s@et.	Dylan Bieniulis@et.eurofinsus.com	Colorado		Page 1 of 1	
Company: TestAmerica Laboratories, Inc.				Accre N/A	reditatio A	ons Rec	Accreditations Required (See note): N/A			Job #: 280-200316-1	
Address. 13715 Rider Trail North,	Due Date Requested 1/6/2025	:pe					Analysis Re	Requested		Preservation Codes:	des:
City. Earth City State Zio:	TAT Requested (days):	ays): N/A			A)						
MO, 63045	# (0			The state of	BEN STEEL					24	
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	N/A			*(0							
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Project Name: Nederland, CO - Groundwater	Project #: 28025589			sə,J) ə	1 10 28					nənist	
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Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyse & accreditation compliance upon our subcontract laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins TestAmerica.	s places the ownership being analyzed, the sa late, return the signed	of method, and imples must be Chain of Custo	ilyte & accredita shipped back to dy attesting to s	ition compliance the Eurofins Tee aid compliance t	Jpon our America Eurofin	subco a labora s Test/	ntract laboratories. This san story or other instructions will America.	nple shipment is for be provided. Any	warded under cha	ain-of-custody. If the labor	atory does not currently ought to Eurofins
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Ver: 10/10/2024

🔅 eurofins

Environment Testing

Chain of Custody Record

Arvada, CO 80002 Phone: 303-736-0100 Fax: 303-431-7171

Eurofins Denver 4955 Yarrow Street

	Sampler			Lab PM	Σ					Carr	Carrier Tracking Mofel	No/or		(A)		
Client Information (Sub Contract Lab)	N/A			Bier	Bieniulis, Dylan T	ylan T				V/N		(2)21.6		280-7	280-726830 1	
Client Contact:	Phone			E-Mail						Ctat	State of Origin				- 2000	
Shipping/Receiving	N/A			Dyla	n.Bien	ulis@e	Dylan.Bieniulis@et.eurofinsus.com	nsus.co	Ε	S	Colorado			Page.	10,1	
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TestAmerica Laboratories, Inc.					ΑX		2	200						300 #	4 970	
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13715 Rider Trail North,	1/6/2025	i						Ana	Analysis Requested	Segue	sted			Preser	Preservation Codes:	
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COMPLIANCE 03 (280-200316-4)	12/4/24	13:30 Mountain	O	Water		×	×			-				2		
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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 cummanian accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation subjects to the provided above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation and the samples must be shipped back to the Eurofins.	a places the ownership being analyzed, the san	of method, an	alyte & accredii shipped back t	ation compliar to the Eurofins	ce upon FestAme	our subcrica labo	contract is	iboratorie other inst	s. This sa uctions w	imple ship	oment is for	orwarded changes	under chain	of-custody	method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently es must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any channes to accreditation status should be provined in a Eurofine	rrently

instructions will be provided. Any changes to accreditation status should be brought to Eurofins Infament accretional in the cours of origin takes above for analysts/rests/matrix being analyses must be shipped back to the Eurotins TestAmerica laboratory or other TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins TestAmerica. Possible Hazard Identification

Unconfirmed Deliverable Requested 1, II, III, IV. Other (specify) Primary Deliverable Rank: 2 Special Instructions/QC Requirements: Archive For Months Months Empty Kit Relinquished by: Empty Kit Relinquished by: ITime: ITime: Archive For Months Months Relinquished by: Date: Company Received by: Cheyenne Forrest In Steffing Company Relinquished by: Date: Company Cheyenne Forrest Date: Company Relinquished by: Date: Company Cheyenne Forrest Date: Company Relinquished by: Custody Seals Intact: Custody Seals Intact: Custody Seals Intact: Cooler Temperature(s) °C and Other Remarks: Cooler Temperature(s) °C and Other Remarks: Company	Possible Hazard Identification			sample Disposal (A fee may be assesse	ed if samples are retained longer than	4 month
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	Custody Seals Intact: Custody Seal No.:			Cooler Temperature(s) °C and Other Remarks:		

Login Sample Receipt Checklist

Client: Grand Island Resources Job Number: 280-200316-1

Login Number: 200316 List Source: Eurofins Denver

List Number: 1

Creator: Rystrom, Joshua R

Question	Answer	Comment
Radioactivity wasn't checked or is = background as measured by a survey neter.</td <td>True</td> <td></td>	True	
ne 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 ampered 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	
s the Field Sampler's name present on COC?	True	
here 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	
ample 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 //S/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is 6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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Login Sample Receipt Checklist

Client: Grand Island Resources Job Number: 280-200316-1

Login Number: 200316
List Source: Eurofins St. Louis
List Number: 2
List Creation: 12/06/24 02:39 PM

Creator: Forrest, Cheyenne L

Answer	Comment
True	
True	
True	
True	
N/A	
True	
N/A	
True	
N/A	
True	
True	
N/A	
	True True True True N/A True True True True True True True True

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APPENDIX B OUTFALL-001 ANALYTICAL RESULTS

APPENDIX B.1 OCTOBER 2024 OUTFALL-001 ANALYTICAL RESULTS

ANALYTICAL REPORT

PREPARED FOR

Attn: Brooke Molson Moran Grand Island Resources 12567 West Cedar Road Suite 110 Lakewood, Colorado 80228 Generated 10/24/2024 4:49:01 PM

JOB DESCRIPTION

Nederland, CO

JOB NUMBER

280-197939-1

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

Generated 10/24/2024 4:49:01 PM

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

13

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Definitions	4
Case Narrative	5
Detection Summary	7
Method Summary	8
Sample Summary	9
Client Sample Results	10
QC Sample Results	12
QC Association	17
Chronicle	20
Certification Summary	21
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Receipt Chacklists	25

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Definitions/Glossary

Client: Grand Island Resources

Job ID: 280-197939-1

Project/Site: Nederland, CO

Qualifiers

Metals

 Qualifier
 Qualifier Description

 ^+
 Continuing Calibration Verification (CCV) is outside acceptance limits, high biased.

B Compound was found in the blank and sample.

J Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier Qualifier Description

HF Parameter with a holding time of 15 minutes. Test performed by laboratory at client's request. Sample was analyzed outside of hold time.

Glossary

Abbreviation These commonly used abbreviations may or may not be present in this report.

Listed under the "D" column to designate that the result is reported on a dry weight basis

%R Percent Recovery
CFL Contains Free Liquid
CFU Colony Forming Unit
CNF Contains No Free Liquid

DER Duplicate Error Ratio (normalized absolute difference)

Dil Fac Dilution Factor

DL Detection Limit (DoD/DOE)

DL, RA, RE, IN Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample

DLC Decision Level Concentration (Radiochemistry)

EDL Estimated Detection Limit (Dioxin)

LOD Limit of Detection (DoD/DOE)

LOQ Limit of Quantitation (DoD/DOE)

MCL EPA recommended "Maximum Contaminant Level"

MDA Minimum Detectable Activity (Radiochemistry)

MDC Minimum Detectable Concentration (Radiochemistry)

MDL Method Detection Limit
ML Minimum Level (Dioxin)
MPN Most Probable Number
MQL Method Quantitation Limit

NC Not Calculated

ND Not Detected at the reporting limit (or MDL or EDL if shown)

NEG Negative / Absent
POS Positive / Present

PQL Practical Quantitation Limit

PRES Presumptive
QC Quality Control

RER Relative Error Ratio (Radiochemistry)

RL Reporting Limit or Requested Limit (Radiochemistry)

RPD Relative Percent Difference, a measure of the relative difference between two points

TEF Toxicity Equivalent Factor (Dioxin)
TEQ Toxicity Equivalent Quotient (Dioxin)

TNTC Too Numerous To Count

Eurofins Denver

10/24/2024

Page 4 of 26

Case Narrative

Client: Grand Island Resources

Project: Nederland, CO

Job ID: 280-197939-1 Eurofins Denver

Job Narrative 280-197939-1

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 10/11/2024 3:42 PM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.0°C.

Receipt Exceptions

One out of the two sets of the Mercury Kits were received in improper packaging for OUTFALL-001 (280-197939-1). The properly packaged containers were used for analysis.

The laboratory did not log the SM3500 CR B Total Hexavalent Chromium analysis requested for OUTFALL-001 (280-196277-1). Per a recent update to the laboratory's SOP all samples collected for hexavalent chromium analysis by SM3500 CR B undergo laboratory filtration to remove undissolved solids from the sample volume. The method does not digest solids in the sample volume prior to analysis. The laboratory will use the lab filtered hexavalent chromium analysis result from the sample to complete the Total Recoverable Trivalent Chromium calculated result.

Method 1631E - Mercury, Low Level (CVAFS)

Sample OUTFALL-001 (280-197939-1) was analyzed for Mercury, Low Level (CVAFS). The sample was prepared on 10/16/2024 and analyzed on 10/24/2024.

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

Sample OUTFALL-001 (280-197939-1) was analyzed for Metals (ICP) - Total Recoverable. The sample was prepared on 10/14/2024 and analyzed on 10/22/2024.

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

Sample OUTFALL-001 (280-197939-1) was analyzed for Metals (ICP/MS) - Potentially Dissolved. The sample was prepared on 10/16/2024 and analyzed on 10/17/2024.

The continuing calibration verification (CCV) associated with batch 280-671364 recovered above the upper control limit for Zinc. The samples associated with this CCV were within limits (MB/LCS) for the affected analytes; therefore, the data have been reported. The associated samples are impacted: (CCV 280-671364/79), (LCS 280-670976/2-C) and (MB 280-670976/1-B).

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

Eurofins Denver

Job ID: 280-197939-1

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Case Narrative

Client: Grand Island Resources

Project: Nederland, CO

Job ID: 280-197939-1 (Continued)

Eurofins Denver

Job ID: 280-197939-1

Sample OUTFALL-001 (280-197939-1) was analyzed for Metals (ICP/MS) - Total Recoverable. The sample was prepared and analyzed on 10/14/2024.

Method 245.1 - Mercury (CVAA)

Sample OUTFALL-001 (280-197939-1) was analyzed for Mercury (CVAA). The sample was prepared on 10/17/2024 and analyzed on 10/18/2024.

Method SM 2510B - Conductivity, Specific Conductance

Sample OUTFALL-001 (280-197939-1) was analyzed for Conductivity, Specific Conductance. The sample was analyzed on 10/14/2024.

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

Sample OUTFALL-001 (280-197939-1) was analyzed for Solids, Total Suspended (TSS). The sample was analyzed on 10/14/2024 and 10/17/2024.

Method SM 3500 CR B - Chromium, Hexavalent - Dissolved

Sample OUTFALL-001 (280-197939-1) was analyzed for Chromium, Hexavalent - Dissolved. The sample was analyzed on 10/11/2024 and 10/14/2024.

Method SM3500 CR B - Chromium, Trivalent - Potentially Dissolved

Sample OUTFALL-001 (280-197939-1) was analyzed for Chromium, Trivalent - Potentially Dissolved. The sample was analyzed on 10/21/2024.

Method SM3500 CR B - Chromium, Trivalent - Total Recoverable

Sample OUTFALL-001 (280-197939-1) was analyzed for Chromium, Trivalent - Total Recoverable. The sample was analyzed on 10/21/2024.

Method SM 4500 H+ B - pH

Sample OUTFALL-001 (280-197939-1) was analyzed for pH. The sample was analyzed on 10/14/2024.

Method SM 4500 S2 D - Sulfide, Total

Sample OUTFALL-001 (280-197939-1) was analyzed for Sulfide, Total. The sample was analyzed on 10/14/2024.

Method SM4500 S2 H - Unionized Hydrogen Sulfide

Sample OUTFALL-001 (280-197939-1) was analyzed for Unionized Hydrogen Sulfide. The sample was analyzed on 10/15/2024.

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10/24/2024

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Detection Summary

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

Client Sample ID: OUTFALL-001

Job ID: 280-197939-1

Lab Sample ID: 280-197939-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac I) Method	Prep Type
Mercury	4.1		0.50	0.20	ng/L	1	1631E	Total/NA
Iron	26	J	100	9.1	ug/L	1	200.7 Rev 4.4	Total
								Recoverable
Copper	2.6		2.0	0.71	ug/L	1	200.8	Total
								Recoverable
Lead	1.5		1.0	0.23	ug/L	1	200.8	Total
								Recoverable
Zinc	18	В	10	2.0	ug/L	1	200.8	Total
								Recoverable
Copper	3.1		2.0	0.71	ug/L	1	200.8	Potentially
								Dissolved
Lead	1.5		1.0	0.23	ug/L	1	200.8	Potentially
								Dissolved
Manganese	1.1	JB	3.0	0.51	ug/L	1	200.8	Potentially
								Dissolved
Zinc	23		10	2.0	ug/L	1	200.8	Potentially
								Dissolved
Specific Conductance	220		2.0	2.0	umhos/cm	1	SM 2510B	Total/NA
pH adj. to 25 deg C	7.9	HF	0.1	0.1	SU	1	SM 4500 H+ B	Total/NA
Temperature	18.6	HF	1.0	1.0	Degrees C	1	SM 4500 H+ B	Total/NA
Field pH	7.9		1.0	1.0	SU	1	SM4500 S2 H	Total/NA
Field Temperature	19		1.0	1.0	Celsius	1	SM4500 S2 H	Total/NA
Specific Conductance	220		2.0	2.0	umhos/cm	1	SM4500 S2 H	Total/NA

This Detection Summary does not include radiochemical test results.

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Method Summary

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

Job ID: 280-197939-1

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

Protocol References:

EPA = US Environmental Protection Agency

None = None

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

Laboratory References:

EET DEN = Eurofins Denver, 4955 Yarrow Street, Arvada, CO 80002, TEL (303)736-0100 EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

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Sample Summary

Client: Grand Island Resources Project/Site: Nederland, CO Job ID: 280-197939-1

 Lab Sample ID
 Client Sample ID
 Matrix
 Collected
 Received

 280-197939-1
 OUTFALL-001
 Water
 10/11/24 13:00
 10/11/24 15:42

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Client Sample Results

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

Job ID: 280-197939-1

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

Client Sample ID: OUTFALL-001 Lab Sample ID: 280-197939-1 Date Collected: 10/11/24 13:00 **Matrix: Water**

Date Received: 10/11/24 15:42

Analyte Result Qualifier RL **MDL** Unit D Prepared Analyzed Dil Fac 0.50 Mercury 0.20 ng/L 10/16/24 14:30 10/24/24 10:46 4.1

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

Client Sample ID: OUTFALL-001 Lab Sample ID: 280-197939-1 Date Collected: 10/11/24 13:00 **Matrix: Water**

Date Received: 10/11/24 15:42

Analyte Result Qualifier RL **MDL** Unit **Prepared** Analyzed Dil Fac 100 9.1 ug/L 10/14/24 08:40 10/22/24 00:43 Iron 26 J

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

Client Sample ID: OUTFALL-001 Lab Sample ID: 280-197939-1 Date Collected: 10/11/24 13:00 **Matrix: Water**

Date Received: 10/11/24 15:42

Analyte Result Qualifier Dil Fac RL MDL Unit Prepared Analyzed Arsenic $\overline{\mathsf{ND}}$ 5.0 10/14/24 08:40 10/14/24 21:11 0.50 ug/L Cadmium ND 1.0 10/14/24 08:40 10/14/24 21:11 0.19 ug/L Chromium ND 3.0 0.50 ug/L 10/14/24 08:40 10/14/24 21:11 2.6 20 0.71 ug/L 10/14/24 08:40 10/14/24 21:11 Copper Lead 1.5 1.0 0.23 ug/L 10/14/24 08:40 10/14/24 21:11 **Zinc** 18 B 10 2.0 ug/L 10/14/24 08:40 10/14/24 21:11

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

Client Sample ID: OUTFALL-001 Lab Sample ID: 280-197939-1 Date Collected: 10/11/24 13:00 **Matrix: Water**

Date Received: 10/11/2 Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		5.0	0.50	ug/L		10/16/24 08:10	10/17/24 04:06	1
Cadmium	ND		1.0	0.19	ug/L		10/16/24 08:10	10/17/24 04:06	1
Chromium	ND		3.0	0.50	ug/L		10/16/24 08:10	10/17/24 04:06	1
Copper	3.1		2.0	0.71	ug/L		10/16/24 08:10	10/17/24 04:06	1
Lead	1.5		1.0	0.23	ug/L		10/16/24 08:10	10/17/24 04:06	1
Manganese	1.1	JB	3.0	0.51	ug/L		10/16/24 08:10	10/17/24 14:15	1
Nickel	ND		3.0	0.83	ug/L		10/16/24 08:10	10/17/24 04:06	1
Selenium	ND		5.0	1.0	ug/L		10/16/24 08:10	10/17/24 04:06	1
Silver	ND		0.50	0.045	ug/L		10/16/24 08:10	10/17/24 04:06	1
Zinc	23		10	2.0	ug/L		10/16/24 08:10	10/17/24 04:06	1

Method: EPA 245.1 - Mercury (CVAA)

Client Sample ID: OUTFALL-001 Lab Sample ID: 280-197939-1 **Matrix: Water**

Date Collected: 10/11/24 13:00 Date Received: 10/11/24 15:42

Analyte Result Qualifier RL MDL Unit Prepared Dil Fac Analyzed Mercury ND 0.20 0.061 ug/L 10/17/24 16:25 10/18/24 02:40

Client Sample Results

Client: Grand Island Resources Job ID: 280-197939-1 Project/Site: Nederland, CO

General Chemistry

Client Sample ID: OUTFALL-001 Lab Sample ID: 280-197939-1

Date Collected: 10/11/24 13:00

Date Received: 10/11/24 15:42 Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (SM 2510B)	220		2.0	2.0	umhos/cm		-	10/14/24 13:47	1
Total Suspended Solids (SM 2540D)	ND		4.0	1.1	mg/L			10/17/24 15:28	1
pH adj. to 25 deg C (SM 4500 H+ B)	7.9	HF	0.1	0.1	SU			10/14/24 14:05	1
Temperature (SM 4500 H+ B)	18.6	HF	1.0	1.0	Degrees C			10/14/24 14:05	1
Sulfide (SM 4500 S2 D)	ND		0.050	0.022	mg/L			10/14/24 15:28	1
Un-ionized Hydrogen Sulfide (SM4500 S2 H)	ND		1.0	1.0	mg/L			10/15/24 00:23	1
Field pH (SM4500 S2 H)	7.9		1.0	1.0	SU			10/15/24 00:23	1
Field Temperature (SM4500 S2 H)	19		1.0	1.0	Celsius			10/15/24 00:23	1
Specific Conductance (SM4500 S2 H)	220		2.0	2.0	umhos/cm			10/15/24 00:23	1
Sulfide (SM4500 S2 H)	ND		1.0	1.0	mg/L			10/15/24 00:23	1

General Chemistry - Total Recoverable

Client Sample ID: OUTFALL-001 Lab Sample ID: 280-197939-1 Date Collected: 10/11/24 13:00 **Matrix: Water**

Date Received: 10/11/24 15:42

Analyte Result Qualifier RL **MDL** Unit D Prepared Analyzed Dil Fac Chromium, trivalent (SM3500 CR B) ND 20 20 ug/L 10/21/24 13:46

General Chemistry - Dissolved

Client Sample ID: OUTFALL-001 Lab Sample ID: 280-197939-1 Date Collected: 10/11/24 13:00 **Matrix: Water**

Date Received: 10/11/24 15:42

Analyte RL **MDL** Unit Result Qualifier D **Prepared** Analyzed Dil Fac Chromium, hexavalent (SM 3500 CR 20 ND 4.0 ug/L 10/11/24 17:29

General Chemistry - Potentially Dissolved

Lab Sample ID: 280-197939-1 Client Sample ID: OUTFALL-001 **Matrix: Water**

Date Collected: 10/11/24 13:00

Date Received: 10/11/24 15:42

Analyte Result Qualifier RL **MDL** Unit D Prepared Analyzed Dil Fac 20 10/21/24 13:46 ND 20 ug/L Chromium, trivalent (dissolved)

(SM3500 CR B)

Matrix: Water

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

Job ID: 280-197939-1

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

Lab Sample ID: MB 400-688987/3-A

Matrix: Water

Analysis Batch: 689047

Prep Type: Total/NA

Prep Batch: 688987

Client Sample ID: Method Blank

MB MB

Result Qualifier RL **MDL** Unit Analyzed Dil Fac Analyte Prepared 0.50 Mercury ND 0.20 ng/L 10/23/24 16:00 10/24/24 09:52

Lab Sample ID: LCS 400-688987/4-A **Client Sample ID: Lab Control Sample Matrix: Water** Prep Type: Total/NA **Prep Batch: 688987**

Analysis Batch: 689047 Spike LCS LCS %Rec

Added Result Qualifier D %Rec Limits Analyte Unit 5.00 79 - 121 Mercury 5.11 ng/L 102

Lab Sample ID: LCSD 400-688987/5-A Client Sample ID: Lab Control Sample Dup

Matrix: Water Prep Type: Total/NA **Analysis Batch: 689047 Prep Batch: 688987**

Spike LCSD LCSD %Rec **RPD** Added Result Qualifier Limits RPD Analyte Unit %Rec Limit Mercury 5.00 5.03 101 79 - 121 2 20 ng/L

Method: 200.7 Rev 4.4 - Metals (ICP)

Lab Sample ID: MB 280-670768/1-A

Matrix: Water

Analysis Batch: 671931

Client Sample ID: Method Blank **Prep Type: Total Recoverable**

Prep Batch: 670768

MB MB

Analyte Result Qualifier RL MDL Unit Prepared Analyzed Dil Fac $\overline{\mathsf{ND}}$ 100 9.1 ug/L 10/14/24 08:40 10/22/24 00:00 Iron

Lab Sample ID: LCS 280-670768/2-A

Matrix: Water

Analysis Batch: 671931

Prep Type: Total Recoverable Prep Batch: 670768 LCS LCS Spike %Rec

Analyte Added Result Qualifier Unit Limits Iron 10000 10500 ug/L 105 85 - 115

Lab Sample ID: LCSD 280-670768/3-A

Matrix: Water

Analysis Batch: 671931

Client Sample ID: Lab Control Sample Dup **Prep Type: Total Recoverable**

Client Sample ID: Lab Control Sample

Prep Batch: 670768

Spike LCSD LCSD %Rec **RPD** Added RPD Analyte Result Qualifier Unit %Rec Limits Limit 10000 10700 20 Iron 107 85 - 115 ug/L

Method: 200.8 - Metals (ICP/MS)

Lab Sample ID: MB 280-670768/1-A

Matrix: Water

Analysis Batch: 671003

Client Sample ID: Method Blank **Prep Type: Total Recoverable** Prep Batch: 670768

MB MB Analyte Result Qualifier RL MDL Unit Prepared Analyzed Arsenic 5.0 ND 0.50 ug/L 10/14/24 08:40 10/14/24 21:06 Cadmium ND 1.0 0.19 ug/L 10/14/24 08:40 10/14/24 21:06 ND Chromium 3.0 0.50 ug/L 10/14/24 08:40 10/14/24 21:06 ND Copper 2.0 0.71 ug/L 10/14/24 08:40 10/14/24 21:06

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Client: Grand Island Resources Job ID: 280-197939-1

Project/Site: Nederland, CO

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

Lab Sample ID: MB 280-670768/1-A

Matrix: Water

Analysis Batch: 671003

Client Sample ID: Method Blank **Prep Type: Total Recoverable**

Prep Batch: 670768

MB MB

Analyte	Result Qualifi	er RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND	1.0	0.23	ug/L		10/14/24 08:40	10/14/24 21:06	1
Zinc	2.05 J	10	2.0	ug/L		10/14/24 08:40	10/14/24 21:06	1

Lab Sample ID: LCS 280-670768/25-A **Client Sample ID: Lab Control Sample Matrix: Water Prep Type: Total Recoverable**

Analysis Batch: 671003 Prep Batch: 670768

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Arsenic	40.0	37.3		ug/L		93	89 - 111	
Cadmium	40.0	38.1		ug/L		95	89 - 111	
Chromium	40.0	38.5		ug/L		96	86 - 115	
Copper	40.0	39.9		ug/L		100	90 - 115	
Lead	40.0	39.3		ug/L		98	88 - 115	
Zinc	40.0	39.9		ug/L		100	88 - 115	
	Arsenic Cadmium Chromium Copper Lead	Analyte Added Arsenic 40.0 Cadmium 40.0 Chromium 40.0 Copper 40.0 Lead 40.0	Analyte Added Result Arsenic 40.0 37.3 Cadmium 40.0 38.1 Chromium 40.0 38.5 Copper 40.0 39.9 Lead 40.0 39.3	Analyte Added Result Qualifier Arsenic 40.0 37.3 Cadmium 40.0 38.1 Chromium 40.0 38.5 Copper 40.0 39.9 Lead 40.0 39.3	Analyte Added Result qualifier Unit Arsenic 40.0 37.3 ug/L Cadmium 40.0 38.1 ug/L Chromium 40.0 38.5 ug/L Copper 40.0 39.9 ug/L Lead 40.0 39.3 ug/L	Analyte Added Result qualifier Unit ug/L D Arsenic 40.0 37.3 ug/L ug/L Cadmium 40.0 38.1 ug/L ug/L Chromium 40.0 38.5 ug/L Copper 40.0 39.9 ug/L Lead 40.0 39.3 ug/L	Analyte Added Result Qualifier Unit D %Rec Arsenic 40.0 37.3 ug/L 93 Cadmium 40.0 38.1 ug/L 95 Chromium 40.0 38.5 ug/L 96 Copper 40.0 39.9 ug/L 100 Lead 40.0 39.3 ug/L 98	Analyte Added Result Qualifier Unit D %Rec Limits Arsenic 40.0 37.3 ug/L 93 89-111 Cadmium 40.0 38.1 ug/L 95 89-111 Chromium 40.0 38.5 ug/L 96 86-115 Copper 40.0 39.9 ug/L 100 90-115 Lead 40.0 39.3 ug/L 98 88-115

Lab Sample ID: MB 280-670976/1-B

Matrix: Water

Analysis Batch: 671364

Client Sample ID: Method Blank Prep Type: Potentially Dissolved

Prep Batch: 670979

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		5.0	0.50	ug/L		10/16/24 08:10	10/17/24 02:29	1
Cadmium	ND		1.0	0.19	ug/L		10/16/24 08:10	10/17/24 02:29	1
Chromium	ND		3.0	0.50	ug/L		10/16/24 08:10	10/17/24 02:29	1
Copper	ND		2.0	0.71	ug/L		10/16/24 08:10	10/17/24 02:29	1
Lead	ND		1.0	0.23	ug/L		10/16/24 08:10	10/17/24 02:29	1
Manganese	0.607	J	3.0	0.51	ug/L		10/16/24 08:10	10/17/24 02:29	1
Nickel	ND		3.0	0.83	ug/L		10/16/24 08:10	10/17/24 02:29	1
Selenium	ND		5.0	1.0	ug/L		10/16/24 08:10	10/17/24 02:29	1
Silver	ND		0.50	0.045	ug/L		10/16/24 08:10	10/17/24 02:29	1
Zinc	ND	^+	10	2.0	ug/L		10/16/24 08:10	10/17/24 02:29	1

Lab Sample ID: LCS 280-670976/2-C

Matrix: Water

Analysis Ratch: 671364

Client Sample ID: Lab Control Sample Prep Type: Potentially Dissolved Prep Batch: 670979

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	Spike	LCS	LCS				%Rec
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits
Arsenic	40.0	40.7		ug/L		102	89 - 111
Cadmium	40.0	40.7		ug/L		102	89 - 111
Chromium	40.0	40.6		ug/L		102	86 - 115
Copper	40.0	41.9		ug/L		105	90 - 115
Lead	40.0	40.3		ug/L		101	88 - 115
Manganese	40.0	40.4		ug/L		101	87 - 115
Nickel	40.0	42.2		ug/L		105	86 - 115
Selenium	40.0	41.2		ug/L		103	85 - 114
Silver	40.0	41.2		ug/L		103	90 - 114

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Client: Grand Island Resources Job ID: 280-197939-1

Project/Site: Nederland, CO

Method: 245.1 - Mercury (CVAA)

Lab Sample ID: MB 280-671342/1-A Client Sample ID: Method Blank

Matrix: Water

Analysis Batch: 671670

MB MB

Result Qualifier RL **MDL** Unit Analyzed Dil Fac Analyte Prepared 0.20 10/17/24 16:25 10/18/24 01:56 Mercury ND 0.061 ug/L

Lab Sample ID: LCS 280-671342/2-A **Client Sample ID: Lab Control Sample Matrix: Water** Prep Type: Total/NA

Analysis Batch: 671670

Prep Batch: 671342 Spike LCS LCS %Rec

Added Result Qualifier D %Rec Limits Analyte Unit 5.00 90 - 110 Mercury 5.22 ug/L 104

Method: SM 2510B - Conductivity, Specific Conductance

Lab Sample ID: MB 280-670927/4 Client Sample ID: Method Blank **Prep Type: Total/NA**

Matrix: Water

Analysis Batch: 670927

MB MB

Result Qualifier RL **MDL** Unit Dil Fac Analyte Prepared Analyzed Specific Conductance ND 2.0 2.0 umhos/cm 10/14/24 13:47

Lab Sample ID: LCS 280-670927/3 **Client Sample ID: Lab Control Sample Prep Type: Total/NA**

Matrix: Water

Analysis Batch: 670927

Spike LCS LCS %Rec Analyte Added Result Qualifier Unit %Rec Limits Specific Conductance 1410 1430 umhos/cm 102 90 - 110

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

Lab Sample ID: MB 280-671480/1 Client Sample ID: Method Blank Prep Type: Total/NA

Matrix: Water

Analysis Batch: 671480

MB MB

Analyte Result Qualifier RL MDL Unit Prepared Analyzed Dil Fac Total Suspended Solids ND 4.0 1.1 mg/L 10/17/24 15:28

Lab Sample ID: LCS 280-671480/2

Matrix: Water

Analysis Batch: 671480

Spike LCS LCS %Rec Added Result Qualifier Unit %Rec Limits Total Suspended Solids 446 mg/L 79 - 114

Method: SM 3500 CR B - Chromium, Hexavalent

Lab Sample ID: MB 280-670760/3-A Client Sample ID: Method Blank **Prep Type: Dissolved**

Matrix: Water

Analysis Batch: 670762

MB MB Result Qualifier RL **MDL** Unit Prepared Analyzed Dil Fac Chromium, hexavalent ND 20 4.0 ug/L 10/11/24 17:28

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Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Type: Total/NA

Prep Batch: 671342

Job ID: 280-197939-1

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

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

Lab Sample ID: LCS 280-670760/1-A **Client Sample ID: Lab Control Sample Matrix: Water Prep Type: Dissolved**

Analysis Batch: 670762

LCS LCS Spike %Rec Added Result Qualifier %Rec Limits Analyte Unit 100 91 - 112 Chromium, hexavalent 101 ug/L 101

Lab Sample ID: LCSD 280-670760/2-A Client Sample ID: Lab Control Sample Dup **Matrix: Water Prep Type: Dissolved**

Analysis Batch: 670762

Spike LCSD LCSD %Rec **RPD** Added Result Qualifier Unit D %Rec Limits RPD Limit 100 Chromium, hexavalent 101 ug/L 101 91 - 112

Lab Sample ID: 280-197939-1 MS Client Sample ID: OUTFALL-001 **Prep Type: Dissolved**

Matrix: Water

Analysis Batch: 670762

Sample Sample Spike MS MS %Rec Result Qualifier Added Result Qualifier Limits Analyte Unit %Rec Chromium, hexavalent ND 100 102 102 91 - 112 ug/L

Lab Sample ID: 280-197939-1 MSD Client Sample ID: OUTFALL-001 **Matrix: Water Prep Type: Dissolved**

Analysis Batch: 670762

Spike MSD MSD **RPD** Sample Sample %Rec Added Analyte Result Qualifier Result Qualifier Unit %Rec Limits **RPD** Limit 100 103 Chromium, hexavalent ND ug/L 103 91 - 112

Lab Sample ID: 280-197939-1 DU Client Sample ID: OUTFALL-001 **Prep Type: Dissolved**

Matrix: Water

Analysis Batch: 670762

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

Method: SM 4500 H+ B - pH

Lab Sample ID: LCS 280-670981/4 **Client Sample ID: Lab Control Sample Matrix: Water** Prep Type: Total/NA

Analysis Batch: 670981

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

Lab Sample ID: 280-197939-1 DU Client Sample ID: OUTFALL-001 Prep Type: Total/NA

Matrix: Water

Analysis Batch: 670981

-	Sample	Sample		DU	DU				RPD
Analyte	Result	Qualifier	Re	sult	Qualifier	Unit	D	RPD	Limit
pH adj. to 25 deg C	7.9	HF		7.9		SU	_	 0.1	5
Temperature	18.6	HF	•	18.7		Degrees C		0.2	10

Eurofins Denver

QC Sample Results

Client: Grand Island Resources Job ID: 280-197939-1

Project/Site: Nederland, CO

Method: SM 4500 S2 D - Sulfide, Total

Lab Sample ID: MB 280-670955/42 Client Sample ID: Method Blank

Matrix: Water

Analysis Batch: 670955

MB MB Analyte Result Qualifier RL **MDL** Unit Analyzed Dil Fac **Prepared** Sulfide 0.050 0.022 mg/L 10/14/24 15:26 ND

Lab Sample ID: LCS 280-670955/40 **Client Sample ID: Lab Control Sample** Prep Type: Total/NA

Matrix: Water

Analysis Batch: 670955

Spike LCS LCS %Rec Analyte Added Result Qualifier D %Rec Limits Unit Sulfide 0.501 0.500 mg/L 100 81 - 122

Lab Sample ID: LCSD 280-670955/41 Client Sample ID: Lab Control Sample Dup **Matrix: Water** Prep Type: Total/NA

Analysis Batch: 670955

Spike LCSD LCSD %Rec RPD Added Result Qualifier Limits RPD Limit **Analyte** Unit %Rec Sulfide 0.501 0.504 101 81 - 122 mg/L

Lab Sample ID: 280-197939-1 MS Client Sample ID: OUTFALL-001 **Prep Type: Total/NA**

Matrix: Water

Analysis Batch: 670955

Spike MS MS %Rec Sample Sample Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits Sulfide ND 0.501 0.498 81 - 122 mg/L 99

Lab Sample ID: 280-197939-1 MSD Client Sample ID: OUTFALL-001 Prep Type: Total/NA

Matrix: Water

Analysis Batch: 670955

RPD Sample Sample Spike MSD MSD %Rec Analyte Result Qualifier Added Limits Result Qualifier Unit %Rec Limit Sulfide ND 0.501 0.499 100 81 - 122 mg/L 0

Prep Type: Total/NA

QC Association Summary

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

Job ID: 280-197939-1

Metals

Pre	n R	atc	h٠ (670	768
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Lab Sample ID 280-197939-1	Client Sample ID OUTFALL-001	Prep Type Total Recoverable	Matrix Water	Method 200.8	Prep Batch
MB 280-670768/1-A	Method Blank	Total Recoverable	Water	200.8	
LCS 280-670768/25-A	Lab Control Sample	Total Recoverable	Water	200.8	
LCS 280-670768/2-A	Lab Control Sample	Total Recoverable	Water	200.8	
LCSD 280-670768/3-A	Lab Control Sample Dup	Total Recoverable	Water	200.8	

Filtration Batch: 670975

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-197939-1	OUTFALL-001	Potentially Dissolved	Water	Poten Diss Met	

Filtration Batch: 670976

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 280-670976/1-B	Method Blank	Potentially Dissolved	Water	Filtration	
LCS 280-670976/2-C	Lab Control Sample	Potentially Dissolvec	Water	Filtration	

Prep Batch: 670979

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-197939-1	OUTFALL-001	Potentially Dissolved	Water	200.8	670975
MB 280-670976/1-B	Method Blank	Potentially Dissolvec	Water	200.8	670976
LCS 280-670976/2-C	Lab Control Sample	Potentially Dissolved	Water	200.8	670976

Analysis Batch: 671003

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-197939-1	OUTFALL-001	Total Recoverable	Water	200.8	670768
MB 280-670768/1-A	Method Blank	Total Recoverable	Water	200.8	670768
LCS 280-670768/25-A	Lab Control Sample	Total Recoverable	Water	200.8	670768

Prep Batch: 671342

Lab Sample ID 280-197939-1	Client Sample ID OUTFALL-001	Prep Type Total/NA	Matrix Water	Method 245.1	Prep Batch
MB 280-671342/1-A	Method Blank	Total/NA	Water	245.1	
LCS 280-671342/2-A	Lab Control Sample	Total/NA	Water	245.1	

Analysis Batch: 671364

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method P	rep Batch
280-197939-1	OUTFALL-001	Potentially Dissolved	Water	200.8	670979
MB 280-670976/1-B	Method Blank	Potentially Dissolved	Water	200.8	670979
LCS 280-670976/2-C	Lab Control Sample	Potentially Dissolved	Water	200.8	670979

Analysis Batch: 671478

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-197939-1	OUTFALL-001	Potentially Dissolved	Water	200.8	670979

Analysis Batch: 671670

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-197939-1	OUTFALL-001	Total/NA	Water	245.1	671342
MB 280-671342/1-A	Method Blank	Total/NA	Water	245.1	671342
LCS 280-671342/2-A	Lab Control Sample	Total/NA	Water	245.1	671342

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QC Association Summary

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

Job ID: 280-197939-1

Metals

Analysis Batch: 671931

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-197939-1	OUTFALL-001	Total Recoverable	Water	200.7 Rev 4.4	670768
MB 280-670768/1-A	Method Blank	Total Recoverable	Water	200.7 Rev 4.4	670768
LCS 280-670768/2-A	Lab Control Sample	Total Recoverable	Water	200.7 Rev 4.4	670768
LCSD 280-670768/3-A	Lab Control Sample Dup	Total Recoverable	Water	200.7 Rev 4.4	670768

Prep Batch: 688987

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-197939-1	OUTFALL-001	Total/NA	Water	1631E	
MB 400-688987/3-A	Method Blank	Total/NA	Water	1631E	
LCS 400-688987/4-A	Lab Control Sample	Total/NA	Water	1631E	
LCSD 400-688987/5-A	Lab Control Sample Dup	Total/NA	Water	1631E	

Analysis Batch: 689047

Lab Sample ID 280-197939-1	Client Sample ID OUTFALL-001	Prep Type Total/NA	Matrix Water	Method 1631E	Prep Batch 688987
MB 400-688987/3-A	Method Blank	Total/NA	Water	1631E	688987
LCS 400-688987/4-A	Lab Control Sample	Total/NA	Water	1631E	688987
LCSD 400-688987/5-A	Lab Control Sample Dup	Total/NA	Water	1631E	688987

General Chemistry

Filtration Batch: 670760

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-197939-1	OUTFALL-001	Dissolved	Water	FILTRATION	
MB 280-670760/3-A	Method Blank	Dissolved	Water	FILTRATION	
LCS 280-670760/1-A	Lab Control Sample	Dissolved	Water	FILTRATION	
LCSD 280-670760/2-A	Lab Control Sample Dup	Dissolved	Water	FILTRATION	
280-197939-1 MS	OUTFALL-001	Dissolved	Water	FILTRATION	
280-197939-1 MSD	OUTFALL-001	Dissolved	Water	FILTRATION	
280-197939-1 DU	OUTFALL-001	Dissolved	Water	FILTRATION	

Analysis Batch: 670762

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-197939-1	OUTFALL-001	Dissolved	Water	SM 3500 CR B	670760
MB 280-670760/3-A	Method Blank	Dissolved	Water	SM 3500 CR B	670760
LCS 280-670760/1-A	Lab Control Sample	Dissolved	Water	SM 3500 CR B	670760
LCSD 280-670760/2-A	Lab Control Sample Dup	Dissolved	Water	SM 3500 CR B	670760
280-197939-1 MS	OUTFALL-001	Dissolved	Water	SM 3500 CR B	670760
280-197939-1 MSD	OUTFALL-001	Dissolved	Water	SM 3500 CR B	670760
280-197939-1 DU	OUTFALL-001	Dissolved	Water	SM 3500 CR B	670760

Analysis Batch: 670927

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-197939-1	OUTFALL-001	Total/NA	Water	SM 2510B	
MB 280-670927/4	Method Blank	Total/NA	Water	SM 2510B	
LCS 280-670927/3	Lab Control Sample	Total/NA	Water	SM 2510B	

Analysis Batch: 670955

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-197939-1	OUTFALL-001	Total/NA	Water	SM 4500 S2 D	
MB 280-670955/42	Method Blank	Total/NA	Water	SM 4500 S2 D	

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QC Association Summary

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

General Chemistry (Continued)

Analysis Batch: 670955 (Continued)

Lab Sample ID LCS 280-670955/40	Client Sample ID Lab Control Sample	Prep Type Total/NA	Matrix Water	Method SM 4500 S2 D	Prep Batch
LCSD 280-670955/41	Lab Control Sample Dup	Total/NA	Water	SM 4500 S2 D	
280-197939-1 MS	OUTFALL-001	Total/NA	Water	SM 4500 S2 D	
280-197939-1 MSD	OUTFALL-001	Total/NA	Water	SM 4500 S2 D	

Analysis Batch: 670981

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-197939-1	OUTFALL-001	Total/NA	Water	SM 4500 H+ B	
LCS 280-670981/4	Lab Control Sample	Total/NA	Water	SM 4500 H+ B	
280-197939-1 DU	OUTFALL-001	Total/NA	Water	SM 4500 H+ B	

Analysis Batch: 670993

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-197939-1	OUTFALL-001	Total/NA	Water	SM4500 S2 H	

Analysis Batch: 671480

Lab Sample ID 280-197939-1	OUTFALL-001	Prep Type Total/NA	Matrix Water	Method SM 2540D	Prep Batch
MB 280-671480/1	Method Blank	Total/NA	Water	SM 2540D	
LCS 280-671480/2	Lab Control Sample	Total/NA	Water	SM 2540D	

Analysis Batch: 671844

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-197939-1	OUTFALL-001	Potentially Dissolved	Water	SM3500 CR B	
280-197939-1	OUTFALL-001	Total Recoverable	Water	SM3500 CR B	

Job ID: 280-197939-1

Lab Chronicle

Client: Grand Island Resources Job ID: 280-197939-1 Project/Site: Nederland, CO

Client Sample ID: OUTFALL-001

Lab Sample ID: 280-197939-1 Date Collected: 10/11/24 13:00

Matrix: Water

Date Received: 10/11/24 15:42

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	1631E			40 mL	40 mL	688987	10/16/24 14:30	VLC	EET PEN
							Completed:	10/17/24 09:00	1	
Total/NA	Analysis	1631E		1			689047	10/24/24 10:46	VLC	EET PEN
Total Recoverable	Prep	200.8			50 mL	50 mL	670768	10/14/24 08:40	SMK	EET DEN
Total Recoverable	Analysis	200.7 Rev 4.4		1			671931	10/22/24 00:43	NKC	EET DEN
Potentially Dissolved	Filtration	Poten_Diss_Met			200 mL	200 mL	670975	10/14/24 16:37	SMK	EET DEN
Potentially Dissolved	Prep	200.8			50 mL	50 mL	670979	10/16/24 08:10	SMK	EET DEN
Potentially Dissolved	Analysis	200.8		1			671364	10/17/24 04:06	LMT	EET DEN
Potentially Dissolved	Filtration	Poten_Diss_Met			200 mL	200 mL	670975	10/14/24 16:37	SMK	EET DEN
Potentially Dissolved	Prep	200.8			50 mL	50 mL	670979	10/16/24 08:10	SMK	EET DEN
Potentially Dissolved	Analysis	200.8		1			671478	10/17/24 14:15	LMT	EET DEN
Total Recoverable	Prep	200.8			50 mL	50 mL	670768	10/14/24 08:40	SMK	EET DEN
Total Recoverable	Analysis	200.8		1			671003	10/14/24 21:11	LMT	EET DEN
Total/NA	Prep	245.1			30 mL	50 mL	671342	10/17/24 16:25	CAF	EET DEN
Total/NA	Analysis	245.1		1			671670	10/18/24 02:40	NKC	EET DEN
Total/NA	Analysis	SM 2510B		1			670927	10/14/24 13:47	EL	EET DEN
Total/NA	Analysis	SM 2540D		1	250 mL	250 mL	671480	10/17/24 15:28	MF	EET DEN
Dissolved	Filtration	FILTRATION			2 mL	2 mL	670760	10/11/24 17:18	CLP	EET DEN
Dissolved	Analysis	SM 3500 CR B		1	2 mL	2 mL	670762	10/11/24 17:29	CLP	EET DEN
Total/NA	Analysis	SM 4500 H+ B		1			670981	10/14/24 14:05	EL	EET DEN
Total/NA	Analysis	SM 4500 S2 D		1	2 mL	2 mL	670955	10/14/24 15:28	ABW	EET DEN
Potentially Dissolved	Analysis	SM3500 CR B		1			671844	10/21/24 13:46	RMS	EET DEN
Total Recoverable	Analysis	SM3500 CR B		1			671844	10/21/24 13:46	RMS	EET DEN
Total/NA	Analysis	SM4500 S2 H		1			670993	10/15/24 00:23	P1C	EET DEN

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

Laboratory References:

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

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

Eurofins Denver

Accreditation/Certification Summary

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

Job ID: 280-197939-1

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
regon	NELAF	0	4025	01-08-25
,	s are included in this repor	•	not certified by the governing authori	ity. 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	fide

Laboratory: Eurofins Pensacola

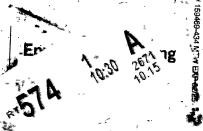
All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

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	10-31-24	
Kentucky (UST)	State	53	06-30-25	
Louisiana (All)	NELAP	30976	06-30-25	
Louisiana (DW)	State	LA017	12-31-24	
North Carolina (WW/SW)	State	314	12-31-24	
Oklahoma	NELAP	9810	08-31-25	
Pennsylvania	NELAP	68-00467	01-31-25	
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	

Cooler Temperature(s) °C and Other Remarks: 1, 5

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Eurofins Denver-			3 H. 2	_	
4955 Yarrow Street	Chain of Cu	Chain of Custody Record	200	🔅 eurofins	
Arvada, CO 80002		stody record	**************************************		Environment Testing
Phone: 303-736-0100 Fax: 303-431-7171			3	=	
Client Information (Sub Contract Lab)	Sampler:	Lab PM: Bieniulis. Dvlan T	Carrier Tracking No(s)	o(s): COC No: 280-719756 1	
Client Contact:	Phone:	E-Mail:		Page:	
Shipping/Receiving		Dylan.Bieniulis@et.eurc	ofinsus.com Colorado	Page 1 of 1	`
Company: Eurofins Environment Testing Southeast L		Accreditations Required (See note): NELAP - Oregon	d (See note):	Job #: 280-197939-1	
Address: 3355 McLemore Drive.	Due Date Requested: 10/28/2024		Analysis Regiested	Preservation Codes:	.:.88
City: Pencarola	TAT Requested (days):				
State 22514					
Phone: 850-474-1001(Tel) 850-478-2671(Fax)	PO#				
Email:	WO#:				
Project Name: Nederland, CO	Project #: ` 28022821				
Site:	SSOW#:	ji (Is		Other:	
	Sample Type.	Matrix (wewster, more)			
Sample Identification - Client ID (Lab ID)	-	S=solid, O=waste/oll, BT=Tisque, A=Air)			Special Instructions/Note:
		Birrawation edda XXV		Y	The second secon
OUTFALL-001 (280-197939-1)	10/11/24 13:00 G Mountain G	Water			
				8 01,0	
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/lests/marity being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins TestAmerica.	ca places the ownership of method, analyte & acc being analyzed, the samples must be shipped bs dete, return the signed Chain of Custody attestin	reditation compilance upon our subcontrac ack to the Eurofins TestAmerica laboratory g to said compliance to Eurofins TestAmer	ot laboratories. This sample shipment is forw or other instructions will be provided. Any chica.	arded under chain-of-custody. If the labora langes to accreditation status should be bro	tory does not currently ught to Eurofins
Possible Hazard Identification		Sample Dispos	ee may be	ples are retained longer than 1	month)
Unconfirmed		Return To Client	o Client Disposal By Lab	Archive For	Months
Deliverable Kequested: 1, II, II, V, Other (specify)	Primary Deliverable Rank: 2	Special Instruct	Special Instructions/QC Requirements:		<u>.</u>
Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:	nipment:	
Relinquished by: $\mathcal{B}\mathcal{B}\mathcal{O}$	Date/Time: 6/14/24 (5,00	Company Received by:		Date/Time:	Сотрапу
Relinquished by:	Date/Time:	Company Received by:		Date/Time:	Company
Relinquished by:	Date/Time:	Company Received by:		Date/Time: 17/1/1/1/1/1/1/1/1/1/1/1/1/1/1/1/1/1/1/	Company





ARVADA, CO 80002 UNITED STATES US

BILL SENDER

TO SHIPPING/RECEIVING

EUROFINS ENVIRONMENT TESTING SOUTHE 3355 MCLEMORE DRIVE

PENSACOLA FL 32514 (860) 474-1001 REF: 9280-

DEPT: BOTTLE PREP

7385 6154 2671

TUE - 15 OCT 10:30A PRIORITY OVERNIGHT

XH PNSA

32514 FL-US BFM



Login Sample Receipt Checklist

Client: Grand Island Resources Job Number: 280-197939-1

Login Number: 197939 List Source: Eurofins Denver

List Number: 1

Creator: Roehsner, Karen P

Creator. Roensiler, Raren 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	

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Client: Grand Island Resources Job Number: 280-197939-1

List Source: Eurofins Pensacola
List Number: 2
List Creation: 10/15/24 04:02 PM

Creator: Roberts, Darrien

Creator: Roberts, Darrien		
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.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.5°C IR8
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

PREPARED FOR

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

JOB DESCRIPTION

Generated 11/11/2024 9:27:32 AM

Nederland, CO

JOB NUMBER

280-198903-1

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.

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Authorization

Generated 11/11/2024 9:27:32 AM

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

Job ID: 280-198903-1

Project/Site: Nederland, CO

Qualifiers

Metals

J Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation These commonly used abbreviations may or may not be present in this report.

Listed under the "D" column to designate that the result is reported on a dry weight basis

%R Percent Recovery
CFL Contains Free Liquid
CFU Colony Forming Unit
CNF Contains No Free Liquid

DER Duplicate Error Ratio (normalized absolute difference)

Dil Fac Dilution Factor

DL Detection Limit (DoD/DOE)

DL, RA, RE, IN Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample

DLC Decision Level Concentration (Radiochemistry)

EDL Estimated Detection Limit (Dioxin)

LOD Limit of Detection (DoD/DOE)

LOQ Limit of Quantitation (DoD/DOE)

MCL EPA recommended "Maximum Contaminant Level"

MDA Minimum Detectable Activity (Radiochemistry)

MDC Minimum Detectable Concentration (Radiochemistry)

MDL Method Detection Limit
ML Minimum Level (Dioxin)
MPN Most Probable Number
MQL Method Quantitation Limit

NC Not Calculated

ND Not Detected at the reporting limit (or MDL or EDL if shown)

NEG Negative / Absent
POS Positive / Present

PQL Practical Quantitation Limit

PRES Presumptive
QC Quality Control

RER Relative Error Ratio (Radiochemistry)

RL Reporting Limit or Requested Limit (Radiochemistry)

RPD Relative Percent Difference, a measure of the relative difference between two points

TEF Toxicity Equivalent Factor (Dioxin)
TEQ Toxicity Equivalent Quotient (Dioxin)

TNTC Too Numerous To Count

Eurofins Denver

11/11/2024

Case Narrative

Client: Grand Island Resources

Project: Nederland, CO

Eurofins Denver Job ID: 280-198903-1

> Job Narrative 280-198903-1

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 10/31/2024 3:46 PM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.5°C.

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

Sample OUTFALL-001 (280-198903-1) was analyzed for Metals (ICP/MS) - Potentially Dissolved. The sample was prepared on 11/5/2024 and analyzed on 11/6/2024 and 11/7/2024.

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

Sample OUTFALL-001 (280-198903-1) was analyzed for Metals (ICP/MS) - Total Recoverable. The sample was prepared on 11/4/2024 and analyzed on 11/5/2024.

Job ID: 280-198903-1

Detection Summary

Client: Grand Island Resources Job ID: 280-198903-1

Project/Site: Nederland, CO

Client Sample ID: OUTFALL-001

Lab Sample ID: 280-198903-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	0.38		1.0	0.23	ug/L	1	_	200.8	Total
									Recoverable
Lead	0.36	J	1.0	0.23	ug/L	1		200.8	Potentially
									Dissolved
Zinc	19		10	2.0	ug/L	1		200.8	Potentially
									Dissolved

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Method Summary

Client: Grand Island Resources Project/Site: Nederland, CO Job ID: 280-198903-1

Method Description	Protocol	Laboratory
Metals (ICP/MS)	EPA	EET DEN
Preparation, Total Recoverable Metals	EPA	EET DEN
Filtration for Potentially Dissolved Metals	EPA	EET DEN

Protocol References:

Method

200.8

200.8

Poten_Diss_Met

EPA = US Environmental Protection Agency

Laboratory References:

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

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Sample Summary

Client: Grand Island Resources Project/Site: Nederland, CO Job ID: 280-198903-1

 Lab Sample ID
 Client Sample ID
 Matrix
 Collected
 Received

 280-198903-1
 OUTFALL-001
 Water
 10/31/24 12:30
 10/31/24 15:46

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Client Sample Results

Client: Grand Island Resources

Job ID: 280-198903-1

Project/Site: Nederland, CO

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

Client Sample ID: OUTFALL-001

Date Collected: 10/31/24 12:30

Lab Sample ID: 280-198903-1

Matrix: Water

Date Received: 10/31/24 15:46

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	ND		2.0	0.71	ug/L		11/04/24 14:49	11/05/24 19:07	1
Lead	0.38	J	1.0	0.23	ug/L		11/04/24 14:49	11/05/24 19:07	1

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

Client Sample ID: OUTFALL-001	Lab Sample ID: 280-198903-1
Date Collected: 10/21/24 12:30	Matrix: Water

Date Received: 10/31/24 15							Matrix	. water
Analyte	Result Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	ND ND	1.0	0.19	ug/L		11/05/24 15:07	11/06/24 19:05	1
Copper	ND	2.0	0.71	ug/L		11/05/24 15:07	11/06/24 19:05	1
Lead	0.36 J	1.0	0.23	ug/L		11/05/24 15:07	11/07/24 11:01	1
Silver	ND	0.50	0.045	ug/L		11/05/24 15:07	11/06/24 19:05	1
Zinc	19	10	2.0	ug/L		11/05/24 15:07	11/06/24 19:05	1

Eurofins Denver

Job ID: 280-198903-1

Client: Grand Island Resources

Project/Site: Nederland, CO

Method: 200.8 - Metals (ICP/MS)

Lab Sample ID: MB 280-673386/1-A

Matrix: Water

Analysis Batch: 673888

Client Sample ID: Method Blank **Prep Type: Total Recoverable**

Prep Batch: 673386

Analyte Result Qualifier RL **MDL** Unit D Prepared Analyzed Dil Fac 2.0 11/04/24 14:49 11/05/24 18:55 Copper ND 0.71 ug/L Lead ND 1.0 0.23 ug/L 11/04/24 14:49 11/05/24 18:55

MB MB

Lab Sample ID: LCS 280-673386/2-A **Client Sample ID: Lab Control Sample Prep Type: Total Recoverable Matrix: Water**

Analysis Batch: 673888 Prep Batch: 673386 Spike LCS LCS %Rec

Analyte Added Result Qualifier Unit %Rec Limits 90 - 115 Copper 40.0 40.8 ug/L 102 40.0 39.7 ug/L 99 88 - 115 Lead

Lab Sample ID: MB 280-673195/2-C **Client Sample ID: Method Blank Matrix: Water Prep Type: Potentially Dissolved**

Analysis Batch: 674060 **Prep Batch: 673615**

MB MB MDL Unit Result Qualifier RL Analyte Prepared Analyzed Dil Fac Cadmium ND 1.0 0.19 ug/L 11/05/24 15:07 11/06/24 18:49 11/05/24 15:07 11/06/24 18:49 ND 20 Copper 0.71 ug/L Silver ND 0.50 0.045 ug/L 11/05/24 15:07 11/06/24 18:49 Zinc ND 10 2.0 ug/L 11/05/24 15:07 11/06/24 18:49

Lab Sample ID: MB 280-673195/2-C Client Sample ID: Method Blank **Matrix: Water Prep Type: Potentially Dissolved Analysis Batch: 674143 Prep Batch: 673615**

MB MB

Analyte Result Qualifier RL **MDL** Unit Prepared Analyzed Dil Fac 1.0 0.23 ug/L 11/05/24 15:07 11/07/24 10:57 Lead ND

Lab Sample ID: LCS 280-673195/19-C Client Sample ID: Lab Control Sample

Matrix: Water Prep Type: Potentially Dissolved Analysis Batch: 674060 Prep Batch: 673615

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Cadmium	40.0	38.6		ug/L		96	89 - 111	
Copper	40.0	40.3		ug/L		101	90 - 115	
Silver	40.0	38.9		ug/L		97	90 - 114	
Zinc	40.0	41.4		ug/L		104	88 - 115	

Lab Sample ID: LCS 280-673195/19-C **Client Sample ID: Lab Control Sample Prep Type: Potentially Dissolved Matrix: Water Analysis Batch: 674143 Prep Batch: 673615** Spike LCS LCS %Rec Analyte Added Result Qualifier Unit %Rec Limits

Lead 40.0 38.6 ug/L 96 88 - 115

Eurofins Denver

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

Job ID: 280-198903-1

Metals

Filtration Batch: 673195

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 280-673195/2-C	Method Blank	Potentially Dissolved	Water	Filtration	
LCS 280-673195/19-C	Lab Control Sample	Potentially Dissolved	Water	Filtration	

Filtration Batch: 673384

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-198903-1	OUTFALL-001	Potentially Dissolved	Water	Poten_Diss_Met	

Prep Batch: 673386

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-198903-1	OUTFALL-001	Total Recoverable	Water	200.8	_
MB 280-673386/1-A	Method Blank	Total Recoverable	Water	200.8	
LCS 280-673386/2-A	Lab Control Sample	Total Recoverable	Water	200.8	

Prep Batch: 673615

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method Pr	ep Batch
280-198903-1	OUTFALL-001	Potentially Dissolved	Water	200.8	673384
MB 280-673195/2-C	Method Blank	Potentially Dissolvec	Water	200.8	673195
LCS 280-673195/19-C	Lab Control Sample	Potentially Dissolvec	Water	200.8	673195

Analysis Batch: 673888

Lab Sample ID 280-198903-1	Client Sample ID OUTFALL-001	Prep Type Total Recoverable	Matrix Water	Method 200.8	Prep Batch 673386
MB 280-673386/1-A	Method Blank	Total Recoverable	Water	200.8	673386
LCS 280-673386/2-A	Lab Control Sample	Total Recoverable	Water	200.8	673386

Analysis Batch: 674060

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-198903-1	OUTFALL-001	Potentially Dissolved	Water	200.8	673615
MB 280-673195/2-C	Method Blank	Potentially Dissolved	Water	200.8	673615
LCS 280-673195/19-C	Lab Control Sample	Potentially Dissolvec	Water	200.8	673615

Analysis Batch: 674143

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-198903-1	OUTFALL-001	Potentially Dissolved	Water	200.8	673615
MB 280-673195/2-C	Method Blank	Potentially Dissolved	Water	200.8	673615
LCS 280-673195/19-C	Lab Control Sample	Potentially Dissolved	Water	200.8	673615

Lab Chronicle

Client: Grand Island Resources

Job ID: 280-198903-1

Project/Site: Nederland, CO

Client Sample ID: OUTFALL-001 Lab Sample ID: 280-198903-1

Date Collected: 10/31/24 12:30 Matrix: Water
Date Received: 10/31/24 15:46

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Potentially Dissolved	Filtration	Poten_Diss_Met			300 mL	300 mL	673384	11/01/24 11:39	KLG	EET DEN
Potentially Dissolved	Prep	200.8			50 mL	50 mL	673615	11/05/24 15:07	KLG	EET DEN
Potentially Dissolved	Analysis	200.8		1			674060	11/06/24 19:05	LMT	EET DEN
Potentially Dissolved	Filtration	Poten_Diss_Met			300 mL	300 mL	673384	11/01/24 11:39	KLG	EET DEN
Potentially Dissolved	Prep	200.8			50 mL	50 mL	673615	11/05/24 15:07	KLG	EET DEN
Potentially Dissolved	Analysis	200.8		1			674143	11/07/24 11:01	LMT	EET DEN
Total Recoverable	Prep	200.8			50 mL	50 mL	673386	11/04/24 14:49	KLG	EET DEN
Total Recoverable	Analysis	200.8		1			673888	11/05/24 19:07	LMT	EET DEN

Laboratory References:

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

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Accreditation/Certification Summary

Client: Grand Island Resources

Job ID: 280-198903-1

Project/Site: Nederland, CO

Laboratory: Eurofins Denver

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Oregon	NELAP	4025	01-08-25

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Eurofins TestAmerica, Denver 4955 Yarrow Street Arvada, CQ 80802 Phone (303) 736-0100 Phone (303) 431-7171		Chain of	Custo	of Custody Record	cord			·	🐾 eurofins	Environment of
Client Information	Sampler: ACIEN	7	90CL	Lab PM Bieniu	Lab PM [.] Bieniulis, Dylan	7	Carrier Tracking No(s.	s);	COC No	
Client Contact	Phone 706493	4	22	E-Mail Dylan.	Bieniulis(E-Mail Dylan.Bieniulis@et.eurofinsus.com	State of Origin:		Page	
Сотралу Grand Island Resources			PWSID:			Analysis Reguested	Reguested		Jeb#:	
Address 12567 West Cedar Drive Suite 110	Due Date Requested:					цзио			Preservation Codes	des
Ctry Lakewood	TAT Requested (days):	ä			- J 1			s vicetings.	A = NGE B = NaOH G = Zn Acetate	M = Texane N = None O = AsNaO2
State, Zip CO, 80228	Compliance Project:	∆ Yes ∆ No							D = NITHE ACIE	P = Na2048 Q = Na2803
Phone. (303) 601-9230	PQ#			10%	,				F - MeOH G - Amehler H Assemble Asid	R = Na28293 S = H2804 T = TEP Podochidate
Email <u>johnrinko@yahoo.com</u>	WO ₩			120 5					ri = Aşegrane Agid I = Ice J - DI Water	U = Car Degeganyorate U = Acetone V = MCAA
Project Name Nederland, CO	Project #. 28022821			2X/ 9I				anistr	K - EDTA L - EDA	W - pH 4-5 Z - ether (specify)
Site, second half of the month event	\$\$OW#:			ioms2		(35		103 10	Other	
	0.	S alone S	Sample Type	Matrix (wewater, Sesolid.	NSM maol	8 - Potentia dh 9- Rio T 8 (Isil iir		ıl Mumber		
Sample Identification	Sample Date	-	a	3		mom 200.		sioii >	Special In	Special Instructions/Note:
	-		alia lasai	T	\$	200				0.00
1001FALL-001	10 31 2024 12	:30 (S	3	Z	× ×			*Second half of th dissolved metals r Cu, Pb, Ag, Zn)	*§econd half of the month potentially discolved metals permit list ≡ 200.8 (€d, €u, Pb, Ag, £n)
					The second secon				*Second half of th metals permit list	*Second half of the month total recoverable metals permit list = 200,8 (Cu., Pb)
									Temp = 5) ,
									PH= 8	
									Observed visible	Observed visible sheen or floating oil?
									Yeş //(No)(circle	(circle one)
					780	280-198903 Chain of Custody	-		* If oil sheen observed in discharg sampling for Oil&Grease required	if oil sheen observed in discharge, sampling for Oil&Grease required
Rossible Hazard Identification Non-Hazard Flammable Skin Irrtant Poi	Poison R				Sample	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month	sessed if samp	oles are retair	ned longer than	1 month)
ested: I, II, III, IV, Other (specify)			in a second		Special	Special Instructions/QC Requirements:	ments:	(A)	Alcinve rol	MONITIES
Empty Kit Relinquished by:		Date;		Ŧ	Time:		Method of Shipment	nent.		
Reimguished by	Date/Time		ලින්	Company	Rece	Received by	Date	Date/Time		Gompany
SELECTION OF SELECTION	Ða(e/Tíme	151	Gor.	Company	Rece	Received by.	Date	Date/Time:		Gompany
3	Date/Filme	STATE OF THE PARTY	4	Cempany Cirk		Regulation of the second	1 1	P10/3/124	1546	Company
Custody Seal Mact: Custody Seal No.:					C660	Cooler Temperatule(s) C and Other Remarks: 5. 4		すりいてす	10,	
										Ver; 01/16/2019

Login Sample Receipt Checklist

Client: Grand Island Resources Job Number: 280-198903-1

Login Number: 198903 List Source: Eurofins Denver

List Number: 1

Creator: Held, Wesley

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

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APPENDIX B.2 NOVEMBER 2024 OUTFALL-001 ANALYTICAL RESULTS

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ANALYTICAL REPORT

PREPARED FOR

Attn: Brooke Molson Moran Grand Island Resources 12567 West Cedar Road Suite 110 Lakewood, Colorado 80228 Generated 11/27/2024 10:06:10 AM

JOB DESCRIPTION

Nederland, CO

JOB NUMBER

280-199519-1

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

Generated 11/27/2024 10:06:10 AM

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

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Page 2 of 23

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Definitions/Glossary

Client: Grand Island Resources

Job ID: 280-199519-1

Project/Site: Nederland, CO

Qualifiers

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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.

General Chemistry

Qualifier Qualifier Description

HF Parameter with a holding time of 15 minutes. Test performed by laboratory at client's request. Sample was analyzed outside of hold time.

J Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation These commonly used abbreviations may or may not be present in this report.

Listed under the "D" column to designate that the result is reported on a dry weight basis

%R Percent Recovery
CFL Contains Free Liquid
CFU Colony Forming Unit
CNF Contains No Free Liquid

DER Duplicate Error Ratio (normalized absolute difference)

Dil Fac Dilution Factor

DL Detection Limit (DoD/DOE)

DL, RA, RE, IN Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample

DLC Decision Level Concentration (Radiochemistry)

EDL Estimated Detection Limit (Dioxin)

LOD Limit of Detection (DoD/DOE)

LOQ Limit of Quantitation (DoD/DOE)

MCL EPA recommended "Maximum Contaminant Level"

MDA Minimum Detectable Activity (Radiochemistry)

MDC Minimum Detectable Concentration (Radiochemistry)

MDL Method Detection Limit
ML Minimum Level (Dioxin)
MPN Most Probable Number
MQL Method Quantitation Limit

NC Not Calculated

ND Not Detected at the reporting limit (or MDL or EDL if shown)

NEG Negative / Absent
POS Positive / Present

PQL Practical Quantitation Limit

PRES Presumptive
QC Quality Control

RER Relative Error Ratio (Radiochemistry)

RL Reporting Limit or Requested Limit (Radiochemistry)

RPD Relative Percent Difference, a measure of the relative difference between two points

TEF Toxicity Equivalent Factor (Dioxin)
TEQ Toxicity Equivalent Quotient (Dioxin)

TNTC Too Numerous To Count

Eurofins Denver

Page 4 of 23 11/27/2024

Case Narrative

Client: Grand Island Resources

Project: Nederland, CO

Job ID: 280-199519-1 Eurofins Denver

Job Narrative 280-199519-1

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 11/13/2024 2:40 PM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.8°C.

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

Sample OUTFALL-001 (280-199519-1) was analyzed for Metals (ICP) - Total Recoverable. The sample was prepared on 11/26/2024 and analyzed on 11/27/2024.

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

Sample OUTFALL-001 (280-199519-1) was analyzed for Metals (ICP/MS) - Potentially Dissolved. The sample was prepared on 11/14/2024 and 11/18/2024 and analyzed on 11/15/2024 and 11/18/2024.

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

Sample OUTFALL-001 (280-199519-1) was analyzed for Metals (ICP/MS) - Total Recoverable. The sample was prepared on 11/14/2024 and analyzed on 11/15/2024.

The matrix spike (MS) recovery for preparation batch 280-674978 and analytical batch 280-675443 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference, high targets and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 245.1 - Mercury (CVAA)

Sample OUTFALL-001 (280-199519-1) was analyzed for Mercury (CVAA). The sample was prepared and analyzed on 11/22/2024.

Method SM 2510B - Conductivity, Specific Conductance

Sample OUTFALL-001 (280-199519-1) was analyzed for Conductivity, Specific Conductance. The sample was analyzed on 11/18/2024.

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

Sample OUTFALL-001 (280-199519-1) was analyzed for Solids, Total Suspended (TSS). The sample was analyzed on 11/19/2024.

Method SM 3500 CR B - Chromium, Hexavalent - Dissolved

Eurofins Denver

Job ID: 280-199519-1

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Case Narrative

Client: Grand Island Resources

Project: Nederland, CO

Job ID: 280-199519-1 (Continued)

Eurofins Denver

Job ID: 280-199519-1

Sample OUTFALL-001 (280-199519-1) was analyzed for Chromium, Hexavalent - Dissolved. The sample was analyzed on 11/13/2024 and 11/18/2024.

Method SM3500 CR B - Chromium, Trivalent - Potentially Dissolved

Sample OUTFALL-001 (280-199519-1) was analyzed for Chromium, Trivalent - Potentially Dissolved. The sample was analyzed on 11/22/2024.

Method SM3500 CR B - Chromium, Trivalent - Total Recoverable

Sample OUTFALL-001 (280-199519-1) was analyzed for Chromium, Trivalent - Total Recoverable. The sample was analyzed on 11/18/2024 and 11/22/2024.

Method SM 4500 H+ B - pH

Sample OUTFALL-001 (280-199519-1) was analyzed for pH. The sample was analyzed on 11/14/2024.

Method SM 4500 S2 D - Sulfide, Total

Sample OUTFALL-001 (280-199519-1) was analyzed for Sulfide, Total. The sample was analyzed on 11/18/2024.

Method SM4500 S2 H - Unionized Hydrogen Sulfide

Sample OUTFALL-001 (280-199519-1) was analyzed for Unionized Hydrogen Sulfide. The sample was analyzed on 11/14/2024.

Eurofins Denver

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Detection Summary

Client: Grand Island Resources Project/Site: Nederland, CO Job ID: 280-199519-1

Lab Sample ID: 280-199519-1

Client Sam	ple ID:	OUTFAL	L-001
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Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac [Method	Prep Type
Copper	1.0	J	2.0	0.71	ug/L	1	200.8	Total
								Recoverable
Lead	0.65	J	1.0	0.23	ug/L	1	200.8	Total
								Recoverable
Zinc	26	F1	10	2.0	ug/L	1	200.8	Total
								Recoverable
Lead	0.67	J	1.0	0.23	ug/L	1	200.8	Potentially
								Dissolved
Zinc	27		10	2.0	ug/L	1	200.8	Potentially
								Dissolved
Specific Conductance	240		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	22.4	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	22		1.0	1.0	Celsius	1	SM4500 S2 H	Total/NA
Specific Conductance	240		2.0	2.0	umhos/cm	1	SM4500 S2 H	Total/NA
Chromium, hexavalent	4.7	J	20	4.0	ua/L	1	SM 3500 CR B	Dissolved

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This Detection Summary does not include radiochemical test results.

Method Summary

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

Job ID: 280-199519-1

Method	Method Description	Protocol	Laboratory
200.7 Rev 4.4	Metals (ICP)	EPA	EET DEN
200.8	Metals (ICP/MS)	EPA	EET DEN
45.1	Mercury (CVAA)	EPA	EET DEN
SM 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
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
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

Eurofins Denver

Sample Summary

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

Job ID: 280-199519-1

 Lab Sample ID
 Client Sample ID
 Matrix
 Collected
 Received

 280-199519-1
 OUTFALL-001
 Water
 11/13/24 12:30
 11/13/24 14:40

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Client: Grand Island Resources Job ID: 280-199519-1 Project/Site: Nederland, CO

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

Client Sample ID: OUTFALL-001 Lab Sample ID: 280-199519-1 Date Collected: 11/13/24 12:30 **Matrix: Water**

Date Received: 11/13/24 14:40

MDL Unit Analyte Result Qualifier RL D Prepared Analyzed Dil Fac 100 11/26/24 07:54 11/27/24 01:10 Iron ND 9.1 ug/L

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

Client Sample ID: OUTFALL-001 Lab Sample ID: 280-199519-1 Date Collected: 11/13/24 12:30 **Matrix: Water** Date Received: 11/13/24 14:40

Date Neceiveu. 11/13/	4T IT.TU								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		5.0	0.50	ug/L		11/14/24 08:17	11/15/24 09:13	1
Cadmium	ND		1.0	0.19	ug/L		11/14/24 08:17	11/15/24 09:13	1
Chromium	ND		3.0	0.50	ug/L		11/14/24 08:17	11/15/24 09:13	1
Copper	1.0	J	2.0	0.71	ug/L		11/14/24 08:17	11/15/24 09:13	1
Lead	0.65	J	1.0	0.23	ug/L		11/14/24 08:17	11/15/24 09:13	1
Zinc	26	F1	10	2.0	ug/L		11/14/24 08:17	11/15/24 15:44	1

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

Client Sample ID: OUTFALL-001 Lab Sample ID: 280-199519-1 Date Collected: 11/13/24 12:30 **Matrix: Water**

Date Received: 11/13/2	24 14:40								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		5.0	0.50	ug/L		11/18/24 08:31	11/18/24 22:01	1
Cadmium	ND		1.0	0.19	ug/L		11/18/24 08:31	11/18/24 22:01	1
Chromium	ND		3.0	0.50	ug/L		11/18/24 08:31	11/18/24 22:01	1
Copper	ND		2.0	0.71	ug/L		11/18/24 08:31	11/18/24 22:01	1
Lead	0.67	J	1.0	0.23	ug/L		11/18/24 08:31	11/18/24 22:01	1
Manganese	ND		3.0	0.51	ug/L		11/18/24 08:31	11/18/24 22:01	1
Nickel	ND		3.0	0.83	ug/L		11/18/24 08:31	11/18/24 22:01	1
Selenium	ND		5.0	1.0	ug/L		11/18/24 08:31	11/18/24 22:01	1
Silver	ND		0.50	0.045	ug/L		11/18/24 08:31	11/18/24 22:01	1
Zinc	27		10	2.0	ug/L		11/18/24 08:31	11/18/24 22:01	1

Method: EPA 245.1 - Mercury (CVAA)

Client Sample ID: OUTFALL-001 Lab Sample ID: 280-199519-1 **Matrix: Water**

Date Collected: 11/13/24 12:30 Date Received: 11/13/24 14:40

Analyte Result Qualifier RL **MDL** Unit Prepared Analyzed Dil Fac 11/22/24 09:40 11/22/24 16:33 Mercury ND 0.20 0.061 ug/L

General Chemistry

Client Sample ID: OUTFALL-001 Lab Sample ID: 280-199519-1 Date Collected: 11/13/24 12:30 **Matrix: Water**

Date Received: 11/13/24 14:40									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (SM 2510B)	240		2.0	2.0	umhos/cm			11/18/24 16:36	1
Total Suspended Solids (SM 2540D)	ND		4.0	1.1	mg/L			11/19/24 12:49	1
pH adj. to 25 deg C (SM 4500 H+ B)	8.0	HF	0.1	0.1	SU			11/14/24 12:42	1
Temperature (SM 4500 H+ B)	22.4	HF	1.0	1.0	Degrees C			11/14/24 12:42	1
Sulfide (SM 4500 S2 D)	ND		0.050	0.022	mg/L			11/18/24 17:05	1

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Client Sample Results

Client: Grand Island Resources Job ID: 280-199519-1 Project/Site: Nederland, CO

General Chemistry (Continued)

Client Sample ID: OUTFALL-001 Lab Sample ID: 280-199519-1 Date Collected: 11/13/24 12:30 **Matrix: Water**

Date Received: 11/13/24 14:40 Analyte	Result Qualifier	RL	MDL	l lmi4	D	Prepared	Analyzed	Dil Fac
	Result Qualifier	KL _				Prepareu		DII Fac
Un-ionized Hydrogen Sulfide (SM4500 S2 H)	ND	1.0	1.0	mg/L			11/14/24 14:43	1
Field pH (SM4500 S2 H)	8.0	1.0	1.0	SU			11/14/24 14:43	1
Field Temperature (SM4500 S2 H)	22	1.0	1.0	Celsius			11/14/24 14:43	1
Specific Conductance (SM4500 S2 H)	240	2.0	2.0	umhos/cm			11/14/24 14:43	1
Sulfide (SM4500 S2 H)	ND	1.0	1.0	mg/L			11/14/24 14:43	1

General Chemistry - Total Recoverable

Client Sample ID: OUTFALL-001 Lab Sample ID: 280-199519-1 Date Collected: 11/13/24 12:30 **Matrix: Water**

Date Received: 11/13/24 14:40

Analyte Result Qualifier RL **MDL** Unit D Prepared Analyzed Dil Fac Chromium, trivalent (SM3500 CR B) ND 20 20 ug/L 11/22/24 14:13

General Chemistry - Dissolved

Lab Sample ID: 280-199519-1 **Client Sample ID: OUTFALL-001**

Date Collected: 11/13/24 12:30

Date Received: 11/13/24 14:40

Analyte Result Qualifier RL **MDL** Unit **Prepared** Analyzed Dil Fac Chromium, hexavalent (SM 3500 4.7 J 20 4.0 ug/L 11/13/24 15:46 CR B)

General Chemistry - Potentially Dissolved

Client Sample ID: OUTFALL-001 Lab Sample ID: 280-199519-1 Date Collected: 11/13/24 12:30 **Matrix: Water**

Date Received: 11/13/24 14:40

Analyte Result Qualifier RL **MDL** Unit D Prepared Analyzed Dil Fac 20 Chromium, trivalent (dissolved) ND 20 ug/L 11/22/24 14:13

(SM3500 CR B)

Eurofins Denver

11/27/2024

Matrix: Water

Client: Grand Island Resources Job ID: 280-199519-1 Project/Site: Nederland, CO

Method: 200.7 Rev 4.4 - Metals (ICP)

Lab Sample ID: MB 280-676550/1-A

Matrix: Water

Analysis Batch: 676781

Client Sample ID: Method Blank **Prep Type: Total Recoverable**

Prep Batch: 676550

Result Qualifier RL **MDL** Unit Analyzed Dil Fac Analyte D Prepared 100 Iron ND 9.1 ug/L 11/26/24 07:54 11/27/24 00:47

Lab Sample ID: LCS 280-676550/2-A

Matrix: Water

Analysis Batch: 676781

MB MB

Client Sample ID: Lab Control Sample **Prep Type: Total Recoverable**

Prep Batch: 676550

Prep Batch: 674978

Spike LCS LCS %Rec Added Result Qualifier D %Rec Limits Analyte Unit 10000 85 - 115 Iron 10800 ug/L 108

Method: 200.8 - Metals (ICP/MS)

Lab Sample ID: MB 280-674978/1-A Client Sample ID: Method Blank **Matrix: Water**

Analysis Batch: 675259

Prep Type: Total Recoverable Prep Batch: 674978

MB MB Result Qualifier RL **MDL** Unit D Dil Fac Analyte Prepared Analyzed Arsenic ND 5.0 0.50 ug/L 11/14/24 08:17 11/15/24 09:08 Cadmium ND 1.0 0.19 ug/L 11/14/24 08:17 11/15/24 09:08 ND 0.50 ug/L Chromium 3.0 11/14/24 08:17 11/15/24 09:08 Copper ND 2.0 0.71 ug/L 11/14/24 08:17 11/15/24 09:08 ND 0.23 ug/L 11/14/24 08:17 11/15/24 09:08 Lead 1.0

Lab Sample ID: MB 280-674978/1-A Client Sample ID: Method Blank **Matrix: Water Prep Type: Total Recoverable**

Analysis Batch: 675443

MB MB

RL **MDL** Unit Dil Fac Analyte Result Qualifier Prepared Analyzed Zinc ND 10 2.0 ug/L 11/14/24 08:17 11/15/24 15:27

Lab Sample ID: LCS 280-674978/25-A

Matrix: Water

Analysis Batch: 675259

Client Sample ID: Lab Control Sample Prep Type: Total Recoverable Prep Batch: 674978

Spike LCS LCS %Rec **Analyte** Added Result Qualifier Unit %Rec Limits Arsenic 40.0 41.4 ug/L 103 89 - 111 40.0 39.8 Cadmium ug/L 99 89 - 111 Chromium 40.0 40.0 ug/L 100 86 - 115 40.0 ug/L 103 90 - 115 Copper 412 Lead 40.0 38.5 ug/L 96 88 - 115

Lab Sample ID: LCS 280-674978/25-A

Matrix: Water

Analysis Batch: 675443

Client Sample ID: Lab Control Sample Prep Type: Total Recoverable Prep Batch: 674978

Spike LCS LCS %Rec Added Analyte Result Qualifier Unit %Rec Limits Zinc 40.0 40.7 88 - 115 ug/L 102

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Job ID: 280-199519-1

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

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

Lab Sample ID: 280-199519-1 MS

Matrix: Water

Analysis Batch: 675259

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

Prep Batch: 674978

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Arsenic	ND		40.0	39.6		ug/L		99	79 - 120	
Cadmium	ND		40.0	39.4		ug/L		98	89 - 111	
Chromium	ND		40.0	39.5		ug/L		99	86 - 115	
Copper	1.0	J	40.0	40.2		ug/L		98	90 - 115	
Lead	0.65	J	40.0	39.5		ug/L		97	88 - 115	

Lab Sample ID: 280-199519-1 MS

Matrix: Water

Analysis Batch: 675443

3			Client Sample ID: OUTFALL-001
			Prep Type: Total Recoverable
			Prep Batch: 674978
ample Sample	Snika	Me Me	0/ Pag

Sample Sample %Rec Analyte Result Qualifier Added Result Qualifier Unit D %Rec Limits Zinc 26 F1 40.0 60.5 F1 ug/L 87 88 - 115

Lab Sample ID: 280-199519-1 MSD

Matrix: Water

Analysis Batch: 675259

Prep Type: Total Recoverable

Prep Batch: 674978

Client Sample ID: OUTFALL-001

-	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Arsenic	ND		40.0	40.3		ug/L		101	79 - 120	2	20
Cadmium	ND		40.0	39.8		ug/L		100	89 - 111	1	20
Chromium	ND		40.0	38.9		ug/L		97	86 - 115	2	20
Copper	1.0	J	40.0	39.6		ug/L		97	90 - 115	2	20
Lead	0.65	J	40.0	39.3		ug/L		97	88 - 115	0	20

Lab Sample ID: 280-199519-1 MSD

Matrix: Water

Analyte Zinc

Analysis Batch:

							Prep Type: Total Recove						
675443									Prep Ba	itch: 67	4978		
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD		
	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit		
	26	F1	40 0	65.9		ua/l		101	88 - 115	9	20		

Lab Sample ID: MB 280-675187/1-B

Matrix: Water

Analysis Batch: 675605

Client Sample ID: Method Blank Prep Type: Potentially Dissolved

Client Sample ID: OUTFALL-001

Prep Batch: 675188

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		5.0	0.50	ug/L		11/18/24 08:31	11/18/24 21:21	1
Cadmium	ND		1.0	0.19	ug/L		11/18/24 08:31	11/18/24 21:21	1
Chromium	ND		3.0	0.50	ug/L		11/18/24 08:31	11/18/24 21:21	1
Copper	ND		2.0	0.71	ug/L		11/18/24 08:31	11/18/24 21:21	1
Lead	ND		1.0	0.23	ug/L		11/18/24 08:31	11/18/24 21:21	1
Manganese	ND		3.0	0.51	ug/L		11/18/24 08:31	11/18/24 21:21	1
Nickel	ND		3.0	0.83	ug/L		11/18/24 08:31	11/18/24 21:21	1
Selenium	ND		5.0	1.0	ug/L		11/18/24 08:31	11/18/24 21:21	1
Silver	ND		0.50	0.045	ug/L		11/18/24 08:31	11/18/24 21:21	1
Zinc	ND		10	2.0	ug/L		11/18/24 08:31	11/18/24 21:21	1

Client: Grand Island Resources Job ID: 280-199519-1

Project/Site: Nederland, CO

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

Lab Sample ID: LCS 280-675187/14-B

Matrix: Water

Analysis Batch: 675605

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

Prep Batch: 675188

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Arsenic	40.0	38.8		ug/L		97	89 - 111	
Cadmium	40.0	40.4		ug/L		101	89 - 111	
Chromium	40.0	37.8		ug/L		94	86 - 115	
Copper	40.0	38.7		ug/L		97	90 - 115	
Lead	40.0	37.0		ug/L		93	88 - 115	
Manganese	40.0	37.5		ug/L		94	87 - 115	
Nickel	40.0	38.4		ug/L		96	86 - 115	
Selenium	40.0	39.7		ug/L		99	85 - 114	
Silver	40.0	40.4		ug/L		101	90 - 114	
Zinc	40.0	42.0		ug/L		105	88 - 115	

Lab Sample ID: 280-199519-1 MS

Matrix: Water

Analysis Batch: 675605

Client Sample ID: OUTFALL-001

Prep Type: Potentially Dissolved

Prep Batch: 675188

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	Sample	Sample	Spike	MS	MS				%Rec
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits
Arsenic	ND		40.0	39.0		ug/L		97	79 - 120
Cadmium	ND		40.0	39.4		ug/L		98	89 - 111
Chromium	ND		40.0	37.0		ug/L		93	86 - 115
Copper	ND		40.0	38.5		ug/L		96	90 - 115
Lead	0.67	J	40.0	39.0		ug/L		96	88 - 115
Manganese	ND		40.0	36.7		ug/L		92	87 - 115
Nickel	ND		40.0	38.0		ug/L		95	86 - 115
Selenium	ND		40.0	38.4		ug/L		96	85 - 114
Silver	ND		40.0	39.0		ug/L		98	70 - 130
Zinc	27		40.0	65.3		ug/L		97	88 - 115

Lab Sample ID: 280-199519-1 MSD

Matrix: Water

Analysis Batch: 675605

Client Sample ID: OUTFALL-001 Prep Type: Potentially Dissolved Pron Batch: 675188

Analysis Batch: 675605		_							Prep Ba	itcn: 6	5188
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Arsenic	ND		40.0	38.3		ug/L		96	79 - 120	2	20
Cadmium	ND		40.0	40.2		ug/L		101	89 - 111	2	20
Chromium	ND		40.0	36.9		ug/L		92	86 - 115	0	20
Copper	ND		40.0	38.3		ug/L		96	90 - 115	0	20
Lead	0.67	J	40.0	38.5		ug/L		94	88 - 115	1	20
Manganese	ND		40.0	36.4		ug/L		91	87 - 115	1	20
Nickel	ND		40.0	37.9		ug/L		95	86 - 115	0	20
Selenium	ND		40.0	38.3		ug/L		96	85 - 114	0	20
Silver	ND		40.0	39.8		ug/L		100	70 - 130	2	20
Zinc	27		40.0	66.7		ug/L		100	88 - 115	2	20

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Client: Grand Island Resources Job ID: 280-199519-1

Project/Site: Nederland, CO

Method: 245.1 - Mercury (CVAA)

Lab Sample ID: MB 280-676183/1-A Client Sample ID: Method Blank

Matrix: Water

Analysis Batch: 676567

MB MB

Result Qualifier RL **MDL** Unit Analyzed Dil Fac Analyte Prepared Mercury 0.20 11/22/24 09:40 11/22/24 15:24 ND 0.061 ug/L

Lab Sample ID: LCS 280-676183/2-A **Client Sample ID: Lab Control Sample Matrix: Water** Prep Type: Total/NA

Analysis Batch: 676567

Spike

LCS LCS %Rec Analyte Added Result Qualifier D %Rec Limits Unit 5.00 5.03 90 - 110 Mercury ug/L 101

Method: SM 2510B - Conductivity, Specific Conductance

Lab Sample ID: MB 280-675568/4 Client Sample ID: Method Blank Prep Type: Total/NA

Matrix: Water

Analysis Batch: 675568

MB MB

Result Qualifier RL **MDL** Unit Dil Fac Analyte Prepared Analyzed 2.0 Specific Conductance ND 2.0 umhos/cm 11/18/24 16:36

Lab Sample ID: LCS 280-675568/3 **Client Sample ID: Lab Control Sample** Prep Type: Total/NA

Matrix: Water

Analysis Batch: 675568

LCS LCS Spike %Rec Added Analyte Result Qualifier Unit %Rec Limits Specific Conductance 1410 1430 umhos/cm 102 90 - 110

Lab Sample ID: 280-199519-1 DU Client Sample ID: OUTFALL-001 Prep Type: Total/NA

Matrix: Water

Analysis Batch: 675568

DU DU **RPD** Sample Sample Analyte Result Qualifier Result Qualifier Unit **RPD** Limit Specific Conductance 238 umhos/cm

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

Lab Sample ID: MB 280-675707/1 Client Sample ID: Method Blank Prep Type: Total/NA

Matrix: Water

Analysis Batch: 675707

MB MB

Result Qualifier RL **MDL** Unit Prepared Analyzed Total Suspended Solids $\overline{\mathsf{ND}}$ 4.0 1.1 mg/L 11/19/24 12:49

Client Sample ID: Lab Control Sample Lab Sample ID: LCS 280-675707/2 Prep Type: Total/NA

Matrix: Water

Analysis Batch: 675707

LCS LCS Spike %Rec Added Result Qualifier Limits Unit %Rec Total Suspended Solids 505 424 mg/L 84 79 - 114

Eurofins Denver

Prep Type: Total/NA

Prep Batch: 676183

Prep Batch: 676183

Client: Grand Island Resources Job ID: 280-199519-1 Project/Site: Nederland, CO

Method: SM 3500 CR B - Chromium, Hexavalent

Lab Sample ID: MB 280-674968/3-A Client Sample ID: Method Blank **Prep Type: Dissolved**

Matrix: Water

Analysis Batch: 674984

MB MB

Result Qualifier RL **MDL** Unit Dil Fac Analyte Prepared Analyzed 20 11/13/24 15:43 Chromium, hexavalent ND 4.0 ug/L

Lab Sample ID: LCS 280-674968/1-A **Client Sample ID: Lab Control Sample Matrix: Water Prep Type: Dissolved**

Analysis Batch: 674984

Spike LCS LCS %Rec Added Result Qualifier D %Rec Limits Analyte Unit 100 98.3 Chromium, hexavalent ug/L 98 91 - 112

Lab Sample ID: LCSD 280-674968/2-A Client Sample ID: Lab Control Sample Dup **Matrix: Water Prep Type: Dissolved**

Analysis Batch: 674984

Spike LCSD LCSD %Rec **RPD** Result Qualifier Limits **RPD** Analyte Added Unit %Rec Limit Chromium, hexavalent 100 101 20 ug/L 91 - 112

Method: SM 4500 H+ B - pH

Lab Sample ID: LCS 280-675123/4 **Client Sample ID: Lab Control Sample** Prep Type: Total/NA

Matrix: Water

Analysis Batch: 675123

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

Method: SM 4500 S2 D - Sulfide, Total

Lab Sample ID: MB 280-675581/11 Client Sample ID: Method Blank Prep Type: Total/NA

Matrix: Water

Analysis Batch: 675581

MB MB

Analyte Result Qualifier RL **MDL** Unit Prepared Analyzed Dil Fac Sulfide ND 0.050 0.022 mg/L 11/18/24 17:02

Lab Sample ID: LCS 280-675581/9 **Client Sample ID: Lab Control Sample**

Matrix: Water Prep Type: Total/NA

Analysis Batch: 675581

Spike LCS LCS %Rec Analyte Added Result Qualifier %Rec Limits Unit Sulfide 0.502 0.494 mg/L 81 - 122

Lab Sample ID: LCSD 280-675581/10 **Client Sample ID: Lab Control Sample Dup Matrix: Water Prep Type: Total/NA**

Analysis Batch: 675581

LCSD LCSD **RPD** Spike %Rec Added Limits Analyte Result Qualifier Unit %Rec Limit Sulfide 0.502 0.510 102 81 - 122 mg/L

Eurofins Denver

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

Job ID: 280-199519-1

Metals

Prep Batch: 674978

Lab Sample ID 280-199519-1	OUTFALL-001	Prep Type Total Recoverable	Matrix Water	Method 200.8	Prep Batch
MB 280-674978/1-A	Method Blank	Total Recoverable	Water	200.8	
LCS 280-674978/25-A	Lab Control Sample	Total Recoverable	Water	200.8	
280-199519-1 MS	OUTFALL-001	Total Recoverable	Water	200.8	
280-199519-1 MSD	OUTFALL-001	Total Recoverable	Water	200.8	

Filtration Batch: 675097

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-199519-1	OUTFALL-001	Potentially Dissolved	Water	Poten_Diss_Met	
280-199519-1 MS	OUTFALL-001	Potentially Dissolved	Water	Poten_Diss_Met	
280-199519-1 MSD	OUTFALL-001	Potentially Dissolved	Water	Poten_Diss_Met	

Filtration Batch: 675187

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 280-675187/1-B	Method Blank	Potentially Dissolved	Water	Filtration	
LCS 280-675187/14-B	Lab Control Sample	Potentially Dissolved	Water	Filtration	

Prep Batch: 675188

Lab Sample ID 280-199519-1	Client Sample ID OUTFALL-001	Prep Type Potentially Dissolved	Matrix Water	Method 200.8	Prep Batch 675097
MB 280-675187/1-B	Method Blank	Potentially Dissolved	Water	200.8	675187
LCS 280-675187/14-B	Lab Control Sample	Potentially Dissolved	Water	200.8	675187
280-199519-1 MS	OUTFALL-001	Potentially Dissolved	Water	200.8	675097
280-199519-1 MSD	OUTFALL-001	Potentially Dissolvec	Water	200.8	675097

Analysis Batch: 675259

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-199519-1	OUTFALL-001	Total Recoverable	Water	200.8	674978
MB 280-674978/1-A	Method Blank	Total Recoverable	Water	200.8	674978
LCS 280-674978/25-A	Lab Control Sample	Total Recoverable	Water	200.8	674978
280-199519-1 MS	OUTFALL-001	Total Recoverable	Water	200.8	674978
280-199519-1 MSD	OUTFALL-001	Total Recoverable	Water	200.8	674978

Analysis Batch: 675443

Lab Sample ID 280-199519-1	OUTFALL-001	Prep Type Total Recoverable	Matrix Water	Method 200.8	Prep Batch 674978
MB 280-674978/1-A	Method Blank	Total Recoverable	Water	200.8	674978
LCS 280-674978/25-A	Lab Control Sample	Total Recoverable	Water	200.8	674978
280-199519-1 MS	OUTFALL-001	Total Recoverable	Water	200.8	674978
280-199519-1 MSD	OUTFALL-001	Total Recoverable	Water	200.8	674978

Analysis Batch: 675605

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-199519-1	OUTFALL-001	Potentially Dissolved	Water	200.8	675188
MB 280-675187/1-B	Method Blank	Potentially Dissolvec	Water	200.8	675188
LCS 280-675187/14-B	Lab Control Sample	Potentially Dissolvec	Water	200.8	675188
280-199519-1 MS	OUTFALL-001	Potentially Dissolvec	Water	200.8	675188
280-199519-1 MSD	OUTFALL-001	Potentially Dissolvec	Water	200.8	675188

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11/27/2024

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

Job ID: 280-199519-1

Metals

Prep Batch: 676183

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-199519-1	OUTFALL-001	Total/NA	Water	245.1	
MB 280-676183/1-A	Method Blank	Total/NA	Water	245.1	
LCS 280-676183/2-A	Lab Control Sample	Total/NA	Water	245.1	

Prep Batch: 676550

Lab Sample ID 280-199519-1	Client Sample ID OUTFALL-001	Prep Type Total Recoverable	Matrix Water	Method 200.7	Prep Batch
MB 280-676550/1-A	Method Blank	Total Recoverable	Water	200.7	
LCS 280-676550/2-A	Lab Control Sample	Total Recoverable	Water	200.7	

Analysis Batch: 676567

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-199519-1	OUTFALL-001	Total/NA	Water	245.1	676183
MB 280-676183/1-A	Method Blank	Total/NA	Water	245.1	676183
LCS 280-676183/2-A	Lab Control Sample	Total/NA	Water	245.1	676183

Analysis Batch: 676781

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-199519-1	OUTFALL-001	Total Recoverable	Water	200.7 Rev 4.4	676550
MB 280-676550/1-A	Method Blank	Total Recoverable	Water	200.7 Rev 4.4	676550
LCS 280-676550/2-A	Lab Control Sample	Total Recoverable	Water	200.7 Rev 4.4	676550

General Chemistry

Filtration Batch: 674968

Lab Sample ID 280-199519-1	Client Sample ID OUTFALL-001	Prep Type Dissolved	Matrix Water	Method FILTRATION	Prep Batch
MB 280-674968/3-A	Method Blank	Dissolved	Water	FILTRATION	
LCS 280-674968/1-A	Lab Control Sample	Dissolved	Water	FILTRATION	
LCSD 280-674968/2-A	Lab Control Sample Dup	Dissolved	Water	FILTRATION	

Analysis Batch: 674984

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-199519-1	OUTFALL-001	Dissolved	Water	SM 3500 CR B	674968
MB 280-674968/3-A	Method Blank	Dissolved	Water	SM 3500 CR B	674968
LCS 280-674968/1-A	Lab Control Sample	Dissolved	Water	SM 3500 CR B	674968
LCSD 280-674968/2-A	Lab Control Sample Dup	Dissolved	Water	SM 3500 CR B	674968

Analysis Batch: 675123

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-199519-1	OUTFALL-001	Total/NA	Water	SM 4500 H+ B	
LCS 280-675123/4	Lab Control Sample	Total/NA	Water	SM 4500 H+ B	

Analysis Batch: 675147

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-199519-1	OUTFALL-001	Total/NA	Water	SM4500 S2 H	

Analysis Batch: 675568

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-199519-1	OUTFALL-001	Total/NA	Water	SM 2510B	
MB 280-675568/4	Method Blank	Total/NA	Water	SM 2510B	

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11/27/2024

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Client: Grand Island Resources Project/Site: Nederland, CO Job ID: 280-199519-1

General Chemistry (Continued)

Analysis Batch: 675568 (Continued)

	Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
	LCS 280-675568/3	Lab Control Sample	Total/NA	Water	SM 2510B	
l	280-199519-1 DU	OUTFALL-001	Total/NA	Water	SM 2510B	

Analysis Batch: 675581

Lab Sample ID 280-199519-1	Client Sample ID OUTFALL-001	Prep Type Total/NA	Matrix Water	Method Prep Bato	h
MB 280-675581/11	Method Blank	Total/NA	Water	SM 4500 S2 D	
LCS 280-675581/9	Lab Control Sample	Total/NA	Water	SM 4500 S2 D	
LCSD 280-675581/10	Lab Control Sample Dup	Total/NA	Water	SM 4500 S2 D	

Analysis Batch: 675707

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-199519-1	OUTFALL-001	Total/NA	Water	SM 2540D	
MB 280-675707/1	Method Blank	Total/NA	Water	SM 2540D	
LCS 280-675707/2	Lab Control Sample	Total/NA	Water	SM 2540D	

Analysis Batch: 676305

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-199519-1	OUTFALL-001	Potentially Dissolved	Water	SM3500 CR B	
280-199519-1	OUTFALL-001	Total Recoverable	Water	SM3500 CR B	

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Lab Chronicle

Client: Grand Island Resources Job ID: 280-199519-1 Project/Site: Nederland, CO

Client Sample ID: OUTFALL-001

Lab Sample ID: 280-199519-1 Date Collected: 11/13/24 12:30 **Matrix: Water** Date Received: 11/13/24 14:40

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total Recoverable	Prep	200.7			50 mL	50 mL	676550	11/26/24 07:54	SMK	EET DEN
Total Recoverable	Analysis	200.7 Rev 4.4		1			676781	11/27/24 01:10	ADL	EET DEN
Potentially Dissolved	Filtration	Poten_Diss_Met			200 mL	200 mL	675097	11/14/24 10:01	KLG	EET DEN
Potentially Dissolved	Prep	200.8			50 mL	50 mL	675188	11/18/24 08:31	SMK	EET DEN
Potentially Dissolvec	Analysis	200.8		1			675605	11/18/24 22:01	LMT	EET DEN
Total Recoverable	Prep	200.8			50 mL	50 mL	674978	11/14/24 08:17	SMK	EET DEN
Total Recoverable	Analysis	200.8		1			675443	11/15/24 15:44	LMT	EET DEN
Total Recoverable	Prep	200.8			50 mL	50 mL	674978	11/14/24 08:17	SMK	EET DEN
Total Recoverable	Analysis	200.8		1			675259	11/15/24 09:13	LMT	EET DEN
Total/NA	Prep	245.1			30 mL	50 mL	676183	11/22/24 09:40	AES	EET DEN
Total/NA	Analysis	245.1		1			676567	11/22/24 16:33	CAF	EET DEN
Total/NA	Analysis	SM 2510B		1			675568	11/18/24 16:36	EL	EET DEN
Total/NA	Analysis	SM 2540D		1	250 mL	250 mL	675707	11/19/24 12:49	BRD	EET DEN
Dissolved	Filtration	FILTRATION			1.0 mL	1.0 mL	674968	11/13/24 15:27	ABW	EET DEN
Dissolved	Analysis	SM 3500 CR B		1	2 mL	2 mL	674984	11/13/24 15:46	ABW	EET DEN
Total/NA	Analysis	SM 4500 H+ B		1			675123	11/14/24 12:42	EL	EET DEN
Total/NA	Analysis	SM 4500 S2 D		1	2 mL	2 mL	675581	11/18/24 17:05	ABW	EET DEN
Potentially Dissolved	Analysis	SM3500 CR B		1			676305	11/22/24 14:13	RMS	EET DEN
Total Recoverable	Analysis	SM3500 CR B		1			676305	11/22/24 14:13	RMS	EET DEN
Total/NA	Analysis	SM4500 S2 H		1			675147	11/14/24 14:43	SAH	EET DEN

Laboratory References:

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

Accreditation/Certification Summary

Client: Grand Island Resources Project/Site: Nederland, CO Job ID: 280-199519-1

Laboratory: Eurofins Denver

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

Authority Oregon	Progr NELA		Identification Number 4025	Expiration Date 01-08-25
,	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 (disse	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	fido

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

Phone (303) 736-0100 Phone (303) 431-7171											
Client Information	Sampler:	chen La	200	Lab PM Bienit	Lab PM: Bieniulis, Dylan T	<u> </u>		Carrier tracking No(s);	(ing No(s):	8W 3A3	
Client Contact: John Rinko	Phone 720	06497	22Ł	E-Mail: Dylan	Bieniulis@	E-Mait: Dylan.Bieniulis@et.eurofinsus.com	us.com	State of Origin:	iù:	Page.	
Çempany Grand Island Resources			PWSID;				.8	Requested		Jeb#.	
Address 12567 West Cedar Drive Suite 110	Due Date Requested:	:pe			三		pue	цյиоц		Preservation Codes:	
Gity Lakewood	TAT Requested (days)	ays);			Ť		(ABIL		niib	B - NaOH G - Zn Acetate	
Slate, Zip CQ, 80228	Compliance Project:	∆ Yeş	∆ No		. / i		II7 8A.			U - Narge Acid	
Phone (303) 601-9230	P⊙#				2000		it Cr ((L			G = Amehler H = Asserbic	
Email⁺ johnrinko@yahoo.com	₩ O ₩				STREET, SQUARE, STREET, ST		avalen ant Cr				
Project Name. Nederland, CQ	Project #: 28022821				ACCOMPANIES FOR STATE		xsH be lisvinT bns sk			Name and Address of the Owner, where the Owner, which is the Ow	W = BH 4-3 Z = Biher (specify)
Site. First half of the month event	\$\$OM#				ASSESSMENT AND ADDRESS OF THE PARTY OF THE P		vlossi bevlos			of berg	
		Sample	-	II	benehii7, blai N2M, mnohe	F10B - Specifi	ydrogen Sulfi 000 CR_B-D 500 CR_B-D 500 CR_B-D	sitneto9 8.00 (feilltimne (8.00\$. 1.00	lercury (First i	edimulifilisto	o o o o o o o o o o o o o o o o o o o
ample identification Page 19	Sample Date	e E	Preservation Code:	3		d	s O	ď		100. 1	al manucinens/note.
SO I MAL O	11113/24	17:30	(5)	T	72	×	X		 >	*First half of	the month potentially dissolv
	1017:11	2		2	,	1					metas permi list = £55.8 (73, 54, 51, 59, Pb, Mn, Ni, Se, Ag, Zn)
of 23	1									*First half of metals perm Cd, Cr, Cu, F	First half of the month total recoverable metals permit list ≡ 200.7 (Fe), 200.8 (As, Cd, Cr, Cu, Pb, Zn), and 245.1 (Hg)
					Address Co.						
										Temp = S	7,7
						280-199	280-199519 Chain of Custody	Clistody		Oherando	Ohserved visible sheen or floating oil?
						-		Casiony		Yes //No	//No (pircle one)
										* If oil sheen sampling for	* If oil sheen observed in discharge, sampling for Oil&Grease required.
Dona it lattle and I don title a stine						70000		7000000	- de co	e are retained lancar than t month	than t month)
Non-Hazard Flammable Skin Irritant Poi	Poíson B	Unknown	Radiological			Return To Client	ient	Return To Client Disposal By Lab	n sampie V Lab	Archive For	/ Months
pested					Special	Instruction	Special Instructions/QC Requirements:	ements:			
Empty Kit Relinquished by:		Date:			Time:			Metho	Method of Shipment:		
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Custody Seals Intact: Custody Seal No.:} A Yes Δ No					Ceole	ar Temperatur	Cooler Temperature(s) % and Other Remarks:	ner Remarks: - P	5.50 RABU (CF03	
					14	13	11	9	8	5	6102/61/18 3 4

Client: Grand Island Resources Job Number: 280-199519-1

Login Number: 199519 List Source: Eurofins Denver

List Number: 1

Creator: Naylis, Patrick J

oreator. Wayns, Fatrick 3		
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	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Brooke Molson Moran Grand Island Resources 12567 West Cedar Road Suite 110 Lakewood, Colorado 80228 Generated 12/6/2024 11:04:16 AM

JOB DESCRIPTION

Nederland, CO

JOB NUMBER

280-200072-1

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

Generated 12/6/2024 11:04:16 AM

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

Job ID: 280-200072-1

Project/Site: Nederland, CO

Qualifiers

Metals

J Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation These commonly used abbreviations may or may not be present in this report.

Listed under the "D" column to designate that the result is reported on a dry weight basis

%R Percent Recovery
CFL Contains Free Liquid
CFU Colony Forming Unit
CNF Contains No Free Liquid

DER Duplicate Error Ratio (normalized absolute difference)

Dil Fac Dilution Factor

DL Detection Limit (DoD/DOE)

DL, RA, RE, IN Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample

DLC Decision Level Concentration (Radiochemistry)

EDL Estimated Detection Limit (Dioxin)

LOD Limit of Detection (DoD/DOE)

LOQ Limit of Quantitation (DoD/DOE)

MCL EPA recommended "Maximum Contaminant Level"

MDA Minimum Detectable Activity (Radiochemistry)

MDC Minimum Detectable Concentration (Radiochemistry)

MDL Method Detection Limit
ML Minimum Level (Dioxin)
MPN Most Probable Number
MQL Method Quantitation Limit

NC Not Calculated

ND Not Detected at the reporting limit (or MDL or EDL if shown)

NEG Negative / Absent
POS Positive / Present

PQL Practical Quantitation Limit

PRES Presumptive QC Quality Control

RER Relative Error Ratio (Radiochemistry)

RL Reporting Limit or Requested Limit (Radiochemistry)

RPD Relative Percent Difference, a measure of the relative difference between two points

TEF Toxicity Equivalent Factor (Dioxin)
TEQ Toxicity Equivalent Quotient (Dioxin)

TNTC Too Numerous To Count

Eurofins Denver

12/6/2024

Case Narrative

Client: Grand Island Resources

Project: Nederland, CO

Job ID: 280-200072-1 Eurofins Denver

Job Narrative 280-200072-1

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 11/25/2024 12:55 PM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.3°C.

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

Sample OUTFALL-001 (280-200072-1) was analyzed for Metals (ICP/MS) - Potentially Dissolved. The sample was prepared on 11/27/2024 and analyzed on 12/2/2024 and 12/4/2024.

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

Sample OUTFALL-001 (280-200072-1) was analyzed for Metals (ICP/MS) - Total Recoverable. The sample was prepared and analyzed on 11/27/2024.

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Job ID: 280-200072-1

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Detection Summary

Client: Grand Island Resources

Job ID: 280-200072-1

Project/Site: Nederland, CO

Client Sample ID: OUTFALL-001

Lab Sample ID: 280-200072-1

Analyte	Result Qualifier	RL	MDL	Unit	Dil Fac	D I	Method	Prep Type
Lead	1.1	1.0	0.23	ug/L	1	_ 2	200.8	Total
								Recoverable
Lead	0.99 J	1.0	0.23	ug/L	1	2	200.8	Potentially
								Dissolved
Zinc	22	10	2.0	ug/L	1	2	200.8	Potentially
								Dissolved

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Method Summary

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

Job ID: 280-200072-1

Method	Method Description	Protocol	Laboratory
200.8	Metals (ICP/MS)	EPA	EET DEN
200.8	Preparation, Total Recoverable Metals	EPA	EET DEN
Poten_Diss_Met	Filtration for Potentially Dissolved Metals	EPA	EET DEN

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

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

Sample Summary

Client: Grand Island Resources Project/Site: Nederland, CO Job ID: 280-200072-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
280-200072-1	OUTFALL-001	Water	11/25/24 11:00	11/25/24 12:55

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Client Sample Results

Client: Grand Island Resources

Job ID: 280-200072-1

Project/Site: Nederland, CO

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

Client Sample ID: OUTFALL-001 Lab Sample ID: 280-200072-1
Date Collected: 11/25/24 11:00 Matrix: Water

Date Received: 11/25/24 12:55

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	ND		2.0	0.71	ug/L		11/27/24 07:52	11/27/24 21:15	1
Lead	1.1		1.0	0.23	ug/L		11/27/24 07:52	11/27/24 21:15	1

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

Client Sample ID: OUTFALL-001	Lab Sample ID: 280-200072-1
Date Collected: 11/25/24 11:00	Matrix: Water

	ed: 11/25/24 11:00 ed: 11/25/24 12:55							Matrix	Water
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	ND		1.0	0.19	ug/L		11/27/24 14:54	12/02/24 23:51	1
Copper	ND		2.0	0.71	ug/L		11/27/24 14:54	12/02/24 23:51	1
Lead	0.99	J	1.0	0.23	ug/L		11/27/24 14:54	12/02/24 23:51	1
Silver	ND		0.50	0.045	ug/L		11/27/24 14:54	12/02/24 23:51	1
Zinc	22		10	2.0	ug/L		11/27/24 14:54	12/02/24 23:51	1

12/6/2024

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QC Sample Results

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

Job ID: 280-200072-1

Method: 200.8 - Metals (ICP/MS)

Lab Sample ID: MB 280-676738/1-A

Matrix: Water

Analysis Batch: 677025

Client Sample ID: Method Blank Prep Type: Total Recoverable

Prep Batch: 676738

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	ND		2.0	0.71	ug/L		11/27/24 07:52	11/27/24 20:58	1
Lead	ND		1.0	0.23	ug/L		11/27/24 07:52	11/27/24 20:58	1

MB MB

Lab Sample ID: LCS 280-676738/2-A

Matrix: Water

Analysis Batch: 677025

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

Prep Batch: 676738

Spike LCS LCS %Rec Added Analyte Result Qualifier Unit D %Rec Limits 90 - 115 Copper 40.0 40.4 ug/L 101 40.0 41.2 ug/L 103 88 - 115 Lead

Lab Sample ID: MB 280-676652/1-B

Matrix: Water

Analysis Batch: 677116

Client Sample ID: Method Blank

Prep Type: Potentially Dissolved Prep Batch: 676654

MB MB Result Qualifier RL **MDL** Unit Analyte Prepared Analyzed Dil Fac Cadmium ND 1.0 0.19 ug/L 11/27/24 14:54 12/02/24 23:30 ND 2.0 0.71 ug/L 11/27/24 14:54 12/02/24 23:30 Copper Lead ND 1.0 0.23 ug/L 11/27/24 14:54 12/02/24 23:30 Silver ND 0.50 0.045 ug/L 11/27/24 14:54 12/02/24 23:30 Zinc 2.0 ug/L 11/27/24 14:54 12/02/24 23:30 ND 10

Lab Sample ID: LCS 280-676652/22-B

Matrix: Water

Analysis Batch: 677116

Client Sample ID: Lab Control Sample Prep Type: Potentially Dissolved Prep Batch: 676654

-	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Cadmium	40.0	38.4		ug/L		96	89 - 111	
Copper	40.0	39.2		ug/L		98	90 - 115	
Lead	40.0	37.5		ug/L		94	88 - 115	
Silver	40.0	38.3		ug/L		96	90 - 114	
7inc	40 O	40.9		ua/l		102	88 115	

Eurofins Denver

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

Job ID: 280-200072-1

Metals

Filtration	Batch:	676551
-------------------	--------	--------

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-200072-1	OUTFALL-001	Potentially Dissolved	Water	Poten_Diss_Met	

Filtration Batch: 676652

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 280-676652/1-B	Method Blank	Potentially Dissolved	Water	Filtration	
LCS 280-676652/22-B	Lab Control Sample	Potentially Dissolved	Water	Filtration	

Prep Batch: 676654

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method I	Prep Batch
280-200072-1	OUTFALL-001	Potentially Dissolved	Water	200.8	676551
MB 280-676652/1-B	Method Blank	Potentially Dissolved	Water	200.8	676652
LCS 280-676652/22-B	Lab Control Sample	Potentially Dissolvec	Water	200.8	676652

Prep Batch: 676738

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-200072-1	OUTFALL-001	Total Recoverable	Water	200.8	
MB 280-676738/1-A	Method Blank	Total Recoverable	Water	200.8	
LCS 280-676738/2-A	Lab Control Sample	Total Recoverable	Water	200.8	

Analysis Batch: 677025

Lab Sample ID 280-200072-1	Client Sample ID OUTFALL-001	Prep Type Total Recoverable	Matrix Water	Method 200.8	Prep Batch 676738
MB 280-676738/1-A	Method Blank	Total Recoverable	Water	200.8	676738
LCS 280-676738/2-A	Lab Control Sample	Total Recoverable	Water	200.8	676738

Analysis Batch: 677116

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method P	rep Batch
280-200072-1	OUTFALL-001	Potentially Dissolved	Water	200.8	676654
MB 280-676652/1-B	Method Blank	Potentially Dissolved	Water	200.8	676654
LCS 280-676652/22-B	Lab Control Sample	Potentially Dissolvec	Water	200.8	676654

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Lab Chronicle

Client: Grand Island Resources Job ID: 280-200072-1

Project/Site: Nederland, CO

Client Sample ID: OUTFALL-001 Lab Sample ID: 280-200072-1

Date Collected: 11/25/24 11:00 **Matrix: Water** Date Received: 11/25/24 12:55

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Potentially Dissolved	Filtration	Poten_Diss_Met			250 mL	250 mL	676551	11/25/24 14:10	KLG	EET DEN
Potentially Dissolved	Prep	200.8			50 mL	50 mL	676654	11/27/24 14:54	SLH	EET DEN
Potentially Dissolved	Analysis	200.8		1			677116	12/02/24 23:51	LMT	EET DEN
Total Recoverable	Prep	200.8			50 mL	50 mL	676738	11/27/24 07:52	SMK	EET DEN
Total Recoverable	Analysis	200.8		1			677025	11/27/24 21:15	LMT	EET DEN

Laboratory References:

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

Accreditation/Certification Summary

Client: Grand Island Resources

Job ID: 280-200072-1

Project/Site: Nederland, CO

Laboratory: Eurofins Denver

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Oregon	NELAP	4025	01-08-25

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Client: Grand Island Resources

List Source: Eurofins Denver

Job Number: 280-200072-1

Login Number: 200072 List Number: 1

Creator: Held, Wesley

Oreator. Held, Wesley		
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.	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	

APPENDIX B.3 DECEMBER 2024 OUTFALL-001 ANALYTICAL RESULTS

PREPARED FOR

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

JOB DESCRIPTION

Generated 12/16/2024 5:29:10 PM

Nederland, CO

JOB NUMBER

280-200315-1

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

12/16/2024 5:29:10 PM

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

Job ID: 280-200315-1

Project/Site: Nederland, CO

Qualifiers

M	eta	le
IVI	σιa	IJ

Qualifier Qualifier Description

B Compound was found in the blank and sample.

J Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier Qualifier Description

HF Parameter with a holding time of 15 minutes. Test performed by laboratory at client's request. Sample was analyzed outside of hold time.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
--------------	---

Listed under the "D" column to designate that the result is reported on a dry weight basis

%R Percent Recovery
CFL Contains Free Liquid
CFU Colony Forming Unit
CNF Contains No Free Liquid

DER Duplicate Error Ratio (normalized absolute difference)

Dil Fac Dilution Factor

DL Detection Limit (DoD/DOE)

DL, RA, RE, IN Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample

DLC Decision Level Concentration (Radiochemistry)

EDL Estimated Detection Limit (Dioxin)

LOD Limit of Detection (DoD/DOE)

LOQ Limit of Quantitation (DoD/DOE)

MCL EPA recommended "Maximum Contaminant Level"

MDA Minimum Detectable Activity (Radiochemistry)

MDC Minimum Detectable Concentration (Radiochemistry)

MDL Method Detection Limit
ML Minimum Level (Dioxin)
MPN Most Probable Number
MQL Method Quantitation Limit

NC Not Calculated

ND Not Detected at the reporting limit (or MDL or EDL if shown)

NEG Negative / Absent POS Positive / Present

PQL Practical Quantitation Limit

PRES Presumptive
QC Quality Control

RER Relative Error Ratio (Radiochemistry)

RL Reporting Limit or Requested Limit (Radiochemistry)

RPD Relative Percent Difference, a measure of the relative difference between two points

TEF Toxicity Equivalent Factor (Dioxin)
TEQ Toxicity Equivalent Quotient (Dioxin)

TNTC Too Numerous To Count

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Case Narrative

Client: Grand Island Resources

Project: Nederland, CO

Job ID: 280-200315-1 Eurofins Denver

Job Narrative 280-200315-1

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 12/4/2024 4:40 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 3.9°C.

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

Sample OUTFALL-001 (280-200315-1) was analyzed for Metals (ICP) - Total Recoverable. The sample was prepared on 12/6/2024 and analyzed on 12/9/2024 and 12/10/2024.

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

Sample OUTFALL-001 (280-200315-1) was analyzed for Metals (ICP/MS) - Potentially Dissolved. The sample was prepared on 12/9/2024 and analyzed on 12/10/2024.

The instrument blank for analytical batch 280-678001 had an absolute value greater than one-half the reporting limit (RL) for Manganese, and associated samples were not re-analyzed because they were >10x the blank. The data have been qualified and reported.

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

Sample OUTFALL-001 (280-200315-1) was analyzed for Metals (ICP/MS) - Total Recoverable. The sample was prepared on 12/6/2024 and analyzed on 12/11/2024.

Method 245.1 - Mercury (CVAA)

Sample OUTFALL-001 (280-200315-1) was analyzed for Mercury (CVAA). The sample was prepared and analyzed on 12/9/2024.

Method SM 2510B - Conductivity, Specific Conductance

Sample OUTFALL-001 (280-200315-1) was analyzed for Conductivity, Specific Conductance. The sample was analyzed on 12/5/2024.

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

Sample OUTFALL-001 (280-200315-1) was analyzed for Solids, Total Suspended (TSS). The sample was analyzed on 12/5/2024.

Method SM 3500 CR B - Chromium, Hexavalent - Dissolved

Sample OUTFALL-001 (280-200315-1) was analyzed for Chromium, Hexavalent - Dissolved. The sample was analyzed on 12/4/2024.

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Job ID: 280-200315-1

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Case Narrative

Client: Grand Island Resources

Project: Nederland, CO

Eurofins Denver

Job ID: 280-200315-1

Job ID: 280-200315-1 (Continued)

Method SM3500 CR B - Chromium, Trivalent - Potentially Dissolved

Sample OUTFALL-001 (280-200315-1) was analyzed for Chromium, Trivalent - Potentially Dissolved. The sample was analyzed on 12/10/2024 and 12/16/2024.

Method SM3500 CR B - Chromium, Trivalent - Total Recoverable

Sample OUTFALL-001 (280-200315-1) was analyzed for Chromium, Trivalent - Total Recoverable. The sample was analyzed on 12/16/2024.

Method SM 4500 H+ B - pH

Sample OUTFALL-001 (280-200315-1) was analyzed for pH. The sample was analyzed on 12/5/2024.

Method SM 4500 S2 D - Sulfide, Total

Sample OUTFALL-001 (280-200315-1) was analyzed for Sulfide, Total. The sample was analyzed on 12/10/2024.

Method SM4500 S2 H - Unionized Hydrogen Sulfide

Sample OUTFALL-001 (280-200315-1) was analyzed for Unionized Hydrogen Sulfide. The sample was analyzed on 12/5/2024.

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Detection Summary

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

Job ID: 280-200315-1

Client Sample ID: OUTFALL-001

Lab Sample ID: 280-200315-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Iron	16	J B	100	9.1	ug/L	1	_	200.7 Rev 4.4	Total
									Recoverable
Copper	1.7	J	2.0	0.71	ug/L	1		200.8	Total
									Recoverable
Lead	0.86	J	1.0	0.23	ug/L	1		200.8	Total
									Recoverable
Zinc	21	В	10	2.0	ug/L	1		200.8	Total
									Recoverable
Lead	0.79	J	1.0	0.23	ug/L	1		200.8	Potentially
		_							Dissolved
Nickel	0.95	J	3.0	0.83	ug/L	1		200.8	Potentially
7									Dissolved
Zinc	23		10	2.0	ug/L	1		200.8	Potentially
Specific Conductance	240		2.0	2.0	umhos/cm	1		SM 2510B	Dissolved Total/NA
•						1			
pH adj. to 25 deg C			0.1	0.1		1		SM 4500 H+ B	Total/NA
Temperature	21.4	HF	1.0	1.0	Degrees C	1		SM 4500 H+ B	Total/NA
Field pH	7.9		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	240		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: 280-200315-1

Method	Method Description	Protocol	Laboratory
200.7 Rev 4.4	Metals (ICP)	EPA	EET DEN
8.00	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
И 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
0.7	Preparation, Total Recoverable Metals	EPA	EET DEN
8.00	Preparation, Total Recoverable Metals	EPA	EET DEN
5.1	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

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Sample Summary

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

Job ID: 280-200315-1

 Lab Sample ID
 Client Sample ID
 Matrix
 Collected
 Received

 280-200315-1
 OUTFALL-001
 Water
 12/04/24 10:00
 12/04/24 16:40

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Client: Grand Island Resources Job ID: 280-200315-1 Project/Site: Nederland, CO

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

Client Sample ID: OUTFALL-001 Lab Sample ID: 280-200315-1 Date Collected: 12/04/24 10:00 **Matrix: Water**

Date Received: 12/04/24 16:40

MDL Unit Analyte Result Qualifier RL D Prepared Analyzed Dil Fac 100 12/06/24 14:26 12/09/24 20:17 Iron 16 JB 9.1 ug/L

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

Client Sample ID: OUTFALL-001 Lab Sample ID: 280-200315-1 **Matrix: Water** Date Collected: 12/04/24 10:00

Date Received: 12/04/24	16:40								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		5.0	0.50	ug/L		12/06/24 14:26	12/11/24 14:27	1
Cadmium	ND		1.0	0.19	ug/L		12/06/24 14:26	12/11/24 14:27	1
Chromium	ND		3.0	0.50	ug/L		12/06/24 14:26	12/11/24 14:27	1
Copper	1.7	J	2.0	0.71	ug/L		12/06/24 14:26	12/11/24 14:27	1
Lead	0.86	J	1.0	0.23	ug/L		12/06/24 14:26	12/11/24 14:27	1
Zinc	21	В	10	2.0	ug/L		12/06/24 14:26	12/11/24 14:27	1

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

Client Sample ID: OUTFALL-001 Lab Sample ID: 280-200315-1 Date Collected: 12/04/24 10:00 **Matrix: Water**

Date Date: 140/04/24								Matrix	Water
Date Received: 12/04/24 Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND .		5.0	0.50	ug/L		12/09/24 08:24	12/10/24 10:55	1
Cadmium	ND		1.0	0.19	ug/L		12/09/24 08:24	12/10/24 10:55	1
Chromium	ND		3.0	0.50	ug/L		12/09/24 08:24	12/10/24 10:55	1
Copper	ND		2.0	0.71	ug/L		12/09/24 08:24	12/10/24 10:55	1
Lead	0.79	J	1.0	0.23	ug/L		12/09/24 08:24	12/10/24 10:55	1
Manganese	ND		3.0	0.51	ug/L		12/09/24 08:24	12/10/24 17:18	1
Nickel	0.95	J	3.0	0.83	ug/L		12/09/24 08:24	12/10/24 10:55	1
Selenium	ND		5.0	1.0	ug/L		12/09/24 08:24	12/10/24 10:55	1
Silver	ND		0.50	0.045	ug/L		12/09/24 08:24	12/10/24 10:55	1
Zinc	23		10	2.0	ug/L		12/09/24 08:24	12/10/24 10:55	1

Method: EPA 245.1 - Mercury (CVAA)

Client Sample ID: OUTFALL-001 Lab Sample ID: 280-200315-1 **Matrix: Water**

Date Collected: 12/04/24 10:00 Date Received: 12/04/24 16:40

Analyte Result Qualifier Dil Fac RL **MDL** Unit Prepared Analyzed 12/09/24 11:09 12/09/24 17:59 Mercury ND 0.20 0.061 ug/L

General Chemistry

Client Sample ID: OUTFALL-001 Lab Sample ID: 280-200315-1 Date Collected: 12/04/24 10:00 **Matrix: Water**

	Date Received: 12/04/24 16:40									
	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Specific Conductance (SM 2510B)	240		2.0	2.0	umhos/cm			12/05/24 15:23	1
	Total Suspended Solids (SM 2540D)	ND		4.0	1.1	mg/L			12/05/24 10:08	1
	pH adj. to 25 deg C (SM 4500 H+ B)	7.9	HF	0.1	0.1	SU			12/05/24 15:47	1
ı	Temperature (SM 4500 H+ B)	21.4	HF	1.0	1.0	Degrees C			12/05/24 15:47	1
	Sulfide (SM 4500 S2 D)	ND		0.050	0.022	mg/L			12/10/24 12:58	1

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Client Sample Results

Client: Grand Island Resources

Job ID: 280-200315-1

Project/Site: Nederland, CO

General Chemistry (Continued)

Client Sample ID: OUTFALL-001	Lab Sample ID: 280-200315-1
Date Collected: 12/04/24 10:00	Matrix: Water

Date Received: 12/04/24 16:40

Date Received: 12/04/24 16:40								
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			12/05/24 19:08	1
Field pH (SM4500 S2 H)	7.9	1.0	1.0	SU			12/05/24 19:08	1
Field Temperature (SM4500 S2 H)	21	1.0	1.0	Celsius			12/05/24 19:08	1
Specific Conductance (SM4500 S2 H)	240	2.0	2.0	umhos/cm			12/05/24 19:08	1
Sulfide (SM4500 S2 H)	ND	1.0	1.0	mg/L			12/05/24 19:08	1

General Chemistry - Total Recoverable

Client Sample ID: OUTFALL-001 Lab Sample ID: 280-200315-1
Date Collected: 12/04/24 10:00 Matrix: Water

Date Received: 12/04/24 16:40

Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac Chromium, trivalent (SM3500 CR B) ND 20 20 ug/L 12/16/24 15:25 1

General Chemistry - Dissolved

Client Sample ID: OUTFALL-001 Lab Sample ID: 280-200315-1

Date Collected: 12/04/24 10:00 Matrix: Water

Date Received: 12/04/24 16:40

AnalyteResultQualifierRLMDLUnitDPreparedAnalyzedDil FacChromium, hexavalent (SM 3500 CR B)ND204.0 ug/L12/04/24 17:341

General Chemistry - Potentially Dissolved

Client Sample ID: OUTFALL-001

Date Collected: 12/04/24 10:00

Lab Sample ID: 280-200315-1

Matrix: Water

Date Received: 12/04/24 16:40

AnalyteResultQualifierRLMDLUnitDPreparedAnalyzedDil FacChromium, trivalent (dissolved)ND2020ug/L12/16/24 15:251

(SM3500 CR B)

Eurofins Denver

RL

100

MDL Unit

9.1 ug/L

Client: Grand Island Resources Job ID: 280-200315-1 Project/Site: Nederland, CO

Method: 200.7 Rev 4.4 - Metals (ICP)

Lab Sample ID: MB 280-677508/1-A

Matrix: Water

Analyte

Iron

Analysis Batch: 677914

Client Sample ID: Method Blank **Prep Type: Total Recoverable Prep Batch: 677508**

Prepared Analyzed Dil Fac

Lab Sample ID: LCS 280-677508/2-A

Matrix: Water

Analysis Batch: 677914

Client Sample ID: Lab Control Sample Prep Type: Total Recoverable Prep Batch: 677508

12/06/24 14:26 12/09/24 19:54

Spike LCS LCS %Rec Result Qualifier Unit Analyte Added D %Rec Limits 10000 10200 85 - 115 Iron ug/L 102

MB MB Result Qualifier

25.8 J

Method: 200.8 - Metals (ICP/MS)

Lab Sample ID: MB 280-677508/1-A

Matrix: Water

Analysis Batch: 678250

Client Sample ID: Method Blank **Prep Type: Total Recoverable**

Prep Batch: 677508

MB MB Analyte Result Qualifier RL **MDL** Unit D Prepared Analyzed Dil Fac Arsenic ND 5.0 0.50 ug/L 12/06/24 14:26 12/11/24 13:59 Cadmium ND 1.0 0.19 ug/L 12/06/24 14:26 12/11/24 13:59 0.618 J 0.50 ug/L Chromium 3.0 12/06/24 14:26 12/11/24 13:59 Copper ND 2.0 0.71 ug/L 12/06/24 14:26 12/11/24 13:59 0.23 ug/L ND 1.0 12/06/24 14:26 12/11/24 13:59 Lead Zinc 3.42 J 10 2.0 ug/L 12/06/24 14:26 12/11/24 13:59

Lab Sample ID: LCS 280-677508/22-A

Matrix: Water

Analysis Batch: 678315

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

Prep Batch: 677508

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Arsenic	40.0	37.4		ug/L		93	89 - 111	
Cadmium	40.0	39.2		ug/L		98	89 - 111	
Chromium	40.0	38.7		ug/L		97	86 - 115	
Copper	40.0	40.1		ug/L		100	90 - 115	
Lead	40.0	37.8		ug/L		95	88 - 115	
Zinc	40.0	38.1		ug/L		95	88 - 115	

Lab Sample ID: MB 280-677567/1-B

Matrix: Water

Analysis Batch: 678001

Client Sample ID: Method Blank Prep Type: Potentially Dissolved Prep Batch: 677570

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		5.0	0.50	ug/L		12/09/24 08:24	12/10/24 13:08	1
Cadmium	ND		1.0	0.19	ug/L		12/09/24 08:24	12/10/24 13:08	1
Chromium	ND		3.0	0.50	ug/L		12/09/24 08:24	12/10/24 13:08	1
Copper	ND		2.0	0.71	ug/L		12/09/24 08:24	12/10/24 13:08	1
Lead	ND		1.0	0.23	ug/L		12/09/24 08:24	12/10/24 13:08	1
Nickel	ND		3.0	0.83	ug/L		12/09/24 08:24	12/10/24 13:08	1
Selenium	ND		5.0	1.0	ug/L		12/09/24 08:24	12/10/24 13:08	1
Silver	ND		0.50	0.045	ug/L		12/09/24 08:24	12/10/24 13:08	1
Zinc	ND		10	2.0	ug/L		12/09/24 08:24	12/10/24 13:08	1

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Client: Grand Island Resources Job ID: 280-200315-1

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

Lab Sample ID: MB 280-677567/1-B

Matrix: Water

Analyte

Manganese

Analysis Batch: 678028

Project/Site: Nederland, CO

Client Sample ID: Method Blank **Prep Type: Potentially Dissolved**

Prep Batch: 677570

MB MB Result Qualifier RL **MDL** Unit Analyzed Dil Fac Prepared 3.0 12/09/24 08:24 12/10/24 16:59 ND 0.51 ug/L

Lab Sample ID: LCS 280-677567/2-B

Matrix: Water

Analysis Batch: 678001

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

Prep Batch: 677570

Analysis Batch: 676001	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	41.1		ug/L		103	89 - 111
Chromium	40.0	39.3		ug/L		98	86 - 115
Copper	40.0	40.0		ug/L		100	90 - 115
Lead	40.0	38.8		ug/L		97	88 - 115
Manganese	40.0	38.0		ug/L		95	87 - 115
Nickel	40.0	40.4		ug/L		101	86 - 115
Selenium	40.0	38.7		ug/L		97	85 - 114
Silver	40.0	38.2		ug/L		96	90 - 114
Zinc	40.0	40.4		ug/L		101	88 - 115

Method: 245.1 - Mercury (CVAA)

Lab Sample ID: MB 280-677603/1-A

Matrix: Water

Analysis Batch: 677987

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

Prep Batch: 677603

MB MB

MDL Unit Analyte Result Qualifier RL Prepared Analyzed Dil Fac Mercury $\overline{\mathsf{ND}}$ 0.20 0.061 ug/L 12/09/24 11:09 12/09/24 16:51

Lab Sample ID: LCS 280-677603/2-A

Matrix: Water

Analysis Batch: 677987

Client Sample ID: Lab Control Sample

Prep Type: Total/NA **Prep Batch: 677603**

Spike LCS LCS %Rec **Analyte** Added Result Qualifier Unit D %Rec Limits Mercury ug/L 101 90 - 110

Method: SM 2510B - Conductivity, Specific Conductance

Lab Sample ID: MB 280-677551/4

Matrix: Water

Analysis Batch: 677551

Client Sample ID: Method Blank

Client Sample ID: Lab Control Sample

90 - 110

102

umhos/cm

Prep Type: Total/NA

Prep Type: Total/NA

MB MB

Analyte Result Qualifier RL

MDL Unit Analyzed Dil Fac Specific Conductance $\overline{\mathsf{ND}}$ 2.0 2.0 umhos/cm 12/05/24 15:23

Lab Sample ID: LCS 280-677551/3

Matrix: Water

Specific Conductance

Analysis Batch: 677551 Spike LCS LCS %Rec Added Result Qualifier %Rec Limits Unit

1430

1410

Eurofins Denver

Client: Grand Island Resources Job ID: 280-200315-1

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

Lab Sample ID: MB 280-677478/1 Client Sample ID: Method Blank

Matrix: Water

Analysis Batch: 677478

Project/Site: Nederland, CO

MB MB

Result Qualifier RL **MDL** Unit Analyzed Dil Fac Analyte D Prepared 4.0 12/05/24 10:08 **Total Suspended Solids** ND 1.1 mg/L

Lab Sample ID: LCS 280-677478/2 **Client Sample ID: Lab Control Sample Matrix: Water** Prep Type: Total/NA

Analysis Batch: 677478

Spike LCS LCS %Rec Added Result Qualifier Unit D %Rec Limits Analyte 501 **Total Suspended Solids** 526 mg/L 105 79 - 114

Method: SM 3500 CR B - Chromium, Hexavalent

Lab Sample ID: MB 280-677424/3-A Client Sample ID: Method Blank **Prep Type: Dissolved**

Matrix: Water

Analysis Batch: 677426

MB MB

Result Qualifier RL **MDL** Unit Dil Fac Analyte Prepared Analyzed Chromium, hexavalent ND 20 4.0 ug/L 12/04/24 17:34

Lab Sample ID: LCS 280-677424/1-A **Client Sample ID: Lab Control Sample Prep Type: Dissolved**

Matrix: Water

Analysis Batch: 677426

LCS LCS Spike %Rec Added Analyte Result Qualifier Unit %Rec Limits Chromium, hexavalent 100 93.2 93 91 - 112 ug/L

Lab Sample ID: LCSD 280-677424/2-A Client Sample ID: Lab Control Sample Dup **Prep Type: Dissolved**

Matrix: Water

Analysis Batch: 677426

LCSD LCSD **RPD** Spike %Rec Analyte Added Result Qualifier Unit %Rec Limits **RPD** Limit Chromium, hexavalent 100 95.2 ug/L 91 - 112

Lab Sample ID: 280-200315-1 MS Client Sample ID: OUTFALL-001 **Prep Type: Dissolved**

Matrix: Water

Analysis Batch: 677426

Spike MS MS Sample Sample %Rec Result Qualifier Added Analyte Result Qualifier Unit %Rec Limits Chromium, hexavalent ND 100 96.4 96 91 - 112 ug/L

Lab Sample ID: 280-200315-1 MSD Client Sample ID: OUTFALL-001 **Prep Type: Dissolved**

Matrix: Water

Analysis Batch: 677426

RPD Sample Sample Spike MSD MSD %Rec Result Qualifier Added Result Qualifier Unit %Rec Limits **RPD** Limit ND 100 97.2 Chromium, hexavalent ug/L 97 91 - 112

Eurofins Denver

12/16/2024

Prep Type: Total/NA

Job ID: 280-200315-1

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

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

Lab Sample ID: 280-200315-1 DU Client Sample ID: OUTFALL-001

Matrix: Water

Analysis Batch: 677426

Prep Type: Dissolved

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

Method: SM 4500 H+ B - pH

Lab Sample ID: LCS 280-677563/4 **Client Sample ID: Lab Control Sample** Prep Type: Total/NA

Matrix: Water

Analysis Batch: 677563

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

Method: SM 4500 S2 D - Sulfide, Total

Lab Sample ID: MB 280-678003/11 **Client Sample ID: Method Blank** Prep Type: Total/NA

Matrix: Water

Analysis Batch: 678003

MB MB Result Qualifier **MDL** Unit Dil Fac Analyte RL Analyzed Prepared 0.050 12/10/24 12:51 Sulfide ND 0.022 mg/L

Lab Sample ID: LCS 280-678003/9 **Client Sample ID: Lab Control Sample Prep Type: Total/NA**

Matrix: Water

Analysis Batch: 678003

Spike LCS LCS %Rec Added Result Qualifier D %Rec Limits **Analyte** Unit Sulfide 0.501 0.540 mg/L 108 81 - 122

Lab Sample ID: LCSD 280-678003/10 Client Sample ID: Lab Control Sample Dup Prep Type: Total/NA

Matrix: Water

Analysis Batch: 678003

Spike LCSD LCSD %Rec **RPD** Analyte Added Result Qualifier Unit %Rec Limits **RPD** Limit Sulfide 0.501 0.529 mg/L 106 81 - 122

Lab Sample ID: 280-200315-1 MS Client Sample ID: OUTFALL-001 Prep Type: Total/NA

Matrix: Water

Analysis Batch: 678003

Spike MS MS %Rec Sample Sample Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits Sulfide ND 0.501 0.477 mg/L 81 - 122

Client Sample ID: OUTFALL-001 Lab Sample ID: 280-200315-1 MSD **Prep Type: Total/NA**

Matrix: Water

Analysis Batch: 678003

RPD Spike MSD MSD %Rec Sample Sample Result Qualifier Added Limits Analyte Result Qualifier Unit %Rec Limit Sulfide ND 0.501 0.520 104 81 - 122 mg/L

Eurofins Denver

12/16/2024

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

Job ID: 280-200315-1

Metals

Pre	n B	atc	h: I	677	50	8
	P -	uto		• • •	U	•

	Lab Sample ID 280-200315-1	Client Sample ID OUTFALL-001	Prep Type Total Recoverable	Matrix Water	Method 200.8	Prep Batch
	MB 280-677508/1-A	Method Blank	Total Recoverable	Water	200.8	
	LCS 280-677508/22-A	Lab Control Sample	Total Recoverable	Water	200.8	
l	LCS 280-677508/2-A	Lab Control Sample	Total Recoverable	Water	200.8	

Filtration Batch: 677511

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-200315-1	OUTFALL-001	Potentially Dissolved	Water	Poten_Diss_Met	

Filtration Batch: 677567

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 280-677567/1-B	Method Blank	Potentially Dissolved	Water	Filtration	
LCS 280-677567/2-B	Lab Control Sample	Potentially Dissolved	Water	Filtration	

Prep Batch: 677570

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-200315-1	OUTFALL-001	Potentially Dissolved	Water	200.8	677511
MB 280-677567/1-B	Method Blank	Potentially Dissolved	Water	200.8	677567
LCS 280-677567/2-B	Lab Control Sample	Potentially Dissolvec	Water	200.8	677567

Prep Batch: 677603

_	ab Sample ID 30-200315-1	Client Sample ID OUTFALL-001	Prep Type Total/NA	Matrix Water	Method	Prep Batch
	B 280-677603/1-A	Method Blank	Total/NA	Water	245.1	
L	CS 280-677603/2-A	Lab Control Sample	Total/NA	Water	245.1	

Analysis Batch: 677914

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-200315-1	OUTFALL-001	Total Recoverable	Water	200.7 Rev 4.4	677508
MB 280-677508/1-A	Method Blank	Total Recoverable	Water	200.7 Rev 4.4	677508
LCS 280-677508/2-A	Lab Control Sample	Total Recoverable	Water	200.7 Rev 4.4	677508

Analysis Batch: 677987

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-200315-1	OUTFALL-001	Total/NA	Water	245.1	677603
MB 280-677603/1-A	Method Blank	Total/NA	Water	245.1	677603
LCS 280-677603/2-A	Lab Control Sample	Total/NA	Water	245.1	677603

Analysis Batch: 678001

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-200315-1	OUTFALL-001	Potentially Dissolvec	Water	200.8	677570
MB 280-677567/1-B	Method Blank	Potentially Dissolvec	Water	200.8	677570
LCS 280-677567/2-B	Lab Control Sample	Potentially Dissolvec	Water	200.8	677570

Analysis Batch: 678028

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-200315-1	OUTFALL-001	Potentially Dissolved	Water	200.8	677570
MB 280-677567/1-B	Method Blank	Potentially Dissolvec	Water	200.8	677570

Eurofins Denver

12/16/2024

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

Metals

Analysis Batch: 678250

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-200315-1	OUTFALL-001	Total Recoverable	Water	200.8	677508
MB 280-677508/1-A	Method Blank	Total Recoverable	Water	200.8	677508

Analysis Batch: 678315

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 280-677508/22-A	Lab Control Sample	Total Recoverable	Water	200.8	677508

General Chemistry

Filtration Batch: 677424

Lab Sample ID 280-200315-1	Client Sample ID OUTFALL-001	Prep Type Dissolved	Matrix Water	Method FILTRATION	Prep Batch
MB 280-677424/3-A	Method Blank	Dissolved	Water	FILTRATION	
LCS 280-677424/1-A	Lab Control Sample	Dissolved	Water	FILTRATION	
LCSD 280-677424/2-A	Lab Control Sample Dup	Dissolved	Water	FILTRATION	
280-200315-1 MS	OUTFALL-001	Dissolved	Water	FILTRATION	
280-200315-1 MSD	OUTFALL-001	Dissolved	Water	FILTRATION	
280-200315-1 DU	OUTFALL-001	Dissolved	Water	FILTRATION	

Analysis Batch: 677426

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-200315-1	OUTFALL-001	Dissolved	Water	SM 3500 CR B	677424
MB 280-677424/3-A	Method Blank	Dissolved	Water	SM 3500 CR B	677424
LCS 280-677424/1-A	Lab Control Sample	Dissolved	Water	SM 3500 CR B	677424
LCSD 280-677424/2-A	Lab Control Sample Dup	Dissolved	Water	SM 3500 CR B	677424
280-200315-1 MS	OUTFALL-001	Dissolved	Water	SM 3500 CR B	677424
280-200315-1 MSD	OUTFALL-001	Dissolved	Water	SM 3500 CR B	677424
280-200315-1 DU	OUTFALL-001	Dissolved	Water	SM 3500 CR B	677424

Analysis Batch: 677478

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-200315-1	OUTFALL-001	Total/NA	Water	SM 2540D	
MB 280-677478/1	Method Blank	Total/NA	Water	SM 2540D	
LCS 280-677478/2	Lab Control Sample	Total/NA	Water	SM 2540D	

Analysis Batch: 677551

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-200315-1	OUTFALL-001	Total/NA	Water	SM 2510B	
MB 280-677551/4	Method Blank	Total/NA	Water	SM 2510B	
LCS 280-677551/3	Lab Control Sample	Total/NA	Water	SM 2510B	

Analysis Batch: 677563

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-200315-1	OUTFALL-001	Total/NA	Water	SM 4500 H+ B	
LCS 280-677563/4	Lab Control Sample	Total/NA	Water	SM 4500 H+ B	

Analysis Batch: 677569

Lab Sample ID	Client Sample ID	Dron Tuno	Matrix	Mathad	Drop Botob
Lab Sample ID	Client Sample ID	Ргер Туре	IVIALITX	Method	Prep Batch
280-200315-1	OUTFALL-001	Total/NA	Water	SM4500 S2 H	

Eurofins Denver

Job ID: 280-200315-1

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13

Client: Grand Island Resources

Job ID: 280-200315-1

Project/Site: Nederland, CO

General Chemistry

Analysis Batch: 678003

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-200315-1	OUTFALL-001	Total/NA	Water	SM 4500 S2 D	
MB 280-678003/11	Method Blank	Total/NA	Water	SM 4500 S2 D	
LCS 280-678003/9	Lab Control Sample	Total/NA	Water	SM 4500 S2 D	
LCSD 280-678003/10	Lab Control Sample Dup	Total/NA	Water	SM 4500 S2 D	
280-200315-1 MS	OUTFALL-001	Total/NA	Water	SM 4500 S2 D	
280-200315-1 MSD	OUTFALL-001	Total/NA	Water	SM 4500 S2 D	

Analysis Batch: 678679

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-200315-1	OUTFALL-001	Potentially Dissolved	Water	SM3500 CR B	
280-200315-1	OUTFALL-001	Total Recoverable	Water	SM3500 CR B	

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Lab Chronicle

Client: Grand Island Resources Job ID: 280-200315-1 Project/Site: Nederland, CO

Client Sample ID: OUTFALL-001

Date Received: 12/04/24 16:40

Lab Sample ID: 280-200315-1 Date Collected: 12/04/24 10:00

Matrix: Water

Batch Batch Dil Initial Final Batch Prepared Method **Prep Type** Type Run **Factor Amount** Amount Number or Analyzed Analyst Lab EET DEN Total Recoverable Prep 200.8 50 mL 50 mL 677508 12/06/24 14:26 SLH 200.7 Rev 4.4 Total Recoverable Analysis 1 677914 12/09/24 20:17 ADL EET DEN Potentially Dissolvec Filtration Poten Diss Met 150 mL 150 mL 677511 12/05/24 11:44 AES **EET DEN** Potentially Dissolvec Prep 200.8 50 mL 50 mL 677570 12/09/24 08:24 SMK EET DEN Potentially Dissolvec Analysis 200.8 1 678001 12/10/24 10:55 LMT EET DEN Potentially Dissolvec Filtration Poten_Diss_Met 150 mL 150 mL 677511 12/05/24 11:44 AES EET DEN Potentially Dissolvec Prep 200.8 50 mL 50 mL 677570 12/09/24 08:24 SMK **EET DEN** 200.8 Potentially Dissolvec Analysis 1 678028 12/10/24 17:18 LMT EET DEN Total Recoverable 200.8 50 mL 12/06/24 14:26 SLH **EET DEN** Prep 50 mL 677508 Total Recoverable 200.8 678250 12/11/24 14:27 LMT **EET DEN** Analysis 1 Total/NA 30 mL Prep 245.1 50 mL 677603 12/09/24 11:09 KLG EET DEN Total/NA Analysis 245.1 1 677987 12/09/24 17:59 KLG EET DEN Total/NA 12/05/24 15:23 EL Analysis SM 2510B 1 677551 EET DEN Total/NA SM 2540D 250 mL 677478 EET DEN Analysis 1 250 mL 12/05/24 10:08 BRD Dissolved **FILTRATION** 1.0 mL 1.0 mL 677424 12/04/24 17:13 ABW **EET DEN** Filtration Dissolved Analysis SM 3500 CR B 1 2 mL 2 mL 677426 12/04/24 17:34 ABW EET DEN Total/NA SM 4500 H+ B 677563 12/05/24 15:47 EL **EET DEN** Analysis 1 Total/NA Analysis SM 4500 S2 D 1 2 mL 2 mL 678003 12/10/24 12:58 CLP **EET DEN** Potentially Dissolvec Analysis SM3500 CR B 1 678679 12/16/24 15:25 ADL **EET DEN** Total Recoverable Analysis SM3500 CR B 1 678679 12/16/24 15:25 ADL **EET DEN**

1

677569

12/05/24 19:08 C1A

Laboratory References:

Analysis

Total/NA

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

SM4500 S2 H

EET DEN

Accreditation/Certification Summary

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

Laboratory: Eurofins Denver

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

nority Program		Identification Number	Expiration Date				
egon	NELAF)	4025	01-08-25			
,	s are included in this repor	•	not certified by the governing authori	ity. 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	fido			

Job ID: 280-200315-1

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💸 eurofins

COC No:

Chain of Custody Record

Phone (303) 736-0100 Phone (303) 431-7171

Arvada, CO 80002 4955 Yarrow Street

Eurofins TestAmerica, Denver

N - None
O - Ashao2
P - Na2O4S
Q - Na2O4S
Q - Na2S03
R - Na2S23
S - H2SO4
T - TSP Dodecahydrate
U - Acetone
V - MCAA
W - PH 4-5
Z - other (specify) First half of the month potentially dissolvec metals permit list = 200.8 (As, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, Zn) *First half of the month total recoverable metals permit list = 200.7 (Fe), 200.8 (As, Cd, Cr, Cu, Pb, Zn), and 245.1 (Hg) obs Special Instructions/Note: Ver: 01/16/2019 Months company Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

Return To Client Disposal By Lab Mon heen Preservation Codes: A - HCL
B - NaOH
C - Zn Acetate
D - Nitric Acid
F - NanSO4
F - MeOH
G - Amchlor
H - Ascorbic Acid I - Ice J - DI Water · K - EDTA terno , 川古 ИО age: Total Number of containers Date/Time: 4.24 Date/Time Method of Shipment: State of Origin: Analysis Requested Cooler Temperature(s) °C and Other Remarks Special Instructions/QC Requirements: 280-200315 Chain of Custody SB Lab PM: Bieniulis, Dylan T E-Mait: <u>Dylan Bieniulis@et.eurofinsus.com</u> 5500_CR_B - Dissolved Hexavalent Cr (LAB 3500_CR_B - Total Hexavalent Cr and Trivalent Cr (calc) Received by: eceived by: Received by: Perform MS/MSD (Yes or No) r Preservation Code: (W=water, S=solid, O=waste/oil, Matrix Company ∞ <u>-</u>9 Type (C=comp, Radiological G=grab) Sample 1 500 Sample Time (Down Sompliance Project: △ Yes Date: Unknown TAT Requested (days): Due Date Requested: \mathbb{S}^{n} 202 12/h/2H Sample Date Date/Time/ Project #: 28022821 Poison B Skin Irritant Deliverable Requested: I, II, III, IV, Other (specify) Custody Seal No. 12567 West Cedar Drive Suite 110 Rossible Hazard Identification First half of the month event Empty Kit Relinquished by: Custody Seals Intact: Grand Island Resources Client Information ohnrinko@yahoo.com Sample Identification OUT FAU Δ Yes Δ No Non-Hazard nquished by: (303) 601-9230 lederland, CO State, Zip: CO, 80228 John Rinko -akewood

Login Sample Receipt Checklist

Client: Grand Island Resources Job Number: 280-200315-1

Login Number: 200315 List Source: Eurofins Denver

List Number: 1

Creator: Roehsner, Karen P

oreator. Noelistier, Naren F		
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	

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 1/6/2025 9:40:11 AM

JOB DESCRIPTION

Nederland, CO

JOB NUMBER

280-201290-1

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

Generated 1/6/2025 9:40:11 AM

Authorized for release by Dylan Bieniulis, Project Manager I Dylan.Bieniulis@et.eurofinsus.com (303)736-0138 3

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Definitions/Glossary

Client: Grand Island Resources

Job ID: 280-201290-1

Project/Site: Nederland, CO

Qualifiers

Metals

Qualifier Description

Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation These commonly used abbreviations may or may not be present in this report.

Listed under the "D" column to designate that the result is reported on a dry weight basis

%R Percent Recovery
CFL Contains Free Liquid
CFU Colony Forming Unit
CNF Contains No Free Liquid

DER Duplicate Error Ratio (normalized absolute difference)

Dil Fac Dilution Factor

DL Detection Limit (DoD/DOE)

DL, RA, RE, IN Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample

DLC Decision Level Concentration (Radiochemistry)

EDL Estimated Detection Limit (Dioxin)

LOD Limit of Detection (DoD/DOE)

LOQ Limit of Quantitation (DoD/DOE)

MCL EPA recommended "Maximum Contaminant Level"

MDA Minimum Detectable Activity (Radiochemistry)

MDC Minimum Detectable Concentration (Radiochemistry)

MDL Method Detection Limit
ML Minimum Level (Dioxin)
MPN Most Probable Number
MQL Method Quantitation Limit

NC Not Calculated

ND Not Detected at the reporting limit (or MDL or EDL if shown)

NEG Negative / Absent
POS Positive / Present

PQL Practical Quantitation Limit

PRES Presumptive
QC Quality Control

RER Relative Error Ratio (Radiochemistry)

RL Reporting Limit or Requested Limit (Radiochemistry)

RPD Relative Percent Difference, a measure of the relative difference between two points

TEF Toxicity Equivalent Factor (Dioxin)
TEQ Toxicity Equivalent Quotient (Dioxin)

TNTC Too Numerous To Count

Eurofins Denver

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Case Narrative

Client: Grand Island Resources

Project: Nederland, CO

Job ID: 280-201290-1 Eurofins Denver

Job Narrative 280-201290-1

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 12/23/2024 1:00 PM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.5°C.

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

Sample OUTFALL-001 (280-201290-1) was analyzed for Metals (ICP/MS) - Potentially Dissolved. The sample was prepared on 12/27/2024 and analyzed on 12/30/2024 and 1/2/2025.

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

Sample OUTFALL-001 (280-201290-1) was analyzed for Metals (ICP/MS) - Total Recoverable. The sample was prepared on 12/26/2024 and 12/27/2024 and analyzed on 12/27/2024, 12/30/2024 and 1/2/2025.

Eurofins Denver

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Job ID: 280-201290-1

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Detection Summary

Client: Grand Island Resources

Job ID: 280-201290-1

Project/Site: Nederland, CO

Client Sample ID: OUTFALL-001

Lab Sample ID: 280-201290-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Copper	0.86	J	2.0	0.71	ug/L		_	200.8	Total
									Recoverable
Lead	0.33	J	1.0	0.23	ug/L	1		200.8	Total
									Recoverable
Lead	0.32	J	1.0	0.23	ug/L	1		200.8	Potentially
									Dissolved
Zinc	19		10	2.0	ug/L	1		200.8	Potentially
									Dissolved

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Method Summary

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

Job ID: 280-201290-1

Method	Method Description	Protocol	Laboratory
200.8	Metals (ICP/MS)	EPA	EET DEN
200.8	Preparation, Total Recoverable Metals	EPA	EET DEN
Poten_Diss_Met	Filtration for Potentially Dissolved Metals	EPA	EET DEN

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

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

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Sample Summary

Client: Grand Island Resources Project/Site: Nederland, CO Job ID: 280-201290-1

000 10. 200 20.200 1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
280-201290-1	OUTFALL-001	Water	12/23/24 10:30	12/23/24 13:00

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Client Sample Results

Client: Grand Island Resources Job ID: 280-201290-1 Project/Site: Nederland, CO

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

Client Sample ID: OUTFALL-001 Lab Sample ID: 280-201290-1 Date Collected: 12/23/24 10:30 **Matrix: Water**

Date Received: 12/23/24 13:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	0.86	J	2.0	0.71	ug/L		12/26/24 15:10	12/27/24 11:44	1
Lead	0.33	J	1.0	0.23	ug/L		12/26/24 15:10	12/27/24 11:44	1

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

Client Sample ID: OUTFALL-001	Lab Sample ID: 280-201290-1
Date Collected: 12/23/24 10:30	Matrix: Water

Date Received: 12/23/24 1								Watrix	. Water
Analyte	Result Q	ualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	ND ND		1.0	0.19	ug/L		12/27/24 15:02	12/30/24 18:32	1
Copper	ND		2.0	0.71	ug/L		12/27/24 15:02	12/30/24 18:32	1
Lead	0.32 J		1.0	0.23	ug/L		12/27/24 15:02	12/30/24 18:32	1
Silver	ND		0.50	0.045	ug/L		12/27/24 15:02	12/30/24 18:32	1
Zinc	19		10	2.0	ug/L		12/27/24 15:02	12/30/24 18:32	1

Job ID: 280-201290-1

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

Method: 200.8 - Metals (ICP/MS)

Lab Sample ID: MB 280-679637/1-A

Matrix: Water

Analysis Batch: 679791

Client Sample ID: Method Blank Prep Type: Total Recoverable

Prep Batch: 679637

Analyte	Result C	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	ND		2.0	0.71	ug/L		12/26/24 15:10	12/27/24 11:28	1
Lead	ND		1.0	0.23	ug/L		12/26/24 15:10	12/27/24 11:28	1

MB MB

Lab Sample ID: LCS 280-679637/2-A **Client Sample ID: Lab Control Sample Matrix: Water Prep Type: Total Recoverable**

Prep Batch: 679637

Analysis Batch: 679791 Spike LCS LCS %Rec Analyte Added Result Qualifier Unit D %Rec Limits Copper 40.0 38.3 ug/L 96 90 - 115 40.0 39.2 ug/L 88 - 115 Lead 98

Lab Sample ID: LCSD 280-679637/3-A Client Sample ID: Lab Control Sample Dup **Matrix: Water Prep Type: Total Recoverable** Analysis Batch: 679791 **Prep Batch: 679637** Spike LCSD LCSD %Rec **RPD** Added Result Qualifier Limits RPD Limit Analyte Unit D %Rec 40.0 2 Copper 39.1 ug/L 98 90 - 115 20 Lead 40 0 38.0 95 88 - 115

Lab Sample ID: MB 280-679659/1-B **Client Sample ID: Method Blank Matrix: Water Prep Type: Potentially Dissolved**

Analysis Batch: 680052 Prep Batch: 679664 MR MR

ug/L

	1410	1410							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	ND		1.0	0.19	ug/L		12/27/24 15:02	12/30/24 17:53	1
Copper	ND		2.0	0.71	ug/L		12/27/24 15:02	12/30/24 17:53	1
Lead	ND		1.0	0.23	ug/L		12/27/24 15:02	12/30/24 17:53	1
Silver	0.0880	J	0.50	0.045	ug/L		12/27/24 15:02	12/30/24 17:53	1
Zinc	ND		10	2.0	ug/L		12/27/24 15:02	12/30/24 17:53	1

Lab Sample ID: LCS 280-679659/2-B **Client Sample ID: Lab Control Sample Matrix: Water Prep Type: Potentially Dissolved**

Analysis Batch: 680052 Prep Batch: 679664 LCS LCS %Rec Spike

						,	
te	Added	Result	Qualifier L	Jnit D	%Rec	Limits	
ium	40.0	42.0	u	ig/L	105	89 - 111	
er	40.0	39.1	u	ıg/L	98	90 - 115	
	40.0	39.6	u	ıg/L	99	88 - 115	
	40.0	40.7	u	ıg/L	102	90 - 114	
	40.0	42.0	u	ıg/L	105	88 - 115	

Lab Sample ID: 280-201290-1 MS **Client Sample ID: OUTFALL-001 Matrix: Water Prep Type: Potentially Dissolved**

Analysis Batch: 680052 Prep Batch: 679664

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Cadmium	ND		40.0	41.1		ug/L		103	89 - 111	
Copper	ND		40.0	40.3		ug/L		101	90 - 115	
Lead	0.32	J	40.0	41.1		ug/L		102	88 - 115	
Silver	ND		40.0	40.2		ug/L		101	70 - 130	

Eurofins Denver

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QC Sample Results

Client: Grand Island Resources Job ID: 280-201290-1 Project/Site: Nederland, CO

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

Lab Sample ID: 280-20129			Client Sample ID: OUTFALL-001							
Matrix: Water							Prep Type: Potentially Diss			
Analysis Batch: 680052									Prep Ba	tch: 679664
_	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Zinc	19		40.0	59.6		ug/L		101	88 - 115	

Lab Sample ID: 280-201290 Matrix: Water Analysis Batch: 680052		Sample	Spike	MSD	MSD				Potential Prep Ba %Rec	ly Diss	olved
Analyte	•	Qualifier	Added	_	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Cadmium	ND		40.0	42.1		ug/L		105	89 - 111	2	20
Copper	ND		40.0	40.1		ug/L		100	90 - 115	1	20
Lead	0.32	J	40.0	41.1		ug/L		102	88 - 115	0	20
Silver	ND		40.0	41.7		ug/L		104	70 - 130	4	20
Zinc	19		40.0	61.1		ug/L		105	88 - 115	3	20

QC Association Summary

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

Job ID: 280-201290-1

Metals

Prep Batch: 679637

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-201290-1	OUTFALL-001	Total Recoverable	Water	200.8	
MB 280-679637/1-A	Method Blank	Total Recoverable	Water	200.8	
LCS 280-679637/2-A	Lab Control Sample	Total Recoverable	Water	200.8	
LCSD 280-679637/3-A	Lab Control Sample Dup	Total Recoverable	Water	200.8	

Filtration Batch: 679659

Lab Sample ID 280-201290-1	Client Sample ID OUTFALL-001	Prep Type Potentially Dissolved	Matrix Water	Method Poten_Diss_Met	Prep Batch
MB 280-679659/1-B	Method Blank	Potentially Dissolved	Water	Poten_Diss_Met	
LCS 280-679659/2-B	Lab Control Sample	Potentially Dissolved	Water	Poten_Diss_Met	
280-201290-1 MS	OUTFALL-001	Potentially Dissolved	Water	Poten_Diss_Met	
280-201290-1 MSD	OUTFALL-001	Potentially Dissolved	Water	Poten_Diss_Met	

Prep Batch: 679664

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-201290-1	OUTFALL-001	Potentially Dissolved	Water	200.8	679659
MB 280-679659/1-B	Method Blank	Potentially Dissolvec	Water	200.8	679659
LCS 280-679659/2-B	Lab Control Sample	Potentially Dissolvec	Water	200.8	679659
280-201290-1 MS	OUTFALL-001	Potentially Dissolvec	Water	200.8	679659
280-201290-1 MSD	OUTFALL-001	Potentially Dissolvec	Water	200.8	679659

Analysis Batch: 679791

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-201290-1	OUTFALL-001	Total Recoverable	Water	200.8	679637
MB 280-679637/1-A	Method Blank	Total Recoverable	Water	200.8	679637
LCS 280-679637/2-A	Lab Control Sample	Total Recoverable	Water	200.8	679637
LCSD 280-679637/3-A	Lab Control Sample Dup	Total Recoverable	Water	200.8	679637

Analysis Batch: 680052

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-201290-1	OUTFALL-001	Potentially Dissolved	Water	200.8	679664
MB 280-679659/1-B	Method Blank	Potentially Dissolvec	Water	200.8	679664
LCS 280-679659/2-B	Lab Control Sample	Potentially Dissolvec	Water	200.8	679664
280-201290-1 MS	OUTFALL-001	Potentially Dissolved	Water	200.8	679664
280-201290-1 MSD	OUTFALL-001	Potentially Dissolved	Water	200.8	679664

Lab Chronicle

Client: Grand Island Resources Job ID: 280-201290-1 Project/Site: Nederland, CO

Client Sample ID: OUTFALL-001 Lab Sample ID: 280-201290-1 Date Collected: 12/23/24 10:30

Matrix: Water

Date Received: 12/23/24 13:00

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Potentially Dissolved	Filtration	Poten_Diss_Met			250 mL	250 mL	679659	12/26/24 11:00	KLG	EET DEN
Potentially Dissolved	Prep	200.8			50 mL	50 mL	679664	12/27/24 15:02	KLG	EET DEN
Potentially Dissolved	Analysis	200.8		1			680052	12/30/24 18:32	LMT	EET DEN
Total Recoverable	Prep	200.8			50 mL	50 mL	679637	12/26/24 15:10	SLH	EET DEN
Total Recoverable	Analysis	200.8		1			679791	12/27/24 11:44	LMT	EET DEN

Laboratory References:

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

Accreditation/Certification Summary

Client: Grand Island Resources Job ID: 280-201290-1 Project/Site: Nederland, CO

Laboratory: Eurofins Denver

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Oregon	NELAP	4025	01-08-25

Eurofins TestAmerica, Denver 4955 Yarrew Street Arvada, CO 80002 Phone (303) 735-0100 Phone (303) 431-7171	0	Chain o	ain of Custody Record	ody R	Score	anger .				* #	💸 eurofins	Frivity some nt Tectiny. Americs	
Cliant Information	Sampler / City or	/	28	Lab Ph	Lab PM: Bieniulis, Dylan	±		Carrier Tracking No(s)	13 Ne(s):		GOG NO:		-
Sincin montainen Olen Bonaci Jahn Rinko	Phone: 120	0649	72.	E-Mark	Bieniulis	E-Maik E-Maik Dylan.Bieniulis@et.eurofinsus.com	nsus.com	State of Origin:			Page:		-
Company Grand Island Resources			PWSID:				Analysis	Analysis Requested			Jeb #:		Wigness Commercial Com
Address: 12567 West Cedar Drive Buite 110	Bue Bate Requested:	4:									Preservation Godes		_
GIIV. Lakewood	TAT Requested (days)	ys);									B - NaOH 6 - Zh Acetate	N - Nerse O - Asnaga	-
Sirie, 246: 60, 86228	Compliance Project:	A Yes	& Ne								D - MITTE AGE E - NAHBO4 E - MAOH		-
Phene: (393) 601-9230	₩ 6d				ile						G = Amehler H = Aseerbie Aeid		anagina an
Enali johnrinko@yahoo.com	W@#:										1 - Ice y - Bi Water		
Rosed Name: Nederland, 60	Project #: 28022821										k = EBTM L = EBA	vv = br 4=3 Z = ether (specify)	
Site: second haif of the month event	\$\$@W#:				A AND A SHIP	(1)5					Other:		Transaction Services
			Sample Type	Wawater, Sagan, Sagan, Ormanicol,	Chenellitt	laitneto4;-l aibhinneo _, dt e8;lato7;-l (taibh				กอนักนม์ไก้ไ			
Bample Identification	Sample Date	Time	(C≕eemp, G≕grab)	$\neg \neg$	-	1110m 8.002				ENOT)	Special	Special Instructions/Note:	
	M	X	Preservation code:	an Cade:	Š	9 9				X	7 7 7 7	and the section itself.	-
OUTFALL-001	12/23/20	10.30	0	3	7	$\stackrel{\times}{\nearrow}$					"secend naff of t disselved metals Cu, Pb, Ag, Zn)	"second nair of the month potentially dissolved metals permit list = 200.8 (€d, €u, Pb, Ag, Zn)	
											"Second half of the	*Second half of the month total receverable metals permit ist = 200.8 (Cu. Pb)	-
													disease make a
										j i 1			-
		A COLUMN TO A COLU				-					remp = 4		and the second
								70te 10 to 1			Observed Oil Sh	Observed Oil Sheen? Yes@No (direle)	000000000000000000000000000000000000000
							280-201290 Chain of Custody				* If oil sheen ebs	* If oil sheen observed in discharge,	-
													The second secon
Cossible Hazard Identiffeation Skin Irriant Poi	l Poisea B Unknow		l Radiological			le Dispesi Return Ta	of (A fee may	y passe	samples are	Archir	retained longer than 1 month) Archive For	t menth) Months	-
)		Specif	I Instruction	Special Instructions/QC Requirements:						
Empty Kit Relinquished by:		Date:			Fime:			Method	Method of Shipment:				-
Relinquished by:	l Bate/Time:		o	Семрану	8	Received by.			Date/Time.			Gompany	-
Remiquished by:	Date/Time:		W	Company.	8	Received by:	(<i>_</i>		Date/Time.			Gempany	
do 7 Wall	12/23	24 13	ବ ପ୍ର'	Company R	- F	Received	12		Date/Tmje	25 2	2.	Sequency 1	posterior recenta
Custedy Seals Intact: Custedy Seal No.: A Yes A Ne					8	Geeler Temperature(s)	စ္ခာ	and Other Remarks: C_{\sim}	S RR	bi	CFFO,		-
						1			The state of the s		The state of the s	Ver: 01/16/2019	

Login Sample Receipt Checklist

Client: Grand Island Resources Job Number: 280-201290-1

Login Number: 201290 List Source: Eurofins Denver

List Number: 1

Creator: Rystrom, Joshua R

oroator: rtyou only oconica it		
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	

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APPENDIX C SURFACE WATER ANALYTICAL RESULTS

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

APPENDIX D CHAIN OF CUSTODY (COC) FORMS

6 Field-Filtered nitric preserved bothles - Groundwater Dissolved Metals Permit Lis. = 200.7 (Al, B. Fe) and 200.8 (Sb, As, Ba, Cd, Cu, Pb, Mn, Mo, U, Zn) Ver: 01/16/2019 eurofins Environment Testing America 300.0 Nitrate = 48 hour hold time vadionichdes Special Instructions/Note Company Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

Rottum To Client Disposal By Leb Month (metals & Date/Time: State of Origin: **Analysis Requested** ooler Temperature(s) °C and Other Remarks Special Instructions/QC Requirements Lab PM:
Bieniulis, Dylan T
E-Mait:
Dylan, Bieniulis@et,eurofinsus.com 2540C - TDS teceived by: eceived by: **Chain of Custody Record** 3 Matrix (w-water, S-solid, O-wasteloll, 3 3 3 Radiological 13:30 G 8 0 0 000 8191-905-20E 13:30 13:30 11.15 12/4/24/13:00 12:15 12:15 Unknown 'AT Requested (days): Due Date Requested: Sample Date ampler. BW PO#: Not required WO#: Project #. 28025589 = = = Poison B CROSS PORTALOZ Skin Irritant NEU Non-Hazard Flammable Skin Irri verable Requested: I, II, III, IV, Other (specify) ione (303) 736-0100 Phone (303) 431-7171 Eurofins TestAmerica, Denver CROSS PORTA ARIBOU WELL Custody Seal No OMPLIANCE COMPUMNCE OMPLIANCE 2567 West Cedar Road Suite 250 ROSS WELL OARIBOU npty Kit Relinquished by Client Information Custody Seals Intact:
A Yes A No 1955 Yarrow Street Arvada, CO 80002 land, CO 5-414-6986 State, Zip: CO, 80466 quished by.

APPENDIX E FIELD SHEETS

SURFACE WATER SAMPLING DATA SHEET

Designation of the last of the		The street of th	-										
SWAMP		Sheet (Wate	r Chemistr	y & Discret	te Probe) -	EventType:	=WQ	ERROLEOMPO	b ^{ri} afsell/kraiqan	Wate) V	100	Pg]	of Pg
*StationID:	202	2-01		*Date (mm/d	d/yyyy): 12	14	124	*Group: I/\	a			*Agency:	nla
*Funding:	n/s			ArrivalTime:	4:50	DepartureTin	ne: 15:05	*SampleTime	e (1st sample):	nla		*Protocol:	nla
*Personnel:	BM	The second of th	NEW TOWNS THE PARTY OF THE PART	*Purpose (circl	e all that apply):	WaterChem W	aterTox FieldOl	os FieldMeasure	5	*PurposeFail	ure: M/A		
*Location(Bank) Thalweg	Midchannel C	DpenWater	*GPS/DGPS	Lat (de	d.ddddd)	Long (d	dd.ddddd)	OCCUPATIO	N METHOD:	Walk-in Bridg	ge R/V	Other
GPS Device:	AS WA	POINTS	APP	Target:	39.9	7904	-105.5	7585	STARTING B	ANK (facing o	downstream):	LB RB / N	Α
Datum: NAD8	83	Accuracy (ft (m	1.20	*Actual:	39.9	78993	-105.5	75798	Po	int of Sample	(if Integrated,	then -88 in db	ase)
Field Obs	ervations (SampleTyp	e = FieldOl	os)		WADEABILITY	BEAUFORT SCALE (see	1.	DISTANCE FROM BANK	nla	STREAM WI	DTH (m): V	1/01
SITE	ODOR:	None, Sulfides	,Sewage,Petro	oleum,Mixed,O	ther	Y/ N / Unk	attachment):		(m):	MION	WATER DEP	PTH (m): √	Va
SKY	CODE: (Clear, Partly C	Cloudy, Overc	ast, Fog		WIND	∩ No. E	HYDROMODIF AerialZipline, O	TICATION None,	Bridge, Pipes,	ConcreteChanne LOCATIO	l, GradeControl, DN (to sample):	Culvert, US/DS/W/A
OTHERP	RESENCE:	Vascular, Nonv	ascular,OilyS	heen,Foam,Tra	ash,Other/10/1	(from): W	1		RB & LB assigned	ATT to	1: (RB / LB /	BB / US / DS /	(##)
DOMINANT	SUBSTRATE:	Bedrock, Con-	crete, Cobble,	Gravel, Sand,	, Mud, Unk, Ot	ther_ \(\sigma \) (0)		1	vnstream; RENAN e_yyyy_mm_dd_u		2022		4
WATER	CLARITY:	Clear (see bot	tom), Cloudy	(>4" vis), Murk	y (<4" vis)	PRECIP	ITATION:	None, Fog, D	rizzle, Rain, Sr	now		BB / US / DS /	(##)
WATE	RODOR: 17 0	None, Sulfide:	s, Sewage, Pe	troleum, Mixe	d, Other	PRECI	PITATION (las	t 24 hrs):	Unknown, <1'	, >1 , None	202	2-01-	B
WATER	RCOLOR:NO	Colorless, Gre	en, Yellow, B	rown								BB / US / DS /	
OBSERV	ED FLOW:	NA, Dry Water	rbody Bed No	Obs Flow Iso	olated Pool, Tr	ickle (<0.1cfs),	0.1-1cfs, 1-5c	fs, 5-20cfs, 20	-50cfs, 50-200	cfs, >200cfs	202	2-0	1-C
Field Mea	surements	(SampleTy	oe = FieldN	leasure; M	ethod = Fie	eld)							
	DepthCollec (m)	Velocity (fps)	Air Temp	Water Temp (°C)	pН	O ₂ (mg/L)	O ₂ (%)	Specific Conductivity (uS/cm)	Salinity (ppt)	Turbidity (ntu)	Stage Ht (units		
SUBSURF/MID/ BOTTOM/REP	nla	nla	400	nla	nla	n/a	nla	nla	nla	nla	nla		
SUBSURF/MID/ BOTTOM/REP													
SUBSURF/MID/ BOTTOM/REP													
Instrument:													-
Calib. Date:													
Samples T	Taken (# of	containers	filled) - Me	thod=Wate	r_Grab	Field Dup YES	S / NO: (Sample)	ype = Grab / Inte	egrated; LABEL_I	ID = FieldQA; cr	eate collection re	ecord upon data	entry
SAMPLE TYP	PE: Grab / In	tegrated	COLLE	CTION EQUIP	MENT:	Indiv bottle (b)	y hand, by pole	, by bucket); T	Teflon tubing; K	emmer; Pole	& Beaker; Oth	er	
	DepthCollec (m)	Inorganics	Bacteria	Chl a	TSS/SSC	TOC/DOC	Total Hg	Dissolved Mercury	Total Metals	Dissolved Metals	Organics	Toxicity	VOAs
Sub/Surface							****						
Sub/Surface													
		E WI	ATER	FLOU	N, SO	SAI	NPLE	SN	OT C	OLLE	CTE	>	
Run:						T		Sa	mple Processing	Date:			

Run:				_		_	_		_	10					
										Sample Pro	cessing Date:				
Sample ID #					1		1				T			T	
	Site Code:						_		1	1	1	†			
	# Small Wells			-											
	# Large Wells				-		-				-		-		-
	Empty Wells			-	-	-				-	-	-			
Yellow +	MPN						1						_		
	# Small Wells					_	1		1	1	1	-	 		
	# Large Wells					+	+	+	+	+	+	+	-		
Yellow+ Fluorescence (+)	False Positives MPN														
	Start	ZI-	r. Check			14 Hr. Check	1		18 Hr. Check			22 Hr. Check,			
A CHARLES	26122-02-076			ELD DUPLICA	TES	TITTII. OIBOX			Tra rat. Greco		LAB DI	PLICATES	ii needed		
	Normal Sample Duplicate Samp							Normal Sam Duplicate Sa	ple# mple#						
		MPN				5% CI					MPN		959 ower	6 CI	per
COLIFORM	Normal Duplicate Mean				ass		s Review	Normal Duplicate Mean	3 33 453	<u> </u>		ļ	ass	Needs	
E. COLI	Normal Duplicate							Normal Duplicate				!			
	Mean Field Sample				988 888		s Review s Review	Mean Lab Sample #					365 366	Needs Needs	
Mean = Mean of Sampler Signs	Normal and Duplicature / Date / Time	ate, which is then co		Placed in Incu			otability of data			of Colonial Child	Trays Read B		NAMES OF STREET	essential de la constantial de	
Processor / Da		renveu.													
NOTES:	te / Ime:			Pulled from In	cubator By / D	ate / Time:					Entered into	latabase;			

Brooke Molan 12/4/24

SURFACE WATER SAMPLING DATA SHEET

StationID:	202	7-110											
Funding:		~ W /		*Date (mm/d	d/yyyy): 12	14	124	*Group:	la			*Agency:	Na
9 .	_ nlo	1		ArrivalTime:	4:30	DepartureTin	ne: 14:45	*SampleTime	e (1st sample):	nlo	1	*Protocol:	nla
Personnel:	BM			*Purpose (circl	e all that apply):	WaterChem W	aterTox FieldOl	s FieldMeasure	7	*PurposeFail	ure: M	10	1144
Location: E	Bank Thalweg	Midchannel C)penWater	*GPS/DGPS	Lat (de	d.ddddd)	Long (de	dd.ddddd)	OCCUPATIO	N METHOD:	Walk-in Bridg	e R/V	C
GPS Device:	OPS WAT	1POINTS	SAFP	Target:	39.97	15787	-105.5	569328	STARTING B	ANK (facing o	ownstream):	LB /(RB)/ NA	A
Datum: NAD8	3	Accuracy (ft/m	1.40	*Actual:	39.9	75873		569305	STATES OF MALE SON, SCHOOL ST	MARKETON AND THE REAL PROPERTY.	(if Integrated, t	HARD DON'T SHEET SHEET	CONTRACTOR OF THE PARTY OF THE
ield Obs	ervations (SampleTyp	e = FieldOl	os)		WADEABILTY:	BEAUFORT	minulaineachmh 	DISTANCE		STREAM WIDTH (m): nla		
SITE	ODOR: (None Sulfides	,Sewage,Petr	oleum,Mixed,O	ther	Y/N/Unk	SCALE (see attachment):		FROM BANK (m):	nla	WATER DEP	TH (m): 1/	1/a
SKY (CODE: (Clear Partly C	Cloudy, Overc	ast, Fog		WIND	D.J.	HYDROMODIF AerialZipline, O	ODIFICATION: None Bridge, Pipes, ConcreteChannel, ne, Other LOCATION			, GradeControl, (Culvert, y
OTHERPE	RESENCE:	Vascular, Non	vascular.OilvS	heen Foam Tra	ash Other Mone	(from): PHOTOS (RE			S (RB & LB assigned when facing 1: (RB / LB / BB / US /				
DOMINANTS	SUBSTRATE:	Bedrock, Con				her IV /dl			nstream; RENAN		22-07-A		
WATERO	CLARITYN			(>4" vis), Murk			ITATION:		rizzle, Rain, Sr		2: (RB / LB / E	BB/US/DS/	##)
	- 10	None, Sulfides			, , ,			(last 24 hrs): Unknown, <1", >1" (None 2022-02-					B
	- 1	Colorless, Gre			a, Ouiei	FIXEOU	TIATION (las	24 1115).	Officiown, < 1	, >1 (Notice	3: (RB / LB / E	200	##)
OBSERVE		NA, Dry Water		The state of the s	alated Pool Tr	ickle (<0 1cfs)	0.1-1cfs 1-5c	fe 5-20efe 20	50cfc 50 200	ofe >200ofe	2022	2-02.	_C
ield Meas	urements	(SampleTy)	STATE OF THE PARTY		THE RESERVE OF THE PARTY OF THE	Bearing the second second	0.1-1015, 1-00	15, 5-20015, 20	-30CIS, 30-200	JIS, -200CIS			
	DepthCollec (m)	Velocity (fps)	Air Temp	Water Temp (°C)	pН	O ₂ (mg/L)	O ₂ (%)	Specific Conductivity	Salinity (ppt)	Turbidity (ntu)	Stage Ht		
SUBSURF/MID/	nla	0.10	1110	10/0	nla	nla	nla	(uS/cm)	n la	10/0	10/0		
BOTTOM/REP	nla	Na	41	nla	ALLON	VIII	NICA	n/a	n/a	NIA	nla		
BOTTOM/REP													
SUBSURF/MID/ BOTTOM/REP													
Instrument:													
Calib. Date:				I POST CONTRACTOR OF THE PARTY									
amples T	aken (# of	containers	filled) - Me	thod=Wate	r_Grab	Field Dup YES	S / NO: (SampleT	ype = Grab / Inte	grated; LABEL_	D = FieldQA; cr	eate collection re	cord upon data e	entry
AMPLE TYP	E: Grab / In	tegrated	COLLE	CTION EQUIP	MENT:	Indiv bottle (b	y hand, by pole	, by bucket); T	eflon tubing; K	emmer; Pole	& Beaker, Othe	er	
	DepthCollec (m)	Inorganics	Bacteria	Chl a	TSS / SSC	TOC/DOC	Total Hg	Dissolved Mercury	Total Metals	Dissolved Metals	Organics	Toxicity	VOA
Sub/Surface				@ E _ j									
Sub/Surface												The state of the s	
OMMENTS:	URFA	CEW	ATER	FLO)W, S	50 S	AMP	ESI	NOT	co	LLE(TED	>
The second second second								Constitution of the Consti			Land to the state of the state		AND THE REAL PROPERTY.

Run:						_			70					
									Sample Pr	Sample Processing Date:				
Sample ID#	t:			1				1				1	1	
	Site Code:			+		-		+				+	+	
	,													200000000000000000000000000000000000000
	# Small Wells			-	-									
	in Cinali Weas											1		
	# Large Wells				1					1			1	
	Empty Wells			+		-	+	+		+			+	_
Yellow +	MPN													
	# Small Wells			-	+		-	-	-	-				
	# Large Wells			-	-							-		
	# Large vveus													
	False Positives											1	1	
(+)	MPN							1		_		+	1	
Temp/Time	Start	4Hr. C	heck	Participation of the Control	14 Hr. Check	T M Mary Street		18 Hr. Ched			22 Hr. Check	d needed		
	Section Co.		FIELD DUPLICA	TES			1			LAB	OUPLICATES	i ii iioooou		
	Normal Sample	#		ebrewith Ada		100,000,000	Normal Samp	ole#		100000000000000000000000000000000000000	CATALONIA STATE	L. September	MATERIAL STATE	0.0000000000000000000000000000000000000
	Duplicate Sam	ple#					Duplicate Sa	mple#	CANADA NASAR	AND LEWIS CO.		STATES IN THE		
		MPN			15% CI					MPN		ower 98	5% CI	
TOTAL	Normal		862050 BEAVES NO.	Acres 12	70.1 160.2 3 60.3	po i	Normal		Mile Commence of the	Alternative Control	Signa La contrata de	OWO		pol
COLIFORM	Duplicate						Duplicate							
400000000000000000000000000000000000000	Mean			ass	Needs	Review	Mean					ass	Needs	Review
E. COLI	Normal	Challette C. Barriete		dentitiet August S. E.		NAME OF TAXABLE PARTY.	Normal							T TO FIGURE
	Duplicate						Duplicate							
10 10 10 10 10 10 10 10 10 10 10 10 10 1	Mean			ass	Needs	Poviou	Mean					ess	Needs	Dougour
BLANKS	Field Sample			ass		Review	Leb Sample #	10.10.00				ass ass	Needs	
Mann = Mann of	(Normal and Dunlin	rate, which is then comp	ared to the individual corr	City City	NO DESCRIPTION	ability of data	Section Control			distribution for the second				anouncement.
	ature / Date / Time					aumy or data				-				
		a Arrived:	Placed in Incu	mater By / Date	e / Time:					Trays Read	1 Ву:			
Processor / Date / Time: Pulled from Incubator By / Date / Time:					Entered into database:									
NOTES:														

Grooke Moran 12/4/24

1/A

GROUND WATER SAMPLING DATA SHEF	GROUND	WATER	SAMPLING	DATA	SHEET
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Sample Lo Sample Co WEATHI Ambient Amb	ER CONDI Air Tempe tion: None ELL MEASU er Level-30 0.1632 ga g ID 1/0 W ed with: L MEASURE er Level-30 MENT CAL Measured Measured	TIONS rature: Rain REMENTS Total Deptil Casing MENTS Total Deptil MENT	Snow Ho Measureme pth 205 Top h = 0.6528 OD ** Pro PU M 10 Total V N Tomp. 14, Temp. 14, T	eavy Modernts in feet reports of Screen Scre	Not Measurate Light nade from top Filter Pacinch = 1.4686 ing Stickup w/o and Stickup w/o Conductivity I Standard 0.447 Standard 0.447 Value n o o	sured D Sunny of well o k Interva 8 gal/ft Well Cas d Boreho Meter: N mS/cm mS/cm TmS/cm	Cassing State Volume	Time 12:00 BM Wind: Heavy D Partly Cloudy D Borehole Dia Sing Volume: 2 Stickup 1.2 Feet	Moderate Liginmeter (inches) 5 OB gallons of Water 10 ax Pumping Rate - 2104-0 5 mS/cm Tersured Value 10	1 (0-40 ft) 3/8" (40-205f Nla 1479 mp. 13°C
inne	(gallons)	pH	Cond. (µS/cm)	Temp.	Visual 1	Est. 🗆			Comments	
10.00		177	0.0		Measur					
12:00	624	7.2	0.3	7. +	3:	7	-	ELD-FI	LTERED	FOR
13:00	624	7.0	0.2	+0/	5,	0	WE	TALS &	RADIO	NUCLIDES
				-				1	0011	alle appli Carriero Blaga
		West Names and Association of the Control of the Co					SF	+MPLES	colle	CIED
						1	NI	TH DIS	POSABL	E CUP
	The factor and a second a second and a second a second and a second a second and a second and a second and a									
	**************************************								A-10	
									TO TO THE STREET AND	
										
-				A description of the second se						
				`						
FINAL SA					1		_			
Sample Date	Samp Time	1	ischarge	pН	Cond.	Tem		Turbidity		
. Date	111110	CISI	□ gpm⊠		(μS/cm)	(°C	()	Visual Est.□ Measu		
-		20 E				The second		red		
12/4/2	4 13:0	00	7.0	7.0	0.2	7,	20	5,6		
Duplicate S	ample-02	(sample co	ontrol numb	er/time	n/a			The state of the s	DAAQC	INFO
Field Blank	-03	(sample co	ontrol numbe	er/time	n/a) A COALL	MOLE
Rinsate San	nple-04	(sample co	ontrol numb	er/time	n/a				AVAIL	ABLEIN
Matrix Spik	e-MS	(sample co	ontrol numbe	er/time	nla				, LAB F	REPORT
		(sample c	ontrol numb	er/time	nla)	
Notes: Sp	MPLE	DVI	A POR	T. X 65,	8"(-1-4	Oft.) &	14/2"(15	-205 A	-)
Sampler's S	ignature				~		/	-		
\sim	Brook	be:	Mor	an	12/	t/2	4			

		*	
GROUND WATER	SAMPLING DATA	SHEET	

									X		
The Privile	FICATION			GROUND	WAT	ER SAMPLIN	G DAT	TA SI	HEET		
Sample L Sample C	ocation(ontrol Num)MPL ber_	MANCE	E WEI	<u></u> _I	Date 12/4	/24 _Sam	Sta	rt Time 13:00 :	Pro Stop time 13:4!	Page of
WEATH	ER CONDI	TIONS	39,90			/			100		1 -
Precipita	Air Temper	rature: _ M Rain□	Snow[] He	°C□	°F[2]	Not Meas	ured [Wind: Heavy□ M Partly Cloudy□	/loderate□ Ligh	ıt 🖸
INITIAL W	ELL MEASU	REMENTS	Measureme	ents in feet	made	e from top o	f well	casin	ig)	9/	(0-50 ft)
Static Wat	ter Level39	Total De	pth <u>165</u> Top	of Screen	65	Filter Pack	Interva	al_//	Borehole Dian	neter(inches)	(50-165 F
2-111011 -	0.1027 Rg	1/11 4-INC	n = 0.0528	gai/π t	-incn	= 1.4688	gal/It	Cas	sing Volume: 🗀	gallons	
Well purge	ed with: W	EUL 3	PUMP	otective C	ising S	STICKUP <u>NIO</u>	Vell Ca	sing	Stickup () Feet o	f Water n / O	
CIRLAL SAUCE	II BACACUDE	-0.000			(5	=4					
Static Wat	er Level <u>-3</u> 01 MENT CAL	Total Dept	nlb Total V	olume Pur	ged'D'	Saturated	Boreho	ole V	olume (gal)\\5Ma	x Pumping Rate)	n/a
	: Meter Nu				Con	ductivity M	eter l	Meter	r Number CMI-	2104-0	1479
Buffer 7	Measured '	Value 7,	Temp. 14.1	_°C	Stand	dard 0,4471	nS/cm	Mea	asured Value ().	5 mS/cm Ten	np. 13 °C
Turbidity	Measured	Value 4.0	7 Temp. 14,	_°C Measure	Stand	dard <u>0.447</u> n	nS/cm	Mea	asured Value 0. rd n loNTU Measu	5 mS/cm Ten	np. <u>13</u> °C
FIELD PAR	AMETER ME	ASUREME	NTS DURING	PURGING	1 valu 3	10 VO 10 10 10 10 10 10 10 10 10 10 10 10 10	i U Su	anuai	d w w N I O Meast	ired value_v110	_NIU
Time	Volume	рН	Cond.	Temp		Turbidi				Comments	
	(gallons)		(μS/cm)	°C⊠ °I		Visual Es Measure	1 /				
13:00	0	7.5	0.4	5.	7	4 L	THEN		IFI D-FII	TEREN	500
13:30	554	7.9	0.3	6.0	7	3,5		W	FTAIS	RADION	MICHOR
								1411	011100		vocusts.
						,		SF	AMPLES	COLLEC	TFD .
								WI	TH DISPOS	SABLE	CUPS
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						of the same of the			•		
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						Selection of the contract of t					
				,						·	
	MPLE PAI			77							
Sample Date	e Samp		ischarge □ gpm□	pH	1	Cond. µS/cm)	Ten	_	Turbidity Visual		
			OI -			µG/OIII)		٠)	Est. Measu		
1	111011	2 ()	. 1			4			red		
12/4/2	24 13.5	50 1	0,4	7,9		0.3.	6.	00	3.5		
Duplicate S	Sample-02	(sample c	ontrol numb	er/time_C	ON	PLIAN	1 CE	manusch.	02)	QAQC	INFO
Field Blank	c-03	(sample co	ontrol numbe	er/time	00	PLIAR	NCE		03)		BLE IN
Rinsate San	nple-04	(sample c	ontrol numb	er/time		nla)	0 00 000 0000 0000 0000	EPORT
Matrix Spik	ke-MS	(sample co	ontrol numbe	er/time		nlo)	DITO IC	
		(sample c	ontrol numb	er/time		nla	71)		
Notes: SA	MPIF	DAT	WEL	L, *(5/0	"(-1-5	50 f	(H)	1241/2"(15-165	ft)
Sampler's S					0			, ,	Lee .		
•	V	1-1-1	1.	MKI.	2	12	1, 1	10	i (.		
	V	VIME	$n \circ N$	VV) (M	- 17	14	12	4		

GROUND WATER	SAMPLING	DATA	SHEET
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Sam Sam WE Am Prec INIT Stati 2-in Well FINA Stati INS PH I Buff Buff Turl	ple Locapie Con ATHE bient A cipitation LAL WELL ic Water Casing purged LAL WELL ic Water TRUM Meter: Trum bidity Market LAL WELL ic Water LAL WATER LAL WELL ic Water LAL WAT	R CONDI' ir Temper ir Temper in: None L MEASUR Level 22 .1632 gal ID 110 W With: W MEASURE Level 291 Meter Num Measured V Measured V Meter: Now Meter Meter Me	TIONS rature: Rain Rain Total De ft 4-ind rell Casing MENTS Total Dept MENTS Total Dept IBRATION Value 7, Value 4, ASUREM	Snow He (Measureme epth) 5 Top ch = 0.6528 OD X Pro PUMP ch Total Vo ON Tomp. 14.1 Temp. 14.1	eavy Monts in feet of Screen gal/ft 6- otective Case olume Purg	or Paragraphic derate made 25 inch sing Stand Stand Value	Not Measue Light Light From top of Filter Pack = 1.4688 ptickup No. V	Samured E Sumred E Sumred E Sumred E Intervence Solidaria Vell Ca Boreha Sceneral Sceneral Sceneral	Stanplers casing Casing Casing Meter Mea	Wind: Heavy \(\text{N} \) Wind: Heavy \(\text{N} \) Partly Cloudy \(\text{D} \) Borehole Dianting Volume: \(\frac{16}{16} \) Stickup \(\frac{2}{4} \) Feet of the sured Value \(\frac{16}{16} \) On \(\frac{16}{16} \) On \(\frac{16}{16} \) We assured Value \(\frac{16}{16} \) On \(\frac{16}{16} \)	Anoderate Light Ineter(inches) 6" I gallons f Water 10 X Pumping Rate 1 X Pumping Rate 1 Market Marke	(0-26 ft) (26-165) 1/a 1/79 p.13°C
	Time	Volume (gallons)	pН	Cond. (µS/cm)	°CIZI °F		Turbidit Visual Es	t.[]		(Comments	
-	120	(1)	7 2	0.2	3		Measured	<u>)Ej</u>				
1	:30	484	7.0	0.3	70 x C	1	2.0		FI	ELD-FIL	TERED	FOR
111	100	107	Dot	0.	000	2	3,0		METALS & RADIONUCLIDES			
-	$\neg \uparrow$	*****				\neg			SA	MOES	COULECT	ED WITH
						7			DI	SPOSIARI	E CUP	CD VVIII
			over the transmission of the same									
000												
					~~~							
												and the second s
					`							
1		IPLE PAI					,					
	Sample Date	Sampl Time		Discharge SD gpm	pН		Cond. µS/cm)		mp. C)	Turbidity Visual Est. Measu red		
12	14/20	+ 11:3	0	10.0	6.7	(	0,3	6.	6	3.0		
Dupl	icate Sa	mple-02	(sample	control numb	er/time		nla			)	RARC	INFO
Field	Blank-	03	(sample o	control numbe	er/time		nla			)	AVAILA	
Rinsa	ite Sam	ple-04	(sample	control numb	er/time		nla			2		_
	Matrix Spike-MS (sample control number/time ) LAB REPORT											
	(sample control number/time N/a  Notes: SAMPLED VIA PORT, *65/8"(-1-26ft)&4'2"(15-165ft)											
Notes	s: SA	MPLE	D V	IA POF	RT. X	65	1811 (-	1-2	26+	A)24/2	"(15-11	5 ft)
		gnature										/
		1	8/109	the	MO	ar	NI	21	4/	24		

### **GROUND WATER SAMPLING DATA SHEET**

Sample Lo Sample Co	cation <u>C</u>	ROSS ber	PORTA		Date 2/-	24 Star   Samplers	rt Time 12:00	Pro Stop time 12:30	D Page of
WEALER	K CONDI	HIUNS							-
Precinitati	ur i <del>emp</del> e	rature:	Snow[] He	°CLI °I	Not Meas	ured 🗆 🔻	Wind: Heavy□ M Partly Cloudy□	Anderate Ligh	nt□
INITIAL WE	LL MEASU	REMENTS	Measureme	nts in feet m	ade from ton o	fwoll cocine	2		
Static Wate	er Level	_ Total De	pthTop	of Screen	Filter Pack	Interval	Borehole Dian	neter(inches)	
2-inch = $0$	).1632 ga	I/ft 4-inc	h = 0.6528	gal/ft 6-in	ch = 1.4688	gal/ft Cas	ing Volume:	gallons	
Well Casing	g ID V	Vell Casing	OD Pre	etective Casin	ng Stickup \	Well Casing	Stickup Feet o	f Water	
Well purge	d with:				,			· Water	
FINAL WEL									
INSTRUM	ENT CAL	<u> IBRATIC</u>	DN				olume (gal) Ma		
			TON 01 1 Temp. 14,		onductivity M	eter: Meter	Number CM   - 2	2104-04-	79,1100
Buffer 4	Measured	Value 4.1	2 Temp. 14,		andard 0.74 r	nS/cm Mea	sured Value 0,5	mS/cm Ter	np. 14 °C
Turbidity I	Meter: New	Tu Standa	rd n/a NTU	Measured V	alue n/a N	TU Standar	dn a NTU Measu	red Value 10	np. <u>14</u> °C
FIELD PARA	METER MI	EASUREME	NTS DURING	PURGING	71101 11	10 Sunitun	IN INTO MICEST	ired value volo	_1410
Time	Volume	pН	Cond.	Temp.	Turbidi	tv	(	Comments	
	(gallons)		(μS/cm)	°C⊠ °F□	Visual Es Measure	st. 🗆			-
12:15	n/a	18.1	0.4	4.70	82	FI	ELD-FILT	ERED FO	OR
							TALS &		The state of the s
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	**************************************				1	1115	THE RESERVE THE PERSON NAMED IN COLUMN TWO IS NOT THE OWNER.	SABLE	THE PERSON NAMED AND POST OF THE PERSON NAMED
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FINAL SAI	MPLE PA	RAMETE	CRS						
Sample	Samp	ole D	Discharge	pН	Cond.	Temp.	Turbidity	T T	
. Date	Tim		□ gpm□	1	(µS/cm)	(°C)	Visual		
							Est. D Measu		
1 :							red		10 10
12/4/2	4/12:	15	nla	8.1	0,4	14.79	82		
Duplicate Sa	ample-02	(sample c	ontrol numb	er/time	ROSS P	ORTAL	_ 02_ )	QAQC	INEO
Field Blank-	-03	(sample c	ontrol numbe	er/time_	n/	d	)	0 00 11 00	315 44
Rinsate Sam	ple-04	(sample c	ontrol numb	er/time	ın l	Ω		HUAILA	SLE IN
Matrix Spike	-		ontrol numbe	7	N	10	)	LAB RI	EPORT
		(sample o	control numb	er/time	N	10	)		
Notes:		( <u>-</u>			n 4				
Sampler's Si	ignature	_	t						
		Know	No i	MATO	2 44 1	1/4/	211		

				GROUND WAT	ED CABADI INIC	DATA CU	leten.		
IDENTIFIC	ATION			GROOND WAT	ER SAMPLING	DAIASH	IEEI	Project Nur	nhar
Sample Loca	tion CA	RIBO	1) POR	TAL	Date 12/4	17.4 Sta	rt Time (0:30 Sto	op time 1 : 15 Page 1	of
Sample Cont	rol Numb	er	1/0	-		Samplers		p time the large !	_01 /
WEATHER						Dampiers	BINI		
				°CD °FD	Not Measu	red [] T	Wind: Heavy□ Mo	derete Light	
Precipitation	: NoneL	Rain	Snow He	eavv Modera	te Light	Sunny	Partly Cloudy	Delator Light	
INITIÂL WELL	MEASUR	EMENTS (	Measureme	ents in feet mad	e from top of	well casin	et condition		
Static Water I	Level	Total De	pth Tor	of Screen	Filter Pack to	nterval	Borehole Diamet	ter(inches)	
2-inch = $0.1$	L632 gal	ft 4-inc	h = 0.6528	Real/ft faint	1 = 1 4688 0	al/ft Cas	sing Volume:	gallons	
Well Casing II	) W	ell Casing	OD _Pr	Offective Casing	Stickup MA	oll Cocina	Stickup Feet of W	gallolis	
Well purged v	with.	- Cusing		otective cashig .	stickup vv	en casing	Stickup reet of w	vater	
FINAL WELL									-
			h Total V	olume Durged	Catumated D		aluma (mil) sa B		
INSTRUME	NT CAT I	ntai Depti	II IOLAI V	olume Purgea	_ Saturated B	orenoie vo	olume (gal) Max P	umping Rate	_
pH Meter: N				Con	duativity Ma	tore Mate	Number C MI - 7	104-01479	
Buffer 7 M	leagured V	Jalue 3. 1	Temp 14	7 oc Ston	dond O Ul 17-	Clam Man	r Number C/V//-2		
Buffer $\dashv$ M	leasured V	Value 4	Temp. 14	oC Stan	dard 0,147m	S/cm Mes	asured Value 0.5	mS/cm Temp.13°0 mS/cm Temp.13°0	<i>3</i>
Turbidity Me	eter-Nouth	al Standar	rd n n NTII	Measured Valu	te V / NT	II Standar	discreti Value 0, 5	d ValueNTU	_
FIELD PARAM	ETER ME	SURFME	NTS DURING	S PLINGING	IC TO IN I	O Statidat	d MANALA IO IMEASULE	a value 10 10 110	
The second secon	Volume	рН	Cond.		To cole to Ita				
N I	gallons)	þΠ		Temp.	Turbidity	C	Cor	mments	
	galions		(µS/cm)	°CÖ °F□	Visual Est. Measured				
H I									
11/16	n la	9 11	011	2 11				and the same of	
11:15	nla	8,4	0.4	3,4	4,7	FIE	ELD- FILTER		
11:15	nla	8,4	0,4	3,4		FIE		ED FOR ADIONUCLIE	ES
11:15	nla	9,4	0.4	3,4		FIE			ES
11:15	nla	8,4	0.4	3,4		FIE			ES
11:15	nla	8,4	0,4	3,4		FIE	TALS & R	ADIONUCLID	
11:15	nla	9,4	0,4	3,4		FIE	TALS & R		
11:15	nla	9,4	0,4	3,4		FIE	TALS & R	ADIONUCLID	
11:15	nla	9,4	0.4	3,4		FIE	TALS & R	ADIONUCLID	
11:15	nla	9,4	0,4	3,4		FIE	TALS & R	ADIONUCLID	
11:15	nla	9,4	0,4	3,4		FIE	TALS & R	ADIONUCLID	
11:15	nla	8,4	0,4	3,4		FIE	TALS & R	ADIONUCLID	
11:15	nla	9,4	0,4	3,4		FIE	TALS & R	ADIONUCLID	
11:15	nla	8,4	0.4	3,4		FIE	TALS & R	ADIONUCLID	
				3,4		FIE	TALS & R	ADIONUCLID	
INAL SAMO	PLE PAR	AMETE	RS		4.7	FIE ME	MMES COLL SPOSABLE	ADIONUCLID	
INAL SAMI	PLE PAR	RAMETE	RS	рН	Cond.	FIE ME	MRES COLL SPOSABLE  Turbidity	ADIONUCLID	
INAL SAMO	PLE PAR	RAMETE	RS	рН	4.7	FIE ME	MRES COLL SPOSABLE  Turbidity Visual	ADIONUCLID	
INAL SAMI	PLE PAR	RAMETE	RS	рН	Cond.	FIE ME	MRES COLL SPOSABLE  Turbidity Visual Est. Measu	ADIONUCLID	
TNAL SAMI Sample Date	PLE PAR Sample Time	AMETE c D cfsl	RS bischarge □ gpm□	pH	Cond. (µS/cm)	FIE ME	Turbidity Visual Est. Measu red	ADIONUCLID	
INAL SAMI	PLE PAR Sample Time	AMETE c D cfsl	RS	pH	Cond.	FIE ME	Turbidity Visual Est. Measu red	ADIONUCLID	

1.0111011				
Duplicate Sample-02	(sample control number/time_	n/a	QAQ(	INFO
Field Blank-03	(sample control number/time_	n/a	AVAIL	ABLE IN
Rinsate Sample-04	(sample control number/time_	nla		REPORT
Matrix Spike-MS	(sample control number/time_	n/a		
	(sample control number/time_	nla	)	
Notes:				

Sampler's Signature Broke Man 12/4/24

#### APPENDIX F PHOTOGRAPHS

### APPENDIX F.1 SAMPLE LOCATION 2022-01 PHOTOGRAPHS







### APPENDIX F.2 SAMPLE LOCATION 2022-02 PHOTOGRAPHS





