

Date: September 11, 2025

**To**: Peter Hays

**From**: Christopher Prosper

Project: SWTP 2025

**Subject**: August 2025 Monthly Reporting

**Doc. No.**: 25US0221-4- 1

#### INTRODUCTION

This memorandum contains the requirements for monthly report submittal for the month of August 2025 pursuant to point 29 of Section IV (Standards and Requirements) of the project contract.

#### Section 29

#### A. EMPLOYEE TRAINING AND EQUIPMENT UPDATES FOR SWTP SPILL RESPONSES

No spills occurred onsite.

# **B. VOLUME OF WATER TREATED**

7,125,376 gallons

# C. CHEMICALS/FILTERS CONSUMED

#### Filters:

- 48 cartridge filters
- 0 RO membranes

#### Chemicals:

Caustic (50%): 595 galAntiscalant: 226 gal

Barium Chloride: 210 lbs

#### D. VOLUME OF BRINE RETURNED TO THE MINE POOL

3,787,200 gallons. Due to the issue with the analog input board malfunctioning, the influent flowmeter could not register a flowrate therefore the volume returned to the mine pool is an estimate based on operational data for RO recovery.

# **E. MAINTENANCE PERFORMED**

- Cartridge filter changed out for all RO Cartridge filters
- Fixed leaking seal in RO#1 high pressure pump (on 8/7/2025)
- CIP on RO#1 (High pH CIP only on 8/8/25)



- Adjusted plant alarm setpoints to better capture possible plant shutdowns
- Replaced Analog Input board on RO PLC
- Replaced Power Supply cord on RO PLC
- Routed the power for RO#2 such that it is powered by an extension cord as opposed to being powered through the RO PLC.
- Purchased a new 2" hose with camlock ends to support with chemical makedown and other operational requirements.
- Removed 7 empty chemical totes from site
- Calibrated effluent pH probe
- Replaced valving on antiscalant injection feed prior to RO#2

# F. SAMPLING RESULTS AND QA/QC SUMMARY

Attached as Attachment 1. Some analytes have a turnaround time of 20 days. Results are reported as the summary of the previous month.

#### G. <u>ISSUES ENCOUNTERED AND RESOLUTION</u>

Table 1 Issues and Resolutions

Issues Encountered	Resolution
Leaking Oil from RO#1 High Pressure Pump	Replaced the seal in the pump. Once the seal was replaced, RO#1 was CIP'd before bringing the RO back online. No leaking oil was observed after the maintenance was performed
Sample point SW-AWD was dry when trying to sample	This was documented and no further action is required.
Analog input board on the RO PLC malfunctioned after a suspected power surge. Plant was shutdown as there was no way to control the chemical dosing pumps (BaCl and antiscalant).	Plant was able to be restarted with the chemical dosing pumps being operated in manual. The board was replaced however the issue persisted. Further troubleshooting is required and will be explored in September. The plant continues to operate with the chemical pumps in manual.
Small leak found at the air relief valve at the top of IX2 when operating with 1 RO.	When operating at 2 ROs, the leak stopped. No further action is required
Suspected Minepool VFD fan overheating – During operation, it is suspected that the mine pool VFD overheated and shutdown the plant. No system alarms were triggered to alert the operations team of the shutdown because the IX feed pressure alarm setpoint was marginally too low (pressure was reading 3.89 psi; the low-low alarm was set to 3.00 psi).	In response, the Minepool VFD breaker was reset, the air filters for the fans on the VFD panel in the plant were replaced. To prevent recurrence, the following corrective actions have been implemented:  • Adjusted IX feed pressure alarm setpoints to align more closely with normal operating conditions.  • Reviewed and updated the alarm setpoints to improve operational insight.  • Added weekly inspection of VFD panel filters to the operational calendar to reduce the likelihood of filter-related shutdowns.  • Ordered and received additional VFD filters for more frequent exchange.



# H. Recommendations

- Upgrade the Minepool VFD fans on the VFD panel. The VFD manual calls for 209 cfm fans. The existing 2 fans are rated to 38.8 cfm each
- Upgrade the PLCs controlling the plant. The existing PLCs are outdated and obsolete technology which are becoming increasingly difficult to maintain and operate. Replacement parts also continue to become more challenging to acquire.

#### **Enclosures:**

Attachment 1 July DMR and SW submittal Attachment 2 Daily Reports

**END** 



# ATTACHMENT 1 JULY DMR AND SW SUBMITTAL



Permits and Enforcement Section Water Quality Control Division CPDHE 4300 Cherry Creek Dr. South Denver, CO 80246-1530 08/28/2025 25US0221

Re: Discharge Monitoring Report for July 2025 Schwartzwalder Mine CO0001244

#### TO WHOM IT MAY CONCERN:

On February 10th, 2025 the operations contract for the Schwartzwalder Mine was awarded and the contract started on April 1st, 2025.

During the month of July 2025, there was an exceedance for Total Recoverable arsenic at Outfall 001A. Section 7 of *Amendment Number One to Compliance Order on Consent, Number: IC-150123-1*, amended the Total Recoverable arsenic value to "Report" for the 30-day average. As a new permit has not been issued and discussions with the State indicated no deviation from the "Report" only at this time.

The Total Suspended Solids (TSS) samples taken on July 4<sup>th</sup>, 7<sup>th</sup> and 9<sup>th</sup> were incorrectly analyzed for Total Dissolved Solids (TDS) because of a mistake from Energy Labs. The mistake wasn't found until after the holding time. Attached is a letter from Energy Labs describing the issue. All other TSS samples during the month of July were Non-Detect (ND). Energy Labs assures this mistake will not happen in the future.

Best regards, Linkan

Patale Doly

Patrick M. Delaney
Operator Responsible in Charge (ORC)
Black Fox Mining, LLC



# **Enclosures:**

July 2025 DMR Submittal Letter from Energy Labs

#### CC List:

Electronic Copy sent to the following:

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Linkan Engineering

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**Revised Date:** 08/28/25 **Report Date:** 07/16/25

**CASE NARRATIVE** 

Project: Schwartzwalder Mine Work Order: B25070838

# Revised Report 8/28/2025;

**CLIENT:** 

Due to a laboratory error, total dissolved solids were analyzed instead of total suspended solids as specified on the chain of custody. The error was found after the hold time for total suspended solids had expired.

We apologize for the error and the charge for the workorder will be removed.

DMR Copy of Record

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

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Permit														
Permit #:	CO0001244				Permittee:		Colo Div of Re	eclamation, Mining and Safety		Facility:	SCHWARTZWA	ALDER N	MINE	
Major:	No				Permittee Ac	ldress:	1001 E 62 Av Denver, CO 8			Facility Location:	8300 GLENCO GOLDEN, CO 8		Y RD	
Permitted Feature:	001 External Outfa	ıll			Discharge:		001-A WWTF Discha	arge to Ralston Creek						
Report Dates & Status														
Monitoring Period:	From 07/01/2	5 to 07/31/2	25		DMR Due Da	te:	08/28/25			Status:	NetDMR Valida	ited		
Considerations for Form Completion	on													
Oil and grease - see I.A.2, page 3. An	ntidegradation lir	nits - see C	.2, page	7.										
Principal Executive Officer														
First Name:					Title:					Telephone:				
Last Name:														
No Data Indicator (NODI)														
Form NODI:														
Parameter	Me	onitoring	Season	Param.		Quantity or Loading			Quality or Concentr	ation		# of	Frequency of	Sample Type

	Parameter	Monitoring	Season				Qı	uantity or L	oading.	Quality or Concentration							# of	Frequency of	Sample Type	
Code	Name	Location	#	NODI		Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier	Value 1	Qualifier 2	Value 2	Qualifie 3	value 3	Units	Ex.	Analysis	
					Sample	•		2					=	1.5	=	6.0	19 - mg/L		01/07 - Weekly	CP - Composite
00340	Oxygen demand, chem. [high level] [COD]	1 - Effluent Gross	0		Permit Req.								<=	100.0 30DA AVG	<=	200.0 DAILY MX	19 - mg/L	0	01/07 - Weekly	CP - Composite
					Value NODI															
					Sample						=	6.93			=	8.18	12 - SU		05/WK - Five Per Week	GR - Grab
00400	рН	1 - Effluent Gross	0		Permit Req.							6.5 MINIMUM			<=	9.0 MAXIMUM	12 - SU	0	05/WK - Five Per Week	GR - Grab
					Value NODI															
					Sample								<	10.0	<	10.0 1	19 - mg/L		03/07 - Three Per Week	CP - Composite
00530	Solids, total suspended	1 - Effluent Gross	0		Permit Req.								<=	20.0 30DA AVG	<=		19 - mg/L	0	03/07 - Three Per Week	CP - Composite
					Value NODI															
					Sample										<	u.u	28 - ug/L		02/30 - Twice Per Month	CP - Composite
00718	Cyanide, weak acid, dissociable	1 - Effluent Gross	0		Permit Req.										<=	5.0 DAILY MX	28 - ug/L	0	02/30 - Twice Per Month	CP - Composite
					Value NODI															
					Sample Permit									0.75 ROLL AVG		2	28 -		02/30 - Twice Per	CP - Composite
00718	Cyanide, weak acid, dissociable	P - See Comments	0		Req. Value								<=	B - Below Detection Limit/No		u	ug/L		Month	CF - Composite
					NODI									Detection						
					Sample								=	1.5			19 - mg/L		02/30 - Twice Per Month	CP - Composite
00940	Chloride [as Cl]	1 - Effluent Gross	0		Permit Req.								<=	250.0 30DA AVG		1 n	19 - mg/L	0	02/30 - Twice Per Month	CP - Composite
					Value NODI															
					Sample								=	0.77			19 - mg/L		02/30 - Twice Per Month	CP - Composite
		P - See			Permit											1	19 -		02/30 - Twice Per	

0940	Chloride [as Cl]	Comments	0	 Req.	<=	54.0 ROLL AVG		mg/L 0	Month	CP - Cor
				Value NODI						
				Sample	=	10.0		19 - mg/L	02/30 - Twice Per Month	CP - Co
0945	Sulfate, total [as SO4]	1 - Effluent Gross	0	 Permit Req.	<=	250.0 30DA AVG		19 - mg/L	02/30 - Twice Per Month	CP - Co
				Value NODI						
				Sample	=	6.28		19 - mg/L	02/30 - Twice Per Month	CP - Co
0945	Sulfate, total [as SO4]	P - See	0	 Permit	<=	131.0 ROLL AVG		19 -	02/30 - Twice Per	CP - Co
		Comments		Req. Value				mg/L 0	Month	
				NODI Sample			0.1	19 -	02/30 - Twice Per	CP - Co
00.40	Floreside	1 - Effluent	0	Permit		<		mg/L 19 -	Month 02/30 - Twice Per	CP - Co
)949	Fluoride	Gross	0	 Req. Value		<=	2.0 DAILY MX	mg/L 0	Month	CP - Ci
				NODI				28 -	02/30 - Twice Per	
,		4 540		Sample	=	5.0		ug/L	Month	CP - Co
0978	Arsenic, total recoverable	1 - Effluent Gross	0	 Permit Req.	<=	0.02 30DA AVG		28 - ug/L 1	02/30 - Twice Per Month	CP - Co
				Value NODI						
				Sample	=	25.0		28 - ug/L	02/30 - Twice Per Month	CP - C
980	Iron, total recoverable	1 - Effluent Gross	0	 Permit Req.		Req Mon 30DA AVG		28 - ug/L 0	02/30 - Twice Per Month	CP - C
				Value NODI						
				Sample	=	7.5		28 - ug/L	02/30 - Twice Per Month	CP - C
980	Iron, total recoverable	P - See Comments	0	 Permit		Req Mon ROLL AVG		28 - ug/L 0	02/30 - Twice Per Month	CP - C
		Comments		Req. Value				ug/L	WOTH	
				NODI Sample	=	0.18		19 -	02/30 - Twice Per	CP - C
1022	Boron, total [as B]	1 - Effluent	0	Permit	<=	0.46 30DA AVG		mg/L 19 - mg/l	Month 02/30 - Twice Per Month	
1022	Boron, total [as b]	Gross	U	 Req. Value	<u> </u>	0.40 30DA AVG		mg/L 0	Month	01 - 01
				NODI				28 -	02/30 - Twice Per	
		1 - Effluent		Sample Permit	<	20.0		ug/L	Month	CP - C
1046	Iron, dissolved [as Fe]	Gross	0	 Req.	<=	300.0 30DA AVG		ug/L 0	02/30 - Twice Per Month	CP - C
				Value NODI						
				Sample Permit	<=	45.0 ROLL AVG		28 -	02/30 - Twice Per Month	CP - C
1046	Iron, dissolved [as Fe]	P - See Comments	0	 Req.		B - Below Detection Limit/No		ug/L	Month	01 01
				NODI		Detection Detection				
				Sample	=	1.0		28 - ug/L	02/30 - Twice Per Month	CP - C
1056	Manganese, dissolved [as Mn]	1 - Effluent Gross	0	 Permit Req.	<=	50.0 30DA AVG		28 - ug/L 0	02/30 - Twice Per Month	CP - C
				Value NODI						
				Sample	=	0.4		28 - ug/L	02/30 - Twice Per Month	CP - C
1056	Manganese, dissolved [as Mn]	P - See Comments	0	 Permit Req.	<=	7.5 ROLL AVG		28 - ug/L 0	02/30 - Twice Per Month	
		Comments		Value				ug/L	WOTH	
				NODI Sample						
1050	Thallium, total [as Tl]	1 - Effluent	0	 Permit Req.	<=	0.24 30DA AVG		28 - ug/L	02/30 - Twice Per Month	CP - Co
.000	amam, wai [ao 11]	Gross		Value NODI		B - Below Detection Limit/No Detection				
								28 -	02/30 - Twice Per	CD C
		1 - Effluent		Sample Permit	<	1.0		ug/L	Month 02/30 - Twice Per	CP - C
1097	Antimony, total [as Sb]	Gross	0	 Req. Value	<=	5.6 30DA AVG		ug/L 0	Month	CP - Co
				NODI						

01220	Chromium, hexavalent dissolved [as Cr]	1 - Effluent Gross	0	 Sample Permit Req. Value	<	10.0 Req Mon 30DA AVG	<	10.0 Req Mon DAILY MX	ug/L 28 - ug/L	0	Month 02/30 - Twice Per Month	CP - Composite
01303	Zinc, potentially dissolved	1 - Effluent Gross	0	 NODI Sample Permit Req. Value	<	10.0 Req Mon 30DA AVG	<	10.0 Req Mon DAILY MX	28 - ug/L 28 - ug/L	0	02/30 - Twice Per Month 02/30 - Twice Per Month	CP - Composite CP - Composite
01303	Zinc, potentially dissolved	P - See Comments	0	 NODI Sample Permit Req. Value NODI	=	15.4 Req Mon ROLL AVG			28 - ug/L 28 - ug/L	0	02/30 - Twice Per Month 02/30 - Twice Per Month	CP - Composite CP - Composite
01304	Silver, potentially dissolved	1 - Effluent Gross	0	 Sample Permit Req. Value NODI	<=			0.04 3.5 DAILY MX	28 - ug/L 28 - ug/L	0	02/30 - Twice Per Month 02/30 - Twice Per Month	CP - Composite CP - Composite
01304	Silver, potentially dissolved	P - See Comments	0	 Sample Permit Req. Value NODI	<=	0.02 ROLL AVG  B - Below Detection Limit/No Detection			28 - ug/L		02/30 - Twice Per Month	CP - Composite
01306	Copper, potentially dissolved	1 - Effluent Gross	0	 Permit Req. Value NODI	<=			0.5 18.0 DAILY MX	28 - ug/L 28 - ug/L	0	02/30 - Twice Per Month 02/30 - Twice Per Month	CP - Composite CP - Composite
01306	Copper, potentially dissolved	P - See Comments	0	 Permit Req. Value NODI	= <=	0.09 1.8 ROLL AVG			28 - ug/L 28 - ug/L	0	02/30 - Twice Per Month 02/30 - Twice Per Month	CP - Composite CP - Composite
01313	Cadmium, potentially dissolvd	1 - Effluent Gross	0	 Permit Req. Value NODI	<	1.0 Req Mon 30DA AVG		1.0 Req Mon DAILY MX	28 - ug/L 28 - ug/L	0	02/30 - Twice Per Month 02/30 - Twice Per Month	CP - Composite
01322	Nickel, potentially dissolvd	1 - Effluent Gross	0	 Permit Req. Value NODI	<	5.0 Req Mon 30DA AVG		5.0 Req Mon DAILY MX	28 - ug/L 28 - ug/L	0	02/30 - Twice Per Month 02/30 - Twice Per Month	CP - Composite CP - Composite
01322	Nickel, potentially dissolvd	P - See Comments	0	 Sample Permit Req. Value NODI	<	8.0 Req Mon ROLL AVG			28 - ug/L 28 - ug/L	0	02/30 - Twice Per Month 02/30 - Twice Per Month	CP - Composite
01323	Selenium, potentially dissolvd	1 - Effluent Gross	0	 Sample  Permit Req.  Value NODI	<	1.0 Req Mon 30DA AVG		1.0 Req Mon DAILY MX	28 - ug/L 28 - ug/L	0	02/30 - Twice Per Month 02/30 - Twice Per Month	CP - Composite
01323	Selenium, potentially dissolvd	P - See Comments	0	 Sample  Permit Req.  Value NODI	<	1.0 Req Mon ROLL AVG			28 - ug/L 28 - ug/L	0	02/30 - Twice Per Month 02/30 - Twice Per Month	CP - Composite
03582	Oil and grease	1 - Effluent Gross	0	 Sample Permit Req. Value NODI			<=	10.0 INST MAX  9 - Conditional Monitoring - Not Required This Period	19 - mg/L		77/77 - Contingent	GR - Grab
04262	Chromium, trivalent total recoverable	1 - Effluent Gross	0	 Sample Permit Req. Value				10.0 50.0 DAILY MX	28 - ug/L 28 - ug/L	0	02/30 - Twice Per Month 02/30 - Twice Per Month	CP - Composite

				NODI											
				Sample								00		00/00 Turing Day	
04262	Chromium, trivalent total	P - See	0	 Permit Req.				<=	7.5 ROLL AVG			28 - ug/L		02/30 - Twice Per Month	CP - Composite
	recoverable	Comments		Value NODI					B - Below Detection Limit/No Detection						
				Sample				=	0.15	=	0.2	17 - pCi/L		02/30 - Twice Per Month	CP - Composite
09501	Radium 226, total	1 - Effluent Gross	0	 Permit Req.				<=	10.0 30DA AVG	<=	30.0 DAILY MX	17 - pCi/L	0	02/30 - Twice Per Month	CP - Composite
				Value NODI											
				Sample				=	0.2	=	0.3	17 - pCi/L		02/30 - Twice Per Month	CP - Composite
09503	Radium 226, dissolved	1 - Effluent Gross	0	 Permit Req.				<=	3.0 30DA AVG	<=	10.0 DAILY MX	17 - pCi/L	0	02/30 - Twice Per Month	CP - Composite
				Value NODI											
				Sample				=	0.55			17 - pCi/L		02/30 - Twice Per Month	CP - Composite
11503	Radium 226 + radium 228, total	1 - Effluent Gross	0	 Permit Req.				<=	5.0 30DA AVG			17 - pCi/L	0	02/30 - Twice Per Month	CP - Composite
				Value NODI											
				Sample				=	9.75			28 - ug/L		02/30 - Twice Per Month	CP - Composite
22708	Uranium, total	1 - Effluent Gross	0	 Permit Req.				<=	30.0 30DA AVG			28 - ug/L	0	02/30 - Twice Per Month	CP - Composite
				Value NODI											
				Sample				=	11.14			28 - ug/L		02/30 - Twice Per Month	CP - Composite
22708	Uranium, total	P - See Comments	0	 Permit Req.				<=	22.0 ROLL AVG			28 - ug/L	0	02/30 - Twice Per Month	CP - Composite
				Value NODI											
				Sample		0.293054	03 - MGD							99/99 - Continuous	(auto)
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	 Req.	<= 0.288 30DA AVG	Req Mon DAILY MX	03 - MGD						0	99/99 - Continuous	RC - Recorder (auto)
				Value NODI											
				Sample				<	0.04			19 - mg/L		02/30 - Twice Per Month	CP - Composite
51202	Sulfide-hydrogen sulfide [undissociated]	1 - Effluent Gross	0	 Permit Req.					Req Mon 30DA AVG			19 - mg/L	0	02/30 - Twice Per Month	CP - Composite
				Value NODI											
				Sample				<	0.04			19 - mg/L		02/30 - Twice Per Month	CP - Composite
51202	Sulfide-hydrogen sulfide [undissociated]	P - See Comments	0	 Permit Req.					Req Mon ROLL AVG			19 - mg/L	0	02/30 - Twice Per Month	CP - Composite
				Value NODI											
		4 500		Sample				<	0.1			28 - ug/L		02/30 - Twice Per Month	CP - Composite
71900	Mercury, total [as Hg]	1 - Effluent Gross	0	 Permit Req.					Req Mon 30DA AVG			28 - ug/L	0	02/30 - Twice Per Month	CP - Composite
				Value NODI			0.00							054444 = 5	
		4 540		Sample		0.0	9P - N=0;Y=1							05/WK - Five Per Week	VI - Visual
84066	Oil and grease visual	1 - Effluent Gross	0	 Permit Req.		Req Mon INST MAX	9P - N=0;Y=1							05/WK - Five Per Week	VI - Visual
				Value NODI											

# Submission Note

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

# Edit Check Errors

	Parameter	Monitoring Loggian	Field	Type	Description	Acknowledge
Code	Name	Monitoring Location Field		Туре	Description	Ackilowieuge
00978	Arsenic, total recoverable	1 - Effluent Gross	Quality or Concentration Sample Value 2	Soft	The provided sample value is outside the permit limit. Please verify that the value you have provided is correct.	Yes

#### Comments

Nai	ne	Туре	Size
2025_07_Schwartzwalder_Outfall_001A_Results_7.pdf		pdf	1807698.0
2025_07_Schwartzwalder_Outfall_001A_Cover_Letter.pdf		pdf	320785.0
2025_07_Schwartzwalder_Outfall_001A_Results_5.pdf		pdf	1775319.0
2025_07_Schwartzwalder_Outfall_001A_Results_4.pdf		pdf	1812135.0
2025_07_Schwartzwalder_Outfall_001A_Results_3.pdf		pdf	1777458.0
2025_07_Schwartzwalder_Outfall_001A_Results_2.pdf		pdf	2321741.0
2025_07_Schwartzwalder_Outfall_001A_Results_1.pdf		pdf	2301684.0
2025_07_Schwartzwalder_Outfall_001A_Results_6.pdf		pdf	2041515.0
Report Last Saved By			

Colo Div of Reclamation, Mining and Safety

User: pdelaney@alexcoresource.com

Name: Patrick Delaney

E-Mail: pdelaney@blackfoxmining.com

2025-08-28 12:34 (Time Zone: -06:00) Date/Time:

Report Last Signed By

User: pdelaney@alexcoresource.com

Patrick Delaney Name:

pdelaney@blackfoxmining.com E-Mail:

2025-08-28 12:34 (Time Zone: -06:00) Date/Time:

# **ANALYTICAL SUMMARY REPORT**

August 11, 2025

Linkan Engineering 2720 Ruby Vista Dr Ste 101 Elko, NV 89801-4943

Work Order: B25071646 Quote ID: B17287

Project Name: Schwartzwalder Mine

Energy Laboratories Inc Billings MT received the following 1 sample for Linkan Engineering on 7/18/2025 for analysis.

Lab ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
B25071646-001	Outfall 001A	07/15/25 14:30	07/18/25	Aqueous	Metals by ICP/ICPMS, Dissolved Metals by ICP/ICPMS, Potentially Dissolved Metals by ICP/ICPMS, Total Recoverable Cyanide, Weak Acid Dissociable Chromium, Hexavalent Chromium, Total Recoverable Trivalent Mercury, Total Anions by Ion Chromatography Metals Digestion by E200.2 Preparation, Potentially Dissolved Filtration Mercury Digestion by E245.1 Radium 226 + Radium 228 Radium 226, Dissolved Radium 226, Total Radium 228, Total Sulfide, Methylene Blue Colorime

The analyses presented in this report were performed by Energy Laboratories, Inc., 1120 So. 27th Street, Billings, MT 59101, unless otherwise noted. Any exceptions or problems with the analyses are noted in the report package. Any issues encountered during sample receipt are documented in the Work Order Receipt Checklist.

The results as reported relate only to the item(s) submitted for testing. This report shall be used or copied only in its entirety. Energy Laboratories, Inc. is not responsible for the consequences arising from the use of a partial report.

Energy Laboratories, Inc. verifies the reported results for the analysis has been technically reviewed and approved for release.

If you have any questions regarding these test results, please contact your Project Manager.

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**Report Date:** 08/11/25

CLIENT: Linkan Engineering
Project: Schwartzwalder Mine

Work Order: B25071646 CASE NARRATIVE

Tests associated with analyst identified as ELI-CA were subcontracted to Energy Laboratories, PO Box 247, Casper, WY, EPA Number WY00002.

#### LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

 Client:
 Linkan Engineering
 Report Date:
 08/11/25

 Project:
 Schwartzwalder Mine
 Collection Date:
 07/15/25 14:30

 Lab ID:
 B25071646-001
 DateReceived:
 07/18/25

 Client Sample ID:
 Outfall 001A
 Matrix:
 Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL Method	Analysis Date / By
INORGANICO						
INORGANICS				4	F000 0	07/40/05 00 50 /
Chloride		mg/L		1	E300.0	07/19/25 00:56 / caa
Sulfate		mg/L		1	E300.0	07/19/25 00:56 / caa
Fluoride		mg/L	J	0.1	E300.0	07/19/25 00:56 / caa
Cyanide, Weak Acid Dissociable		ug/L		1 0.04	Kelada-01 A4500-S D	07/18/25 13:30 / fap
Sulfide	ND	mg/L		0.04	A4500-S D	07/21/25 16:59 / pmw
METALS, DISSOLVED						
Chromium, Hexavalent	ND	ug/L	Н	10	A3500-Cr B	07/18/25 15:29 / mjb
Iron	10	U	J	20	E200.8	07/22/25 18:52 / aem
Manganese	1	ug/L		1	E200.8	07/22/25 18:52 / aem
METALS, POTENTIALLY DISSOLVED						
Cadmium	ND	ug/L		1	E200.8	07/22/25 21:13 / aem
Copper	0.1	ug/L	JL	0.5	E200.8	07/23/25 17:19 / aem
Nickel	0.2	ug/L	J	5	E200.8	07/22/25 21:13 / aem
Selenium	ND	ug/L		1	E200.8	07/22/25 21:13 / aem
Silver	ND	ug/L	L	0.04	E200.8	07/22/25 21:13 / aem
Zinc	5	ug/L	J	10	E200.8	07/22/25 21:13 / aem
METALS, TOTAL RECOVERABLE						
Arsenic	6	ug/L		1	E200.8	07/26/25 10:25 / jks
Chromium	ND	ug/L		5	E200.8	07/26/25 10:25 / jks
Chromium, Trivalent	ND	ug/L		10	0	07/28/25 08:24 / bap
Iron	20	ug/L		20	E200.8	07/26/25 10:25 / jks
Uranium	9	ug/L		0.3	E200.8	07/26/25 10:25 / jks
METALS, TOTAL						
Antimony	ND	ug/L		1	E200.8	07/26/25 10:25 / jks
Boron	180	ug/L		50	E200.7	07/23/25 15:31 / jaw
Mercury	ND	ug/L		0.1	E245.1	07/21/25 16:39 / mjb
Thallium	ND	ug/L		0.5	E200.8	07/26/25 10:25 / jks
RADIONUCLIDES - DISSOLVED						
Radium 226	0.1	pCi/L	U		E903.0	08/07/25 13:18 / eli-ca
Radium 226 precision (±)	0.1	pCi/L			E903.0	08/07/25 13:18 / eli-ca
Radium 226 MDC	0.2	pCi/L			E903.0	08/07/25 13:18 / eli-ca
RADIONUCLIDES - TOTAL						
Radium 226	0.1	pCi/L	U		E903.0	08/06/25 17:15 / eli-ca
Radium 226 precision (±)		pCi/L			E903.0	08/06/25 17:15 / eli-ca
Radium 226 MDC		pCi/L			E903.0	08/06/25 17:15 / eli-ca
Radium 228		pCi/L	U		RA-05	07/30/25 16:02 / eli-ca
Radium 228 precision (±)	0.5	pCi/L			RA-05	07/30/25 16:02 / eli-ca
Radium 228 MDC	0.9	pCi/L			RA-05	07/30/25 16:02 / eli-ca
Radium 226 + Radium 228	0.5	pCi/L	U		A7500-RA	08/07/25 10:47 / eli-ca

Report Definitions:

RL - Analyte Reporting Limit

Pefinitions: QCL - Quality Control Limit

H - Analysis performed past the method holding time

L -Lowest available reporting limit for the analytical method used and/or volume submitted

MCL - Maximum Contaminant Level

ND - Not detected at the Reporting Limit (RL)

 $\mbox{\bf J}$  - Estimated value - analyte was present but less than the Reporting Limit (RL)

U - Not detected

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# LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client:Linkan EngineeringReport Date:08/11/25Project:Schwartzwalder MineCollection Date:07/15/25 14:30Lab ID:B25071646-001DateReceived:07/18/25Client Sample ID:Outfall 001AMatrix:Aqueous

Analyses	Result Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - TOTAL						
Radium 226 + Radium 228 precision (±)	0.6 pCi/L				A7500-RA	08/07/25 10:47 / eli-ca
Radium 226 + Radium 228 MDC	0.9 pCi/L				A7500-RA	08/07/25 10:47 / eli-ca

Report RL - Analyte Reporting Limit

Definitions: QCL - Quality Control Limit

MCL - Maximum Contaminant Level



Prepared by Billings, MT Branch

Work O	rder: B25071646							Re	port Date:	07/28/25	
Analyte		Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method:	A3500-Cr B								Analytical I	Run: SPEC3	_250718A
Lab ID:	CCV	Coi	ntinuing Cal	ibration Verifi	cation Standar	d				07/18	/25 11:28
Chromium	, Hexavalent		0.0990	mg/L	0.010	99	90	110			
Method:	A3500-Cr B									Batch:	R446058
Lab ID:	MBLK	Me	thod Blank				Run: SPEC	3_250718A		07/18	/25 11:28
Chromium	, Hexavalent		ND	mg/L	0.003						
Lab ID:	LCS	Lab	ooratory Cor	ntrol Sample			Run: SPEC	3_250718A		07/18	/25 11:28
Chromium	, Hexavalent		0.0962	mg/L	0.010	96	90	110			
Lab ID:	B25071621-001AMS	Sar	mple Matrix	Spike			Run: SPEC	3_250718A		07/18	/25 11:28
Chromium	, Hexavalent		0.0934	mg/L	0.010	93	80	120			
Lab ID:	B25071621-001AMSD	) Sar	mple Matrix	Spike Duplica	ate		Run: SPEC	3_250718A		07/18	/25 11:28
Chromium	, Hexavalent		0.0911	mg/L	0.010	91	80	120	2.5	20	



Prepared by Billings, MT Branch

**Work Order:** B25071646 **Report Date:** 07/28/25

Analyte		Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method:	A4500-S D									Batch:	R446162
Lab ID:	MBLK	Me	thod Blank				Run: SPEC	3_250721A		07/21/	25 16:59
Sulfide			ND	mg/L	0.01						
Lab ID:	LCS	Lat	ooratory Cor	ntrol Sample			Run: SPEC	3_250721A		07/21/	25 16:59
Sulfide			0.191	mg/L	0.040	99	85	115			
Lab ID:	B25071655-001HMS	Sai	mple Matrix	Spike			Run: SPEC	3_250721A		07/21/	25 16:59
Sulfide			0.365	mg/L	0.040	95	70	130			
Lab ID:	B25071655-001HMSI	<b>D</b> Sai	mple Matrix	Spike Duplicate			Run: SPEC	3_250721A		07/21/	25 16:59
Sulfide			0.367	mg/L	0.040	95	70	130	0.5	20	



Prepared by Billings, MT Branch

Work C	Order: B25071646							Repo	rt Date:	07/28/25	
Analyte		Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method:	E200.7							Anal	ytical Ru	n: ICP205-B_	_250723A
Lab ID:	ICV	Co	ntinuing Cal	ibration Ver	ification Standar	rd				07/23/	/25 13:20
Boron			2.49	mg/L	0.10	100	95	105			
Lab ID:	ccv	Co	ntinuing Cal	ibration Ver	ification Standar	rd				07/23/	/25 15:21
Boron			2.50	mg/L	0.10	100	90	110			
Method:	E200.7									Batc	h: 201686
Lab ID:	MB-201686	Me	thod Blank				Run: ICP20	5-B_250723A		07/23/	/25 15:16
Boron			ND	mg/L	0.008						
Lab ID:	LCS3-201686	Lak	oratory Cor	ntrol Sample	е		Run: ICP20	5-B_250723A		07/23/	/25 15:17
Boron			1.04	mg/L	0.050	104	85	115			
Lab ID:	B25071614-001BMS3	<b>3</b> Sai	mple Matrix	Spike			Run: ICP20	5-B_250723A		07/23/	/25 15:25
Boron			2.13	mg/L	0.10	106	70	130			
Lab ID:	B25071614-001BMSI	<b>)3</b> Sai	mple Matrix	Spike Dupli	icate		Run: ICP20	5-B_250723A		07/23/	/25 15:26
Boron			2.14	mg/L	0.10	107	70	130	8.0	20	

Prepared by Billings, MT Branch

**Work Order:** B25071646 **Report Date:** 07/28/25

Analyte		Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD RPDLimit	Qual
Method:	E200.8							Analytic	al Run: ICPMS207-B	_250721A
Lab ID:	QCS	7 Initial	Calibratio	n Verificatio	on Standard				07/22/	25 18:11
Cadmium			0.0195	mg/L	0.0010	97	90	110		
Iron			0.190	mg/L	0.020	95	90	110		
Manganes	se		0.191	mg/L	0.0050	96	90	110		
Nickel			0.0376	mg/L	0.0050	94	90	110		
Selenium			0.0383	mg/L	0.0050	96	90	110		
Silver			0.0188	mg/L	0.0050	94	90	110		
Zinc			0.0378	mg/L	0.0050	95	90	110		
Lab ID:	ccv	7 Contir	uing Cali	ibration Veri	fication Standa	rd			07/22/	25 18:17
Cadmium			0.0488	mg/L	0.0010	98	90	110		
Iron			1.23	mg/L	0.020	95	90	110		
Manganes	se		0.0486	mg/L	0.0050	97	90	110		
Nickel			0.0473	mg/L	0.0050	95	90	110		
Selenium			0.0487	mg/L	0.0050	97	90	110		
Silver			0.0196	mg/L	0.0050	98	90	110		
Zinc			0.0477	mg/L	0.0050	95	90	110		
Lab ID:	ccv	7 Contir	uing Cali	ibration Veri	fication Standa	rd			07/22/	25 20:55
Cadmium			0.0490	mg/L	0.0010	98	90	110		
Iron			1.27	mg/L	0.020	98	90	110		
Manganes	se		0.0486	mg/L	0.0050	97	90	110		
Nickel			0.0476	mg/L	0.0050	95	90	110		
Selenium			0.0503	mg/L	0.0050	101	90	110		
Silver			0.0202	mg/L	0.0050	101	90	110		
Zinc			0.0471	mg/L	0.0050	94	90	110		
Method:	E200.8								Batch:	R446131
Lab ID:	LRB	7 Metho	d Blank				Run: ICPMS	S207-B_250721	A 07/21/	25 11:33
Cadmium			ND	mg/L	3E-6					
Iron			ND	mg/L	0.001					
Manganes	se		ND	mg/L	0.00003					
Nickel			ND	mg/L	0.0001					
Selenium		0	.00008	mg/L	0.00003					
Silver			ND	mg/L	3E-6					
Zinc			ND	mg/L	0.001					
Lab ID:	LFB	7 Labora	atory For	tified Blank			Run: ICPMS	S207-B_250721	A 07/21/	25 11:57
Cadmium			0.0476	mg/L	0.0010	95	85	_ 115		
Iron			5.21	mg/L	0.020	104	85	115		
Manganes	se		0.0516	mg/L	0.0050	103	85	115		
Nickel			0.0487	mg/L	0.0050	97	85	115		
Selenium			0.0496	mg/L	0.0050	99	85	115		
Silver			0.0193	mg/L	0.0050	96	85	115		
Zinc			0.0502	mg/L	0.0050	100	85	115		

Qualifiers:

RL - Analyte Reporting Limit

Prepared by Billings, MT Branch

**Work Order:** B25071646 **Report Date:** 07/28/25

Analyte		Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method:	E200.8									Batch:	R446131
Lab ID:	B25071646-001BMS	7 Sai	mple Matrix	Spike			Run: ICPMS	S207-B_250721 <i>F</i>	A	07/22	/25 18:58
Cadmium			0.0481	mg/L	0.0010	96	70	130			
Iron			4.88	mg/L	0.020	97	70	130			
Manganes	е		0.0496	mg/L	0.0010	97	70	130			
Nickel			0.0462	mg/L	0.0050	92	70	130			
Selenium			0.0479	mg/L	0.0010	96	70	130			
Silver			0.0190	mg/L	0.0010	95	70	130			
Zinc			0.0473	mg/L	0.010	91	70	130			
_ab ID:	B25071646-001BMSD	7 Sai	mple Matrix	Spike Dup	olicate		Run: ICPMS	S207-B_250721 <i>F</i>	A	07/22	/25 19:04
Cadmium			0.0498	mg/L	0.0010	100	70	130	3.5	20	
Iron			5.01	mg/L	0.020	100	70	130	2.6	20	
Manganes	е		0.0514	mg/L	0.0010	101	70	130	3.6	20	
Nickel			0.0475	mg/L	0.0050	95	70	130	2.8	20	
Selenium			0.0498	mg/L	0.0010	100	70	130	3.9	20	
Silver			0.0197	mg/L	0.0010	98	70	130	3.3	20	
Zinc			0.0486	mg/L	0.010	94	70	130	2.7	20	
_ab ID:	MB-201683	7 Me	thod Blank				Run: ICPMS	S207-B_250721 <i>F</i>	Ą	07/22	/25 21:07
Cadmium			ND	mg/L	9E-6						
Iron			0.004	mg/L	0.001						
Manganes	e		ND	mg/L	0.00003						
Nickel			0.0001	mg/L	0.0001						
Selenium			ND	mg/L	0.00003						
Silver			ND	mg/L	3E-6						
Zinc			0.001	mg/L	0.001						
Method:	E200.8							Analytica	l Run: I	CPMS208-B	_250725 <i>A</i>
Lab ID:	QCS	6 Init	ial Calibration	on Verifica	tion Standard					07/26	/25 03:42
Antimony			0.0385	mg/L	0.0050	96	90	110			
Arsenic			0.0384	mg/L	0.0050	96	90	110			
Chromium			0.0380	mg/L	0.010	95	90	110			
Iron			0.203	mg/L	0.020	102	90	110			
Thallium			0.0395	mg/L	0.0050	99	90	110			
Uranium			0.0368	mg/L	0.00030	92	90	110			
Lab ID:	ccv	6 Co	ntinuing Cal	libration Ve	erification Standa	rd				07/26	/25 09:56
Antimony			0.0495	mg/L	0.0050	99	90	110			
Arsenic			0.0472	mg/L	0.0050	94	90	110			
Chromium			0.0465	mg/L	0.010	93	90	110			
Iron			1.31	mg/L	0.020	101	90	110			
Thallium			0.0456	mg/L	0.0050	91	90	110			
Uranium			0.0474	mg/L	0.00030	95	90	110			

Qualifiers:

RL - Analyte Reporting Limit

Prepared by Billings, MT Branch

**Work Order:** B25071646 **Report Date:** 07/28/25

Analyte		Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method:	E200.8							Analytical	Run: I	CPMS209-B	_250723A
Lab ID:	QCS	Init	ial Calibratio	n Verificatio	n Standard					07/23/	/25 16:34
Copper			0.0365	mg/L	0.010	91	90	110			
Lab ID:	CCV	Coi	ntinuing Cali	ibration Veri	fication Standar	d				07/23/	/25 16:39
Copper			0.0467	mg/L	0.010	93	90	110			
Method:	E200.8									Batc	h: 201686
Lab ID:	MB-201686	6 Me	thod Blank				Run: ICPMS	S209-B_250723A		07/25	/25 03:10
Antimony			ND	mg/L	0.00002						
Arsenic			ND	mg/L	0.00003						
Chromium			ND	mg/L	0.0003						
Iron			ND	mg/L	0.004						
Thallium			ND	mg/L	80000.0						
Uranium			ND	mg/L	0.00001						
Lab ID:	LCS4-201686	6 Lab	oratory Cor	ntrol Sample			Run: ICPMS	S209-B_250723A		07/25	/25 03:15
Antimony			0.0985	mg/L	0.0050	99	85	115			
Arsenic			0.0912	mg/L	0.0010	91	85	115			
Chromium			0.0900	mg/L	0.0010	90	85	115			
Iron			0.489	mg/L	0.010	98	85	115			
Thallium			0.0947	mg/L	0.0010	95	85	115			
Uranium			0.0921	mg/L	0.00030	92	85	115			
Lab ID:	B25071606-002EMS4	6 Sar	mple Matrix	Spike			Run: ICPMS	S209-B_250723A		07/25	/25 06:15
Antimony			0.107	mg/L	0.0010	107	70	130			
Arsenic			0.0915	mg/L	0.0010	91	70	130			
Chromium			0.0901	mg/L	0.0050	90	70	130			
Iron			0.491	mg/L	0.020	96	70	130			
Thallium			0.0998	mg/L	0.00050	100	70	130			
Uranium			0.0972	mg/L	0.00030	97	70	130			
Lab ID:	B25071606-002EMSD	<b>)4</b> 6 Sar	mple Matrix	Spike Duplic	cate		Run: ICPMS	S209-B_250723A		07/25	/25 06:20
Antimony			0.103	mg/L	0.0010	103	70	130	3.6	20	
Arsenic			0.0912	mg/L	0.0010	91	70	130	0.3	20	
Chromium			0.0901	mg/L	0.0050	90	70	130	0.0	20	
Iron			0.493	mg/L	0.020	97	70	130	0.3	20	
Thallium			0.0975	mg/L	0.00050	98	70	130	2.3	20	
Uranium			0.0975	mg/L	0.00030	97	70	130	0.3	20	
Method:	E200.8									Batch:	R446300
Lab ID:	LRB	Me	thod Blank				Run: ICPMS	S209-B_250723A		07/23/	/25 11:27
Copper			ND	mg/L	0.00005						
Lab ID:	LFB	Lab	oratory For	tified Blank			Run: ICPMS	S209-B_250723A		07/23	/25 11:44
Copper			0.0459	mg/L	0.010	92	85	115			
Lab ID:	MB-201683	Me	thod Blank				Run: ICPM	S209-B_250723A		07/23/	/25 17:14
Copper			0.0009	mg/L	0.00005						

Qualifiers:

RL - Analyte Reporting Limit

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# **QA/QC Summary Report**

Prepared by Billings, MT Branch

Work Order: B25071646 Report Date: 07/28/25

Analyte		Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method:	E200.8									Batch:	R446300
Lab ID:	B25071646-001DMS	Sar	nple Matrix	Spike			Run: ICPM	S209-B_250723A		07/23/	/25 17:25
Copper			0.0448	mg/L	0.0050	89	70	130			
Lab ID:	B25071646-001DMSD	<b>)</b> Sar	mple Matrix	Spike Du	plicate		Run: ICPM	S209-B_250723A		07/23/	/25 17:30
Copper			0.0455	mg/L	0.0050	91	70	130	1.5	20	



Prepared by Billings, MT Branch

Work C	Order: B25071646							Repo	rt Date	: 07/28/25	
Analyte		Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method:	E245.1							Analytic	al Run:	HGCV203-B	_250721A
Lab ID:	ICV-201625	Init	ial Calibratio	on Verifica	tion Standard					07/21/	/25 15:09
Mercury			0.00211	mg/L	0.00010	106	90	110			
Lab ID:	CCV1	Co	ntinuing Cal	ibration Ve	erification Standa	rd				07/21/	/25 15:10
Mercury			0.00253	mg/L	0.00010	101	95	105			
Lab ID:	ccv	Co	ntinuing Cal	ibration Ve	erification Standa	rd				07/21/	/25 16:34
Mercury			0.00251	mg/L	0.00010	100	90	110			
Method:	E245.1									Batc	h: 201655
Lab ID:	MB-201655	Me	thod Blank				Run: HGCV	/203-B_250721 <i>A</i>	4	07/21/	/25 16:12
Mercury			ND	mg/L	0.00006						
Lab ID:	LCS-201655	Lat	ooratory Cor	ntrol Samp	le		Run: HGCV	/203-B_250721 <i>A</i>	A	07/21/	/25 16:13
Mercury			0.00212	mg/L	0.00010	106	85	115			
Lab ID:	B25071652-003BMS	Sai	mple Matrix	Spike			Run: HGCV	/203-B_250721 <i>A</i>	A	07/21/	/25 16:45
Mercury			0.00212	mg/L	0.00010	106	70	130			
Lab ID:	B25071652-003BMSI	<b>D</b> Sai	mple Matrix	Spike Dup	olicate		Run: HGCV	/203-B_250721 <i>F</i>	A	07/21/	/25 16:46
Mercury			0.00210	mg/L	0.00010	105	70	130	8.0	30	

Prepared by Billings, MT Branch

 Work Order:
 B25071646

 Report Date:
 07/28/25

Analyte		Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method:	E300.0							Analytical	Run: IC N	METROHM 1	_250717A
Lab ID:	ICV	3 Init	ial Calibratio	on Verificati	on Standard					07/17	/25 11:39
Chloride			25.6	mg/L	1.0	103	90	110			
Sulfate			103	mg/L	1.0	103	90	110			
Fluoride			1.24	mg/L	0.10	100	90	110			
Lab ID:	ccv	3 Co	ntinuing Cal	ibration Ver	ification Standar	ď				07/18	/25 23:17
Chloride			26.4	mg/L	1.0	106	90	110			
Sulfate			107	mg/L	1.0	107	90	110			
Fluoride			1.29	mg/L	0.10	103	90	110			
Method:	E300.0									Batch	: R446054
Lab ID:	ICB	3 Me	thod Blank				Run: IC ME	TROHM 1_250	)717A	07/17	/25 11:56
Chloride			ND	mg/L	0.1						
Sulfate			ND	mg/L	0.7						
Fluoride			ND	mg/L	0.009						
Lab ID:	LFB	3 Lat	ooratory For	tified Blank			Run: IC ME	TROHM 1_250	)717A	07/17	/25 12:12
Chloride			25.8	mg/L	1.0	103	90	110			
Sulfate			105	mg/L	1.1	105	90	110			
Fluoride			1.28	mg/L	0.10	102	90	110			
Lab ID:	B25071563-003AMS	3 Sa	mple Matrix	Spike			Run: IC ME	TROHM 1_250	)717A	07/18	/25 23:50
Chloride			51.0	mg/L	1.0	94	90	110			
Sulfate			215	mg/L	1.0	94	90	110			
Fluoride			1.19	mg/L	0.10	94	90	110			
Lab ID:	B25071563-003AMSD	3 Sa	mple Matrix	Spike Dupli	cate		Run: IC ME	TROHM 1_250	)717A	07/19	/25 00:06
Chloride			51.2	mg/L	1.0	95	90	110	0.4	20	
Sulfate			216	mg/L	1.0	94	90	110	0.3	20	
Fluoride			1.20	mg/L	0.10	94	90	110	0.6	20	

#### Qualifiers:

RL - Analyte Reporting Limit



Prepared by Billings, MT Branch

Work (	Order: B25071646							Repoi	rt Date	07/28/25	
Analyte		Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method:	Kelada-01							Analyti	ical Run	: SFA-202-B	_250718A
Lab ID:	ICV	Initia	al Calibration	on Verification St	andard					07/18/	/25 11:36
Cyanide,	Weak Acid Dissociable		0.0101	mg/L	0.0010	101	90	110			
Lab ID:	ccv	Con	itinuing Cal	ibration Verificati	on Standa	rd				07/18/	/25 12:25
Cyanide,	Weak Acid Dissociable		0.0104	mg/L	0.0010	104	90	110			
Method:	Kelada-01									Batch:	R446065
Lab ID:	ICB	Met	hod Blank				Run: SFA-2	202-B_250718A		07/18/	/25 11:37
Cyanide,	Weak Acid Dissociable		ND	mg/L	0.0007						
Lab ID:	LFB	Lab	oratory For	tified Blank			Run: SFA-2	202-B_250718A		07/18/	/25 11:39
Cyanide,	Weak Acid Dissociable		0.0102	mg/L	0.0010	102	90	110			
Lab ID:	LCS1-ZnCN	Lab	oratory Co	ntrol Sample			Run: SFA-2	202-B_250718A		07/18/	/25 11:41
Cyanide,	Weak Acid Dissociable		0.00989	mg/L	0.0010	99	90	110			
Lab ID:	B25071478-001EMS	San	nple Matrix	Spike			Run: SFA-2	202-B_250718A		07/18/	/25 12:05
Cyanide,	Weak Acid Dissociable		0.0112	mg/L	0.0010	112	80	120			
Lab ID:	B25071478-001EMSE	<b>)</b> San	nple Matrix	Spike Duplicate			Run: SFA-2	202-B_250718A		07/18/	/25 12:09
Cyanide,	Weak Acid Dissociable		0.0112	mg/L	0.0010	112	80	120	0.2	10	



Prepared by Casper, WY Branch

Work Order: B25071646							Rep	ort Date	: 08/08/25	
Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E903.0									Batch: RA2	226-11760
Lab ID: LCS-RA226-11760	3 Labo	oratory Cor	ntrol Sample			Run: TENN	NELEC-3_2507	28A	08/07	/25 13:18
Radium 226		8.8	pCi/L		88	70	130			
Radium 226 precision (±)		1.4	pCi/L							
Radium 226 MDC		0.19	pCi/L							
Lab ID: MB-RA226-11760	3 Meth	nod Blank				Run: TENN	NELEC-3_2507	28A	08/07	/25 13:18
Radium 226		-0.01	pCi/L							U
Radium 226 precision (±)		0.09	pCi/L							
Radium 226 MDC		0.2	pCi/L							
Lab ID: C25070854-002DDU	JP 3 Sam	ple Duplic	ate			Run: TENN	NELEC-3_2507	28A	08/07	/25 15:40
Radium 226		0.033	pCi/L					26	30	U
Radium 226 precision (±)		0.099	pCi/L							
Radium 226 MDC		0.16	pCi/L							
- The RER result is 0.06.										
Method: E903.0									Batch: RA2	226-11758
Lab ID: LCS-RA226-11758	3 Labo	oratory Cor	ntrol Sample			Run: TENN	NELEC-4_2507	23D	08/06	/25 16:47
Radium 226		10	pCi/L		105	70	130			
Radium 226 precision (±)		1.7	pCi/L							
Radium 226 MDC		0.15	pCi/L							
Lab ID: MB-RA226-11758	3 Meth	nod Blank				Run: TENN	NELEC-4_2507	23D	08/06	/25 16:47
Radium 226		-0.04	pCi/L							U
Radium 226 precision (±)		80.0	pCi/L							
Radium 226 MDC		0.2	pCi/L							
Lab ID: C25070583-002EDU	JP 3 Sam	ple Duplic	ate			Run: TENN	NELEC-4_2507	23D	08/06	/25 16:47
Radium 226		1.6	pCi/L					8.1	30	
Radium 226 precision (±)		0.35	pCi/L							
Radium 226 MDC		0.26	pCi/L							

#### Qualifiers:

RL - Analyte Reporting Limit

- The RER result is 0.26.

U - Not detected



- The RER result is 0.26.

# **QA/QC Summary Report**

Prepared by Casper, WY Branch

Work Order: B25071646				<b>Report Date:</b> 08/08/25	
Analyte	Count	Result	Units	RL %REC Low Limit High Limit RPD RPDLimit Q	ual

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: RA-05									Batch: RA2	28-7721R
Lab ID: LCS-228-	- <b>RA226-11758</b> 3 La	aboratory Cor	ntrol Sample			Run: TENN	ELEC-4_250723E	3	07/30/	25 16:02
Radium 228		7.2	pCi/L		78	70	130			
Radium 228 precisio	n (±)	1.9	pCi/L							
Radium 228 MDC		0.74	pCi/L							
Lab ID: MB-RA22	<b>26-11758</b> 3 M	lethod Blank				Run: TENN	ELEC-4_250723E	3	07/30/	25 16:02
Radium 228		0.4	pCi/L							U
Radium 228 precisio	n (±)	0.5	pCi/L							
Radium 228 MDC		8.0	pCi/L							
Lab ID: C250705	<b>83-002EDUP</b> 3 S	ample Duplic	ate			Run: TENN	ELEC-4_250723E	3	07/30/	25 16:02
Radium 228		4.0	pCi/L					11	30	
Radium 228 precisio	n (±)	1.3	pCi/L							
Radium 228 MDC		1.0	pCi/L							

# **Work Order Receipt Checklist**

# Linkan Engineering

Login completed by: Crystal M. Jones

# B25071646

Date Received: 7/18/2025

Reviewed by:	mstephens		Rec	eived by: TAR	
Reviewed Date:	7/21/2025		Carri	er name: Return-Fe	dEx NDA
Shipping container/cooler in o	good condition?	Yes 🗹	No 🗌	Not Present	
Custody seals intact on all sh	nipping container(s)/cooler(s)?	Yes √	No 🗌	Not Present	
Custody seals intact on all sa	ample bottles?	Yes	No 🗌	Not Present 🗸	
Chain of custody present?		Yes 🔽	No 🗌		
Chain of custody signed whe	en relinquished and received?	Yes 🔽	No 🗌		
Chain of custody agrees with	sample labels?	Yes 🗸	No 🗌		
Samples in proper container/	bottle?	Yes 🗸	No 🗌		
Sample containers intact?		Yes 🗸	No 🗌		
Sufficient sample volume for	indicated test?	Yes 🗸	No 🗌		
All samples received within h (Exclude analyses that are co such as pH, DO, Res CI, Sul	onsidered field parameters	Yes	No 🗹		
Temp Blank received in all sh	nipping container(s)/cooler(s)?	Yes 🗹	No 🗌	Not Applicable	
Container/Temp Blank tempe	erature:	11.9°C Melted Ice			
Containers requiring zero heabubble that is <6mm (1/4").	adspace have no headspace or	Yes	No 🗌	No VOA vials submitted	$\square$
Water - pH acceptable upon	receipt?	Yes ✓	No 🗌	Not Applicable	

# **Standard Reporting Procedures:**

Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH, Dissolved Oxygen and Residual Chlorine, are qualified as being analyzed outside of recommended holding time.

Solid/soil samples are reported on a wet weight basis (as received) unless specifically indicated. If moisture corrected, data units are typically noted as –dry. For agricultural and mining soil parameters/characteristics, all samples are dried and ground prior to sample analysis.

The reference date for Radon analysis is the sample collection date. The reference date for all other Radiochemical analyses is the analysis date. Radiochemical precision results represent a 2-sigma Total Measurement Uncertainty.

For methods that require zero headspace or require preservation check at the time of analysis due to potential interference, the pH is verified at analysis. Nonconforming sample pH is documented as part of the analysis and included in the sample analysis comments.

Trip Blanks and/or Blind Duplicate samples are assigned the earliest collection time for the associated requested analysis in order to evaluate the holding time unless specifically indicated.

#### **Contact and Corrective Action Comments:**

The sample for potentially dissolved metals analysis was subsampled and filtered in the laboratory. According to the Code of Colorado Regulation these samples should be filtered within 8 to 96 hours of preservation with nitric acid to a

# Work Order Receipt Checklist - Continued

# Linkan Engineering

B25071646

pH < 2.

The sample for hexavalent chromium was received past the 24-hour hold time. Proceed with analysis past hold per phone conversation with Chris Prosper on 07/18/25. CMJ 07/18/25

# Laboratory Certifications and Accreditations

Current certificates are available at <a href="www.energylab.com">www.energylab.com</a> website:

	Agency	Number		
	Alaska	17-023		
	California	3087		
	Colorado	MT00005		
	Department of Defense (DoD)/ISO17025	ADE-2588		
Billings, MT	Florida (Primary NELAP)	E87668		
	Idaho	MT00005		
d	Louisiana	05079		
ANAB	Montana	CERT0044		
ANSI National Accreditation Board ACCREDITED	Nebraska	NE-OS-13-04		
TESTING LABORATORY	Nevada	NV-C24-00250		
ACCRE	North Dakota	R-007		
ALL DE CONTRACTOR OF THE PARTY	National Radon Proficiency	109383-RMP		
TNI	Oregon	4184		
BORATON	South Dakota	ARSD 74:04:07		
	Texas	TX-C24-00302		
	US EPA Region VIII	Reciprocal		
	USDA Soil Permit	P330-20-00170		
	Washington	C1039		
	Alaska	20-006		
	California	3021		
	Colorado	WY00002		
	Florida (Primary NELAP)	E87641		
	Idaho	WY00002		
Caspor IA/V	Louisiana	05083		
Casper, WY	Montana	CERT0002		
LAP ACCREDING	Nebraska	NE-OS-08-04		
TNI	Nevada	NV-C24-00245		
GABORATORY	North Dakota	R-125		
	Oregon	WY200001		
	South Dakota	WY00002		
	Texas	T104704181-23-21		
	US EPA Region VIII	WY00002		
	USNRC License	49-26846-01		
	Washington	C1012		
Gillette, WY	US EPA Region VIII	WY00006		
	Colorado	MT00945		
Helena, MT	Montana	CERT0079		
	Nevada	NV-C24-00119		
	US EPA Region VIII	Reciprocal		
	USDA Soil Permit	P330-20-00090		

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# Chain of Custody & Analytical Request Record

www.energylab.com

Page 1 of 1

Account Information (Billing Information)		Report Information (if different than Account information)	THOM (IL DINE)	rent man Acc	ount informatic	(uı	Comments	ents	
Company/Name Linkan		Company/Name Linkan	can				Outfall	001A - Bi-	Outfall 001A - Bi-Weekly Sample
Contact Chris Prosper		Contact	Alex Schwiebert	t					
Phone 775-777-8003		Phone 775	775-397-6779						
Mailing Address 2720 Ruby Vista Dr		Mailing Address 272	2720 Ruby Vista Dr	a Dr		4	Please	email Rep	Please email Report and EDD results to:
City, State, Zip Elko, NV 89801		City, State, Zip Elko	Elko, NV 89801				chris.p	chris.prosper@linkan.com	kan.com
Email AP@linkan.com		Email see	see comments				adam.h	adam.billin@linkan.com	adam.billin@linkan.com
□Hard Copy ■Email	Receive Report	Receive Report	rd Copy EEmail	ail			peter.h	peter.havs@state.co.us	CO.US
Purchase Order Quote 25-0152 H17287	Bottle Order   タマチィ /	Special Report/Formats:  ☐ LEVEL IV ☐NELAC		T (contact labor	■ EDD/EDT (contact laboratory) □ Other.			)	7,
Project Information	11. 61	Matrix Codes			Analysis	Analysis Requested	ted		
Project Name, PWSID, Permit, etc. Schwarfzwalder Mine	r Mine	A- AIr		əld					All turnaround times are
Sampler Name Bruch Accord Sampler Ph	Sampler Phone 7 / 238 / 6/69	\$ 0	wni	vera		enia			RUSH.
Sample Origin State Colorado EPA/State	EPA/State Compliance ■ Yes □ No	S - Solids V - Vegetation						-	Energy Laboratories MUST be contacted prior to
URANIUM MINING CLIENTS MUST indicate sample type  ☐ Unprocessed Ore ☐ Processed Ore (Ground or Refined) **CALL BEFORE SENDING	ype	B - Bioassay O - Oil DW - Writing	1) Juell	rlossiQ	Potent ed DAW ,e	Methy Netric	, 226, E	ttacheo	RUSH sample submittal for charges and scheduling – See Instructions Page
11(e)2 Byproduct Material (Can ONLY be Submitted to	Collection	Matrix	XSVS		Nos	əbiî	unib		Carlo City
Sample Identification (Name, Location, Interval, etc.)	Date , Time	Containers	θН		siQ	Ins			TAT Laboratory Use Only
1 Outfall 001A	3/15/05 1436	×						•	1325071646
2		)						•	
3									
4									
5									
9									
7									
8									
ELI Is REQUIRED to provide preservative traceability. If the	vative traceability. If the	preservatives suppli	ed with the b	ottle order w	vere NOT us	ed. please	attach your pr	eservative inf	he preservatives supplied with the bottle order were NOT used. please attach vour preservative information with this COC.
Custody Relinquished by printy Record	Date/Ine /1530	Signature		Received by (print)	(print)		Date/Time		Signature
		Signature		Received by	Received by Laboratory (print)	int)	Date Time	25 1030	Signature Thu
			RA	ONLY	10 To		) (TE)	STATE OF	
Shipped By Cooler ID(s) Custody Seals	Infact Rece	ipt Temp Blank	On Ice	99	CC Cash Check	ype	Amount		Receipt Number (cashchack only)
	Ш	Ц							

In certain circumstances, samples submitted to Energy Laboratories, Inc. may be subcontracted to other certified laboratories in order to complete the analysis requested.

This serves as notice of this possibility. All subcontracted data will be clearly notated on your analytical report.





# **BOTTLE ORDER 193741**

Linkan Engineering SHIPPED TO:

To report an issue with this order, view Safety Data Sheets, or let us know how we are doing, scan here or go to energylab.com/contact-us

Shipped From: Billings, MT Ship Date: 4/17/2025

Order Created by: Yvonna E. Smith

VIA: Ground Quote Used: 17287 Num of Samp Notes Preservative Critical Hold Time Tests Method Bottles Per Samp Bottle Size/Type

Schwartzwalder Mine-Outfall 001A Monthly + Weekly

Project: Phone:

400 Corporate Circle, Suite H

Contact: Chris Prosper

Golden CO 80401 (719) 247-0564 Outfall 001A Weekly COD ( 4 Sets)

HACH 8000 Preparation for COD testing HACH 8000 Chemical Oxygen Demand

1 E410.4

500 mL Plastic

H2S04

Fill to the neck of the container. Solids, Total Suspended Outfall 001A Three Times Weekly TSS (12 Sets) 1 A2540 D 1 Liter Plastic Wide Mouth

Outfall 001A Bi-Weekly ( 2 Sets)

	-	1					
250 mL Plastic	-	A3500-Cr B	A3500-Cr B Chromium, Hexavalent	24.00 hrs			_
		E300.0	Anions by Ion Chromatography				
250 mL Plastic	~	E200.7_8	E200.7_8 Metals by ICP/ICPMS, Dissolved		EONH	Filter before preservation	~
250 mL Plastic	_	E200.7_8	E200.7_8 Metals by ICP/ICPMS, Total Recoverable		EONH		_
		Calculation	Calculation Chromium, Total Recoverable Trivalent				
		E245.1	Mercury, Total				
		E200.2	Metals Digestion by E200.2				
		E245.1	Mercury Digestion by E245.1				

BO#: 193741

1 of 2

250 mL Plastic	1 E200.7_8	1 E200.7_8 Metals by ICP/ICPMS, Potentially Dissolved	HNO3		~
	MCAWW	Preparation, Potentially Dissolved Filtration			
500 mL Amber Plastic	1 Kelada-01	Kelada-01 Cyanide, Weak Acid Dissociable	NaOH		<b>-</b>
250 mL Plastic	1 A4500-S D	A4500-S D Sulfide, Methylene Blue Colorimetric	ZnAc	Zero headspace	<del>-</del>
			NaOH		
1 Gallon Plastic	1 E903.0	Radium 226, Dissolved	HNO3	Filter before preservation	_
1 Gallon Plastic	1 A7500-RA	A7500-RA Radium 226 + Radium 228	HNO3	This now only requires one (1) 15mL	-
	E903.0	Radium 226, Total		nitric acid vial for preservation.	
	RA-05	Radium 228, Total			

Comments

HNO3 - Nitric Acid H2SO4 - Sulfuric Acid	H2SO4 - Sulfuric Acid	NaOH - Sodium Hydroxide	We strongly suggest that the samples are
ZnAc - Zinc Acetate HCI - Hydrochloric Acid	HCI - Hydrochloric Acid	H3PO4 - Phosphoric Acid	shipped the same day as they are collecte
Material Safety Data Sheets(N	(ISDS) Available @ Ener	Material Safety Data Sheets(MSDS) Available @ EnergyLab.com ->Services -> MSDS Sheets	
Corrosive Chemicals: Nitric, Sulfuric,	Phosphoric, Hydrochloric Acid	Corrosive Chemicals: Nitric, Sulfuric, Phosphoric, Hydrochloric Acids and Sodium Hydroxide. Zinc Acetate is a skin irritant.	
Subcontracting of sample analyses to an outside laboratory may be laboratories will be indicated within the Laboratory Analytical Report.	noutside laboratory may be requaboratory Analytical Report.	ired. If so, Energy Laboratories will utilize its branch laborato	Subcontracting of sample analyses to an outside laboratory may be required. If so, Energy Laboratories will utilize its branch laboratories or qualified contract laboratories for this service. Any such laboratories will be indicated within the Laboratory Analytical Report.



# **ANALYTICAL SUMMARY REPORT**

August 08, 2025

Linkan Engineering 2720 Ruby Vista Dr Ste 101 Elko, NV 89801-4943

Work Order: B25071973 Quote ID: B17287

Project Name: Schwartzwalder Mine

Energy Laboratories Inc Billings MT received the following 1 sample for Linkan Engineering on 7/23/2025 for analysis.

Lab ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
B25071973-001	Outfall 001A	07/22/25 14:20	0 07/23/25	Aqueous	Metals by ICP/ICPMS, Dissolved Metals by ICP/ICPMS, Potentially Dissolved Metals by ICP/ICPMS, Total Recoverable Cyanide, Weak Acid Dissociable Chromium, Hexavalent Chromium, Total Recoverable Trivalent Mercury, Total Anions by Ion Chromatography Metals Digestion by E200.2 Preparation, Potentially Dissolved Filtration Mercury Digestion by E245.1 Radium 226 + Radium 228 Radium 226, Dissolved Radium 226, Total Radium 228, Total Sulfide, Methylene Blue Colorime

The analyses presented in this report were performed by Energy Laboratories, Inc., 1120 So. 27th Street, Billings, MT 59101, unless otherwise noted. Any exceptions or problems with the analyses are noted in the report package. Any issues encountered during sample receipt are documented in the Work Order Receipt Checklist.

The results as reported relate only to the item(s) submitted for testing. This report shall be used or copied only in its entirety. Energy Laboratories, Inc. is not responsible for the consequences arising from the use of a partial report.

Energy Laboratories, Inc. verifies the reported results for the analysis has been technically reviewed and approved for release.

If you have any questions regarding these test results, please contact your Project Manager.

#### LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

 Client:
 Linkan Engineering
 Report Date:
 08/08/25

 Project:
 Schwartzwalder Mine
 Collection Date:
 07/22/25 14:20

 Lab ID:
 B25071973-001
 DateReceived:
 07/23/25

 Client Sample ID:
 Outfall 001A
 Matrix:
 Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL Method	Analysis Date / By
INORGANICS						
Chloride	2	mg/L		1	E300.0	07/23/25 22:27 / caa
Sulfate	12	mg/L		1	E300.0	07/23/25 22:27 / caa
Fluoride	0.02	mg/L	J	0.1	E300.0	07/23/25 22:27 / caa
Cyanide, Weak Acid Dissociable	ND	ug/L		1	Kelada-0	1 07/24/25 15:06 / fap
Sulfide	ND	mg/L		0.04	A4500-S	D 07/24/25 11:23 / pmw
METALS, DISSOLVED						
Chromium, Hexavalent	ND	ug/L		10	A3500-C	B 07/23/25 11:45 / aem
Iron	20	ug/L	J	20	E200.8	07/25/25 23:21 / jks
Manganese	1	ug/L		1	E200.7	07/24/25 16:30 / enb
METALS, POTENTIALLY DISSOLVED						
Cadmium	ND	ug/L		1	E200.8	07/25/25 23:42 / jks
Copper	0.3	ug/L	JL	0.5	E200.8	07/31/25 22:36 / jks
Nickel	0.1	ug/L	J	5	E200.8	07/25/25 23:42 / jks
Selenium	ND	ug/L		1	E200.8	07/25/25 23:42 / jks
Silver	ND	ug/L	L	0.04	E200.8	07/27/25 12:32 / jks
Zinc	ND	ug/L		10	E200.8	07/25/25 23:42 / jks
METALS, TOTAL RECOVERABLE						
Arsenic	4	ug/L		1	E200.8	07/26/25 12:43 / jks
Chromium	ND	ug/L		5	E200.8	07/26/25 12:43 / jks
Chromium, Trivalent		ug/L		10	Calculation	on 08/01/25 09:17 / jbm
Iron	30	ug/L		20	E200.8	08/01/25 14:30 / aem
Uranium	10.5	ug/L		0.3	E200.8	07/26/25 12:43 / jks
METALS, TOTAL						
Antimony		ug/L		1	E200.8	07/26/25 12:43 / jks
Boron		ug/L		50	E200.7	07/25/25 17:07 / enb
Mercury	ND	ug/L		0.1	E245.1	07/24/25 10:24 / mjb
Thallium	ND	ug/L		0.5	E200.8	07/26/25 12:43 / jks
RADIONUCLIDES - DISSOLVED						
Radium 226		pCi/L			E903.0	08/07/25 15:40 / eli-ca
Radium 226 precision (±)	0.1	pCi/L			E903.0	08/07/25 15:40 / eli-ca
Radium 226 MDC	0.2	pCi/L			E903.0	08/07/25 15:40 / eli-ca
RADIONUCLIDES - TOTAL						
Radium 226	0.2	pCi/L			E903.0	08/07/25 13:15 / eli-ca
Radium 226 precision (±)	0.1	pCi/L			E903.0	08/07/25 13:15 / eli-ca
Radium 226 MDC	0.1	pCi/L			E903.0	08/07/25 13:15 / eli-ca
Radium 228	0.6	pCi/L	U		RA-05	07/31/25 13:53 / eli-ca
Radium 228 precision (±)	0.5	pCi/L			RA-05	07/31/25 13:53 / eli-ca
Radium 228 MDC		pCi/L			RA-05	07/31/25 13:53 / eli-ca
Radium 226 + Radium 228	0.6	pCi/L	U		A7500-R	A 08/08/25 10:59 / eli-ca

Report Definitions:

RL - Analyte Reporting Limit

QCL - Quality Control Limit

J - Estimated value - analyte was present but less than the

Reporting Limit (RL)

U - Not detected

MCL - Maximum Contaminant Level

ND - Not detected at the Reporting Limit (RL)

L -Lowest available reporting limit for the analytical method used and/or volume submitted

### LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

 Client:
 Linkan Engineering
 Report Date:
 08/08/25

 Project:
 Schwartzwalder Mine
 Collection Date:
 07/22/25 14:20

 Lab ID:
 B25071973-001
 DateReceived:
 07/23/25

 Client Sample ID:
 Outfall 001A
 Matrix:
 Aqueous

Analyses	Result Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - TOTAL						
Radium 226 + Radium 228 precision (±)	0.5 pCi/L				A7500-RA	08/08/25 10:59 / eli-ca
Radium 226 + Radium 228 MDC	0.8 pCi/L				A7500-RA	08/08/25 10:59 / eli-ca

Report RL - Analyte Reporting Limit

Definitions: QCL - Quality Control Limit

MCL - Maximum Contaminant Level



Prepared by Casper, WY Branch

Work Order: B25071973							Rep	ort Date	: 08/08/25	
Analyte	Count F	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E903.0									Batch: RA2	226-11760
Lab ID: LCS-RA226-11760	3 Labora	atory Con	trol Sample			Run: TENN	NELEC-3_2507	728A	08/07	/25 13:18
Radium 226		8.8	pCi/L		88	70	130			
Radium 226 precision (±)		1.4	pCi/L							
Radium 226 MDC		0.19	pCi/L							
Lab ID: MB-RA226-11760	3 Method	d Blank				Run: TENN	NELEC-3_2507	728A	08/07	/25 13:18
Radium 226		-0.01	pCi/L							U
Radium 226 precision (±)		0.09	pCi/L							
Radium 226 MDC		0.2	pCi/L							
Lab ID: C25070854-002DDL	JP 3 Sampl	e Duplica	ate			Run: TENN	NELEC-3_2507	728A	08/07	/25 15:40
Radium 226		0.033	pCi/L					26	30	U
Radium 226 precision (±)		0.099	pCi/L							
Radium 226 MDC		0.16	pCi/L							
- The RER result is 0.06.										
Method: E903.0									Batch: RA2	226-11763
Lab ID: LCS-RA226-11763	3 Labora	atory Con	trol Sample			Run: TENN	NELEC-4_2507	725H	08/07	/25 10:20
Radium 226		10	pCi/L		100	70	130			
Radium 226 precision (±)		1.6	pCi/L							
Radium 226 MDC		0.13	pCi/L							
Lab ID: MB-RA226-11763	3 Metho	d Blank				Run: TENN	NELEC-4_2507	725H	08/07	/25 10:20
Radium 226		0.05	pCi/L							U
Radium 226 precision (±)		0.08	pCi/L							
Radium 226 MDC		0.1	pCi/L							
Lab ID: C25070615-004ADL	JP 3 Sampl	e Duplica	ate			Run: TENN	NELEC-4_2507	725H	08/07	/25 13:15
Radium 226		2.3	pCi/L					2.4	30	
Radium 226 precision (±)		0.43	pCi/L							
Radium 226 MDC		0.15	pCi/L							

### Qualifiers:

RL - Analyte Reporting Limit

- The RER result is 0.09.

U - Not detected



Prepared by Casper, WY Branch

Work Order: B25071973 Report Date: 08/08/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: RA-05									Batch: RA	228-7724
Lab ID: LCS-228-RA226-117	<b>63</b> 3 Lal	ooratory Cor	ntrol Sample			Run: TENN	IELEC-4_25072	5E	07/31	/25 13:53
Radium 228		8.2	pCi/L		89	70	130			
Radium 228 precision (±)		2.2	pCi/L							
Radium 228 MDC		0.86	pCi/L							
Lab ID: MB-RA226-11763	3 Me	thod Blank				Run: TENN	IELEC-4_25072	5E	07/31	/25 13:53
Radium 228		0.3	pCi/L							U
Radium 228 precision (±)		0.5	pCi/L							
Radium 228 MDC		8.0	pCi/L							
Lab ID: C25070615-004ADU	<b>P</b> 3 Sa	mple Duplic	ate			Run: TENN	IELEC-4_25072	5E	07/31	/25 13:53
Radium 228		2.5	pCi/L					1.4	30	
Radium 228 precision (±)		0.93	pCi/L							
Radium 228 MDC		0.89	pCi/L							
- The RER result is 0.03.										



Prepared by Billings, MT Branch

Work Order: B25071973							Re	port Date:	08/04/25	
Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A3500-Cr B								Analytical F	Run: SPEC3	_250723B
Lab ID: CCV	Con	tinuing Cal	ibration Verificatio	n Standa	rd				07/23	/25 11:45
Chromium, Hexavalent		0.0984	mg/L	0.010	98	90	110			
Method: A3500-Cr B									Batch:	R446279
Lab ID: MBLK	Met	hod Blank				Run: SPEC	3_250723B		07/23	/25 11:45
Chromium, Hexavalent		ND	mg/L	0.003						
Lab ID: LCS	Lab	oratory Cor	ntrol Sample			Run: SPEC	3_250723B		07/23	/25 11:45
Chromium, Hexavalent		0.102	mg/L	0.010	102	90	110			
Lab ID: B25071973-001AMS	San	nple Matrix	Spike			Run: SPEC	3_250723B		07/23	/25 11:45
Chromium, Hexavalent		0.0999	mg/L	0.010	100	80	120			
Lab ID: B25071973-001AMSI	<b>)</b> San	nple Matrix	Spike Duplicate			Run: SPEC	3_250723B		07/23	/25 11:45
Chromium, Hexavalent		0.0999	mg/L	0.010	100	80	120	0.0	20	



Prepared by Billings, MT Branch

Work Order: B25071973 Report Date: 08/04/25

								•			
Analyte		Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method:	E200.7							Anal	ytical Ru	n: ICP205-B	_250724B
Lab ID:	ICV	Co	ntinuing Cal	ibration Verific	ation Standard	t				07/24	/25 14:44
Mangane	se		2.43	mg/L	0.010	97	95	105			
Lab ID:	ccv	Co	ntinuing Cal	ibration Verific	ation Standard	t				07/24	/25 16:16
Mangane	se		2.38	mg/L	0.010	95	90	110			
Method:	E200.7									Batch	: R446447
Lab ID:	MB-5900DIS250724A	Me	thod Blank				Run: ICP20	5-B_250724B		07/24	/25 14:59
Mangane	se		ND	mg/L	0.0004						
Lab ID:	LFB-5900DIS250724A	<b>\</b> Lal	ooratory For	tified Blank			Run: ICP20	5-B_250724B		07/24	/25 15:00
Mangane	se		5.41	mg/L	0.010	108	85	115			
Lab ID:	B25071970-018BMS2	Sa	mple Matrix	Spike			Run: ICP20	5-B_250724B		07/24	/25 16:22
Mangane	se		5.07	mg/L	0.0010	100	70	130			
Lab ID:	B25071970-018BMSD	<b>)2</b> Sa	mple Matrix	Spike Duplica	te		Run: ICP20	5-B_250724B		07/24	/25 16:24
Mangane	se		5.04	mg/L	0.0010	99	70	130	0.5	20	
Method:	E200.7							Anal	ytical Ru	n: ICP205-B	_250725A
Lab ID:	ICV	Co	ntinuing Cal	ibration Verific	ation Standard	d				07/25	/25 14:52
Boron			2.53	mg/L	0.10	101	95	105			
Lab ID:	CCV	Co	ntinuing Cal	ibration Verific	ation Standard	t				07/25	/25 16:53
Boron			2.46	mg/L	0.10	99	90	110			
Method:	E200.7									Bato	h: 201819
Lab ID:	MB-201819	Me	thod Blank				Run: ICP20	5-B_250725A		07/25	/25 16:52
Boron			ND	mg/L	0.008						
Lab ID:	LCS3-201819	Lal	ooratory Cor	ntrol Sample			Run: ICP20	5-B_250725A		07/25	/25 16:56
Boron			1.04	mg/L	0.10	104	85	115			
Lab ID:	B25071949-001CMS3	Sa	mple Matrix	Spike			Run: ICP20	5-B_250725A		07/25	/25 17:01
Boron			1.06	mg/L	0.050	104	70	130			
Lab ID:	B25071949-001CMSE	<b>)3</b> Sa	mple Matrix	Spike Duplica	te		Run: ICP20	5-B_250725A		07/25	/25 17:02
Boron			1.08	mg/L	0.050	105	70	130	1.4	20	

Qualifiers:

RL - Analyte Reporting Limit

**Report Date:** 08/04/25



Prepared by Billings, MT Branch

Method:   E200.8	33/01/20	(	<b></b>								52001 1070	
Initial Calibration   Verification Standard   Union   Union	RPDLimit C	) R	RPD	High Limit	Low Limit	%REC	RL	Units	Result	Count		Analyte
Iron	PMS207-B_25	ICF	ical Run:	Analytica							E200.8	Method:
Lab ID:         CCV         Continuing Calibration Verification Standard 1.28 mg/L         0.020 99 90 110           Method:         E200.8         Run: ICPMS207-B_250801A           Lab ID:         MB-201819 MB-201819         Method Blank ND mg/L         Run: ICPMS207-B_250801A           Method:         E200.8         Analytical Run: IC           Lab ID:         QCS         Initial Calibration Verification Standard 0.0378 mg/L         0.010 95 90 110           Lab ID:         CCV         Continuing Calibration Verification Standard 0.0481 mg/L         0.010 96 90 110           Method:         E200.8         Run: ICPMS208-B_250731A           Lab ID:         LRB         Method Blank ND mg/L 0.00007         Run: ICPMS208-B_250731A           Copper         Method Blank ND mg/L 0.010 91 85 115           Lab ID:         MB-202012 Method Blank 0.0001 mg/L 0.00007         Run: ICPMS208-B_250731A           Copper         Method Blank 0.0001 mg/L 0.00007         Run: ICPMS208-B_250731A           Lab ID:         B25072338-001AMS         Sample Matrix Spike 0.0050 94 70 130	08/01/25						andard	n Verification S	tial Calibratic	Ini	QCS	Lab ID:
Iron				110	90	98	0.020	mg/L	0.197			Iron
Method:         E200.8           Lab ID:         MB-201819         Method Blank Iron         ND mg/L         0.004         Run: ICPMS207-B_250801A           Method:         E200.8         Analytical Run: IC           Lab ID:         QCS         Initial Calibration Verification Standard 0.0378 mg/L         0.010 95 90 110           Lab ID:         CCV         Continuing Calibration Verification Standard 0.0481 mg/L         NO 100 96 90 110           Method:         E200.8         Lab ID: LRB         Method Blank ND mg/L         Run: ICPMS208-B_250731A           Copper         ND mg/L         0.00007         Run: ICPMS208-B_250731A           Copper         Method Blank 0.0454 mg/L         Run: ICPMS208-B_250731A         Run: ICPMS208-B_250731A           Lab ID:         MB-202012 Method Blank 0.0001 mg/L         Run: ICPMS208-B_250731A         Run: ICPMS208-B_250731A           Copper         0.0001 mg/L         0.00007         Run: ICPMS208-B_250731A           Lab ID:         B25072338-001AMS         Sample Matrix Spike Ng/L         Run: ICPMS208-B_250731A           Copper         0.0612 mg/L         0.0050 94 70 130	08/01/25					rd	on Standaı	bration Verifica	ntinuing Cali	Co	ccv	Lab ID:
Lab ID:         MB-201819         Method Blank Iron         ND         mg/L         0.004         Run: ICPMS207-B_250801A           Method:         E200.8         Analytical Run: IC           Lab ID:         QCS         Initial Calibration Verification Standard One of the part of the				110	90	99	0.020	mg/L	1.28			Iron
Method:   E200.8	Batch: 2										E200.8	Method:
Method:         E200.8         Analytical Run: IC           Lab ID:         QCS         Initial Calibration Verification Standard         0.010         95         90         110           Lab ID:         CCV         Continuing Calibration Verification Standard         Standard         0.0481         Mg/L         0.010         96         90         110           Method:         E200.8         E200.8         Run: ICPMS208-B_250731A         Run: ICPMS208-B_250731A         Run: ICPMS208-B_250731A           Copper         ND         mg/L         0.00007         Run: ICPMS208-B_250731A         Run: ICPMS208-B_250731A           Lab ID:         MB-202012         Method Blank         Run: ICPMS208-B_250731A         Run: ICPMS208-B_250731A           Copper         0.0001         mg/L         0.00007         Run: ICPMS208-B_250731A           Lab ID:         B25072338-001AMS         Sample Matrix Spike         Run: ICPMS208-B_250731A           Copper         0.0612         mg/L         0.0050         94         70         130	08/01/25		01A	S207-B_250801 <i>F</i>	Run: ICPMS				thod Blank	Me	MB-201819	Lab ID:
Lab ID:         QCS         Initial Calibration Verification Standard           Copper         0.0378 mg/L         0.010 95 90 110           Lab ID:         CCV         Continuing Calibration Verification Standard         Standard           Copper         0.0481 mg/L         0.010 96 90 110           Method:         E200.8         E200.8           Lab ID:         LRB         Method Blank ND mg/L         Run: ICPMS208-B_250731A           Copper         ND mg/L         0.00007           Lab ID:         LFB         Laboratory Fortified Blank Ng/L         Run: ICPMS208-B_250731A           Copper         0.0454 mg/L         0.010 91 85 115           Lab ID:         MB-202012 Method Blank Ng/L         Run: ICPMS208-B_250731A           Copper         0.0001 mg/L         0.00007           Lab ID:         B25072338-001AMS         Sample Matrix Spike Run: ICPMS208-B_250731A           Copper         0.0612 mg/L         0.0050 94 70 130							0.004	mg/L	ND			Iron
Copper         0.0378         mg/L         0.010         95         90         110           Lab ID: Copper         CCV Continuing Calibration Verification Standard 0.0481         Standard mg/L         0.010         96         90         110           Method: E200.8         E200.8         Run: ICPMS208-B_250731A           Lab ID: LRB         Method Blank Copper         ND mg/L         0.00007         Run: ICPMS208-B_250731A           Copper         Laboratory Fortified Blank 0.0454         Run: ICPMS208-B_250731A         Run: ICPMS208-B_250731A           Lab ID: Lab ID: MB-202012         Method Blank 0.0001         Run: ICPMS208-B_250731A         Run: ICPMS208-B_250731A           Copper         B25072338-001AMS         Sample Matrix Spike 0.0050         Run: ICPMS208-B_250731A           Copper         Run: ICPMS208-B_250731A         Run: ICPMS208-B_250731A	PMS208-B_25	ICF	ical Run:	Analytica							E200.8	Method:
Lab ID:         CCV         Continuing Calibration Verification Standard         O.010         96         90         110           Method:         E200.8         Lab ID: LRB         Method Blank	07/31/25						andard	n Verification S	tial Calibratic	Init	QCS	Lab ID:
Copper         0.0481         mg/L         0.010         96         90         110           Method:         E200.8         Run: ICPMS208-B_250731A           Lab ID:         LRB         Method Blank         Run: ICPMS208-B_250731A           Copper         0.0454         mg/L         0.010         91         85         115           Lab ID:         MB-202012         Method Blank         Run: ICPMS208-B_250731A           Copper         0.0001         mg/L         0.00007           Lab ID:         B25072338-001AMS         Sample Matrix Spike         Run: ICPMS208-B_250731A           Copper         0.0612         mg/L         0.0050         94         70         130				110	90	95	0.010	mg/L	0.0378			Copper
Method:         E200.8           Lab ID:         LRB         Method Blank         Run: ICPMS208-B_250731A           Copper         ND         mg/L         0.00007           Lab ID:         LFB         Laboratory Fortified Blank         Run: ICPMS208-B_250731A           Copper         0.0454         mg/L         0.010         91         85         115           Lab ID:         MB-202012         Method Blank         Run: ICPMS208-B_250731A           Copper         0.0001         mg/L         0.00007           Lab ID:         B25072338-001AMS         Sample Matrix Spike         Run: ICPMS208-B_250731A           Copper         0.0612         mg/L         0.0050         94         70         130	07/31/25					rd	on Standaı	bration Verifica	ntinuing Cali	Co	ccv	Lab ID:
Lab ID:         LRB         Method Blank Copper         Run: ICPMS208-B_250731A           Lab ID:         LFB Copper         Laboratory Fortified Blank 0.0454 mg/L         0.010 91 85 115           Lab ID:         MB-202012 Copper         Method Blank 0.0001 mg/L         Run: ICPMS208-B_250731A           Lab ID:         B25072338-001AMS Copper         Sample Matrix Spike 0.0050 94 70 130         Run: ICPMS208-B_250731A				110	90	96	0.010	mg/L	0.0481			Copper
Copper         ND         mg/L         0.00007           Lab ID:         LFB         Laboratory Fortified Blank O.0454         Run: ICPMS208-B_250731A           Copper         MB-202012         Method Blank O.0001         Run: ICPMS208-B_250731A           Copper         0.0001         mg/L         0.00007           Lab ID:         B25072338-001AMS         Sample Matrix Spike O.0050         Run: ICPMS208-B_250731A           Copper         0.0612         mg/L         0.0050         94         70         130	Batch: R4										E200.8	Method:
Lab ID:         LFB         Laboratory Fortified Blank O.0454 mg/L         Run: ICPMS208-B_250731A           Lab ID:         MB-202012         Method Blank O.0001 mg/L         Run: ICPMS208-B_250731A           Copper         0.0001 mg/L         0.00007           Lab ID:         B25072338-001AMS         Sample Matrix Spike O.0050         Run: ICPMS208-B_250731A           Copper         0.0612 mg/L         0.0050         94         70         130	07/31/25		31A	S208-B_250731 <i>F</i>	Run: ICPMS				thod Blank	Me	LRB	Lab ID:
Copper         0.0454         mg/L         0.010         91         85         115           Lab ID:         MB-202012         Method Blank 0.0001         Run: ICPMS208-B_250731A           Copper         0.00001         mg/L         0.00007           Lab ID:         B25072338-001AMS         Sample Matrix Spike 0.0612         Run: ICPMS208-B_250731A           Copper         0.0612         mg/L         0.0050         94         70         130							0.00007	mg/L	ND			Copper
Lab ID:         MB-202012         Method Blank         Run: ICPMS208-B_250731A           Copper         0.0001         mg/L         0.00007           Lab ID:         B25072338-001AMS         Sample Matrix Spike         Run: ICPMS208-B_250731A           Copper         0.0612         mg/L         0.0050         94         70         130	07/31/25		31A	S208-B_250731 <i>A</i>	Run: ICPMS			ified Blank	boratory For	La	LFB	Lab ID:
Copper         0.0001         mg/L         0.00007           Lab ID:         B25072338-001AMS         Sample Matrix Spike         Run: ICPMS208-B_250731A           Copper         0.0612         mg/L         0.0050         94         70         130				115	85	91	0.010	mg/L	0.0454			Copper
Lab ID:         B25072338-001AMS         Sample Matrix Spike         Run: ICPMS208-B_250731A           Copper         0.0612 mg/L         0.0050         94         70         130	07/31/25		31A	S208-B_250731A	Run: ICPMS				thod Blank	Me	MB-202012	Lab ID:
Copper 0.0612 mg/L 0.0050 94 70 130							0.00007	mg/L	0.0001			Copper
	08/01/25		31A	S208-B_250731 <i>F</i>	Run: ICPMS			Spike	mple Matrix	Sa	B25072338-001AMS	Lab ID:
Lab ID: B25072338-001AMSD Sample Matrix Spike Duplicate Run: ICPMS208-B_250731A				130	70	94	0.0050	mg/L	0.0612			Copper
	08/01/25		31A	S208-B_250731 <i>A</i>	Run: ICPMS			Spike Duplicate	mple Matrix	<b>D</b> Sa	B25072338-001AMS	Lab ID:
Copper 0.0646 mg/L 0.0050 101 70 130 5.4	20	1	5.4	130	70	101	0.0050		•			Copper

Qualifiers:

RL - Analyte Reporting Limit

Work Order: B25071973

Prepared by Billings, MT Branch

Work Order: B25071973 Report Date: 08/04/25

Analyte		Count F	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method:	E200.8							Analytic	cal Run: I	CPMS209-B	_250725A
Lab ID:	QCS	11 Initial (	Calibratio	on Verification	on Standard					07/25	/25 20:27
Antimony		C	0.0404	mg/L	0.0050	101	90	110			
Arsenic		C	0.0377	mg/L	0.0050	94	90	110			
Cadmium		C	0.0211	mg/L	0.0010	105	90	110			
Chromium	1	C	0.0378	mg/L	0.010	95	90	110			
Iron			0.213	mg/L	0.020	107	90	110			
Nickel		C	0.0377	mg/L	0.0050	94	90	110			
Selenium		C	0.0377	mg/L	0.0050	94	90	110			
Silver		C	0.0208	mg/L	0.0050	104	90	110			
Thallium		C	0.0428	mg/L	0.0050	107	90	110			
Uranium		C	0.0419	mg/L	0.00030	105	90	110			
Zinc			0.0368	mg/L	0.0050	92	90	110			
Lab ID:	ccv	11 Contin	uing Cal	ibration Veri	ification Standa	rd				07/25	/25 23:04
Antimony		C	0.0477	mg/L	0.0050	95	90	110			
Arsenic		C	0.0474	mg/L	0.0050	95	90	110			
Cadmium		C	0.0485	mg/L	0.0010	97	90	110			
Chromium	1	C	0.0477	mg/L	0.010	95	90	110			
Iron			1.36	mg/L	0.020	104	90	110			
Nickel		C	0.0466	mg/L	0.0050	93	90	110			
Selenium		C	0.0475	mg/L	0.0050	95	90	110			
Silver		C	0.0194	mg/L	0.0050	97	90	110			
Thallium		C	0.0494	mg/L	0.0050	99	90	110			
Uranium		C	0.0504	mg/L	0.00030	101	90	110			
Zinc		C	0.0456	mg/L	0.0050	91	90	110			
Lab ID:	QCS	11 Initial (	Calibratio	on Verificatio	on Standard					07/26	/25 09:32
Antimony		C	0.0419	mg/L	0.0050	105	90	110			
Arsenic		C	0.0380	mg/L	0.0050	95	90	110			
Cadmium		C	0.0197	mg/L	0.0010	98	90	110			
Chromium	1	C	0.0381	mg/L	0.010	95	90	110			
Iron			0.202	mg/L	0.020	101	90	110			
Nickel		C	0.0382	mg/L	0.0050	96	90	110			
Selenium		C	0.0382	mg/L	0.0050	95	90	110			
Silver		C	0.0196	mg/L	0.0050	98	90	110			
Thallium			0.0402	mg/L	0.0050	100	90	110			
Uranium		C	0.0386	mg/L	0.00030	96	90	110			
Zinc			0.0379	mg/L	0.0050	95	90	110			
Lab ID:	ccv	11 Contin	uing Cal	ibration Veri	ification Standa	rd				07/26	/25 12:32
Antimony		C	0.0536	mg/L	0.0050	107	90	110			
Arsenic		C	0.0473	mg/L	0.0050	95	90	110			
Cadmium		C	0.0497	mg/L	0.0010	99	90	110			
Chromium	1	C	0.0474	mg/L	0.010	95	90	110			
Iron			1.25	mg/L	0.020	96	90	110			
Nickel		C	0.0474	mg/L	0.0050	95	90	110			
Selenium		C	0.0468	mg/L	0.0050	94	90	110			

Qualifiers:

RL - Analyte Reporting Limit

Prepared by Billings, MT Branch

**Work Order:** B25071973 **Report Date:** 08/04/25

Analyte		Count Res	ult Units	RL	%REC	Low Limit	High Limit	RPD RPDLimit	Qual
Method:	E200.8						Analytica	l Run: ICPMS209-B	_250725A
Lab ID:	CCV	11 Continuin	g Calibration \	Verification Standa	rd			07/26	/25 12:32
Silver		0.01	199 mg/L	0.0050	99	90	110		
Thallium		0.05	500 mg/L	0.0050	100	90	110		
Uranium		0.05	503 mg/L	0.00030	101	90	110		
Zinc		0.04	164 mg/L	0.0050	93	90	110		
Lab ID:	QCS	11 Initial Cali	bration Verific	cation Standard				07/27	/25 10:05
Antimony		0.03	386 mg/L	0.0050	97	90	110		
Arsenic		0.03	377 mg/L	0.0050	94	90	110		
Cadmium		0.01	195 mg/L	0.0010	97	90	110		
Chromium	1	0.03	381 mg/L	0.010	95	90	110		
Iron		0.1	198 mg/L	0.020	99	90	110		
Nickel		0.03	384 mg/L	0.0050	96	90	110		
Selenium		0.03	376 mg/L	0.0050	94	90	110		
Silver		0.01	191 mg/L	0.0050	96	90	110		
Thallium		0.04	105 mg/L	0.0050	101	90	110		
Uranium		0.03	383 mg/L	0.00030	96	90	110		
Zinc		0.03	369 mg/L	0.0050	92	90	110		
Lab ID:	ccv	11 Continuin	g Calibration \	Verification Standa	rd			07/27	/25 11:27
Antimony		0.04	172 mg/L	0.0050	94	90	110		
Arsenic		0.04	168 mg/L	0.0050	94	90	110		
Cadmium		0.04	166 mg/L	0.0010	93	90	110		
Chromium	1	0.04	165 mg/L	0.010	93	90	110		
Iron		1	.24 mg/L	0.020	96	90	110		
Nickel		0.04	164 mg/L	0.0050	93	90	110		
Selenium		0.04	167 mg/L	0.0050	93	90	110		
Silver		0.01	l85 mg/L	0.0050	92	90	110		
Thallium		0.04	168 mg/L	0.0050	94	90	110		
Uranium		0.04	179 mg/L	0.00030	96	90	110		
Zinc		0.04	149 mg/L	0.0050	90	90	110		
Method:	E200.8							Bato	h: 201819
Lab ID:	MB-201819	6 Method B	lank			Run: ICPM	S209-B_250725 <i>F</i>	07/26	/25 11:48
Antimony			ND mg/L	0.00002					
Arsenic			ND mg/L	0.00003					
Chromium	1		ND mg/L	0.0003					
Iron		0	.02 mg/L	0.004					
Thallium			ND mg/L	0.00008					
Uranium			ND mg/L	0.00001					
Lab ID:	LCS4-201819	6 Laborator	y Control San	nple		Run: ICPM	S209-B_250725 <i>F</i>	A 07/26	/25 11:53
Antimony		0.1	l14 mg/L	0.0050	114	85	115		
Arsenic		0.09	983 mg/L	0.0010	98	85	115		
Chromium	1	0.09	973 mg/L	0.0010	97	85	115		
Iron		0.5	513 mg/L	0.010	103	85	115		
Thallium		0.1	107 mg/L	0.0010	107	85	115		

Qualifiers:

RL - Analyte Reporting Limit

Prepared by Billings, MT Branch

Work Order: B25071973 **Report Date:** 08/04/25 RL %REC Low Limit High Limit Analyte Count Result Units **RPD RPDLimit** Qual Method: F200 8 Batch: 201819 LCS4-201819 Lab ID: 6 Laboratory Control Sample Run: ICPMS209-B 250725A 07/26/25 11:53 0.106 0.00030 106 Uranium mg/L 115 85 B25071950-001DMS4 Lab ID: 6 Sample Matrix Spike Run: ICPMS209-B 250725A 07/26/25 12:10 0.107 0.0010 107 70 130 Antimony Arsenic 0.101 mg/L 0.0010 95 70 130 Chromium 0.0943 mg/L 0.0050 94 70 130 3.04 mg/L 0.020 70 130 Α 0.101 0.00050 101 70 130 Thallium mg/L 0.103 0.00030 102 70 Uranium mg/L 130 Lab ID: B25071950-001DMSD4 6 Sample Matrix Spike Duplicate Run: ICPMS209-B 250725A 07/26/25 12:16 Antimony 0.106 mg/L 0.0010 106 70 130 0.6 20 0.103 70 22 20 Arsenic mg/L 0.0010 97 130 0.0959 70 130 1.7 20 Chromium mg/L 0.0050 96 70 2.0 20 3.10 130 Iron mg/L 0.020 Α 0.102 102 70 20 Thallium mg/L 0.00050 130 1.0 0.103 0.00030 103 70 130 0.5 20 Uranium mg/L Lab ID: B25072005-001CMS4 6 Sample Matrix Spike Run: ICPMS209-B 250725A 07/26/25 13:26 Antimony 0.116 0.0010 111 70 130 mg/L 0.125 70 Arsenic mg/L 0.0010 99 130 70 Chromium 0.100 mg/L 0.0050 97 130 Iron 3.08 mg/L 0.020 70 130 Α 70 Thallium 0.107 mg/L 0.00050 106 130 Uranium 0.110 0.00030 109 70 130 mg/L B25072005-001CMSD4 6 Sample Matrix Spike Duplicate Lab ID: Run: ICPMS209-B 250725A 07/26/25 13:32 Antimony 0.110 mg/L 0.0010 105 70 130 5.1 20 Arsenic 0.121 mg/L 0.0010 95 70 130 2.8 20 Chromium 0.0984 mg/L 0.0050 95 70 130 1.7 20 Iron 3.05 mg/L 0.020 70 130 0.9 20 Α Thallium 0.102 0.00050 102 70 130 4.7 20 mg/L Uranium 0.103 mg/L 0.00030 102 70 130 6.7 20 Method: E200.8 Batch: R446475 Lab ID: **LRB** 6 Method Blank Run: ICPMS209-B 250725A 07/25/25 14:00 Cadmium ND mg/L 9E-6 Iron ND mg/L 0.001 Nickel ND 0.00006 mg/L 0.00002 Selenium ND mg/L Silver ND mg/L 3E-6 0.001 Zinc ND mg/L Lab ID: **LFB** 6 Laboratory Fortified Blank Run: ICPMS209-B 250725A 07/25/25 14:16 0.0517 0.0010 103 Cadmium mg/L 85 115 85 Iron 5.28 mg/L 0.020 106 115 85 Nickel 0.0487 mg/L 0.0050 97 115

#### Qualifiers:

RL - Analyte Reporting Limit

A - Analyte level was greater than four times the spike level - in accordance with the method, percent recovery is not calculated

Prepared by Billings, MT Branch

Work Order: B25071973 Report Date: 08/04/25

Analyte Count Result Units RI %REC Low Limit High Limit RPD RPDL imit G

Analyte		Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method:	E200.8									Batch:	R446475
Lab ID:	LFB	6 Labo	oratory For	tified Blank			Run: ICPMS	S209-B_250725A		07/25/	25 14:16
Selenium			0.0461	mg/L	0.0050	92	85	115			
Silver			0.0208	mg/L	0.0050	104	85	115			
Zinc			0.0475	mg/L	0.0050	95	85	115			
Lab ID:	B25071970-019BMS	6 Sam	ple Matrix	Spike			Run: ICPMS	S209-B_250725A		07/25/	25 22:32
Cadmium			0.105	mg/L	0.0010	104	70	130			
Iron			10.2	mg/L	0.020	102	70	130			
Nickel			0.107	mg/L	0.0050	88	70	130			
Selenium			0.0939	mg/L	0.0010	90	70	130			
Silver			0.0414	mg/L	0.0010	103	70	130			
Zinc			0.0897	mg/L	0.010	88	70	130			
Lab ID:	B25071970-019BMSD	6 Sam	ple Matrix	Spike Dupli	cate		Run: ICPMS	S209-B_250725A		07/25/	25 22:37
Cadmium			0.104	mg/L	0.0010	103	70	130	0.9	20	
Iron			10.4	mg/L	0.020	104	70	130	2.1	20	
Nickel			0.108	mg/L	0.0050	89	70	130	0.5	20	
Selenium			0.0950	mg/L	0.0010	92	70	130	1.2	20	
Silver			0.0411	mg/L	0.0010	103	70	130	0.5	20	
Zinc			0.0920	mg/L	0.010	90	70	130	2.5	20	
Lab ID:	MB-201846	6 Meth	nod Blank				Run: ICPMS	S209-B_250725A		07/25/	25 23:32
Cadmium			ND	mg/L	7E-6						
Iron			ND	mg/L	0.001						
Nickel			ND	mg/L	0.00006						
Selenium			ND	mg/L	0.00002						
Silver			ND	mg/L	5E-6						
Zinc			ND	mg/L	0.001						
Lab ID:	B25071970-019BMS	6 Sam	ple Matrix	Spike			Run: ICPMS	S209-B_250725A		07/27/	/25 11:38
Cadmium			0.0956	mg/L	0.0010	95	70	130			
Iron			9.29	mg/L	0.020	93	70	130			
Nickel			0.107	mg/L	0.0050	89	70	130			
Selenium			0.0889	mg/L	0.0010	86	70	130			
Silver			0.0380	mg/L	0.0010	95	70	130			
Zinc			0.0874	mg/L	0.010	87	70	130			
Lab ID:	B25071970-019BMSD	6 Sam	ple Matrix	Spike Dupli	cate		Run: ICPMS	S209-B_250725A		07/27/	25 11:43
Cadmium			0.0955	mg/L	0.0010	95	70	130	0.2	20	
Iron			9.57	mg/L	0.020	96	70	130	3.0	20	
Nickel			0.110	mg/L	0.0050	91	70	130	2.0	20	
Selenium			0.0908	mg/L	0.0010	87	70	130	2.1	20	
Silver			0.0383	mg/L	0.0010	96	70	130	8.0	20	
Zinc			0.0884	mg/L	0.010	88	70	130	1.0	20	
Lab ID:	MB-201846	6 Meth	nod Blank				Run: ICPM	S209-B_250725A		07/27/	/25 12:21
Cadmium			ND	mg/L	7E-6						
Iron			ND	mg/L	0.001						

Qualifiers:

RL - Analyte Reporting Limit

# **QA/QC Summary Report**

Prepared by Billings, MT Branch

**Work Order:** B25071973 **Report Date:** 08/04/25

Analyte		Count	Result	Units	RL	%REC Low Limit	High Limit	RPD	RPDLimit	Qual
Method:	E200.8								Batch:	R446475
Lab ID:	MB-201846	6 Metho	od Blank			Run: ICPMS	S209-B_250725	Д	07/27/	/25 12:21
Nickel			ND	mg/L	0.00006					
Selenium			ND	mg/L	0.00002					
Silver			ND	mg/L	5E-6					
Zinc			ND	mg/L	0.001					

Qualifiers:

RL - Analyte Reporting Limit



Prepared by Billings, MT Branch

Work C	Order: B25071973							Repo	rt Date:	08/04/25	
Analyte		Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method:	E245.1							Analytic	cal Run:	HGCV203-B	_250724A
Lab ID:	ICV-201773	Init	tial Calibration	on Verificat	ion Standard					07/24	/25 09:55
Mercury			0.00213	mg/L	0.00010	106	90	110			
Lab ID:	CCV1	Со	ntinuing Cal	libration Ve	rification Standaı	<sup>-</sup> d				07/24	/25 09:56
Mercury			0.00253	mg/L	0.00010	101	95	105			
Lab ID:	ccv	Co	ntinuing Cal	libration Ve	rification Standaı	rd				07/24	/25 10:16
Mercury			0.00246	mg/L	0.00010	98	90	110			
Method:	E245.1									Batc	h: 201773
Lab ID:	MB-201773	Me	thod Blank				Run: HGCV	/203-B_250724 <i>/</i>	4	07/24	/25 09:59
Mercury			ND	mg/L	0.00006						
Lab ID:	LCS-201773	Lal	boratory Co	ntrol Sampl	е		Run: HGCV	/203-B_250724 <i>/</i>	4	07/24	/25 10:00
Mercury			0.00205	mg/L	0.00010	102	85	115			
Lab ID:	B25071941-001BMS	Sa	mple Matrix	Spike			Run: HGCV	/203-B_250724 <i>/</i>	Д	07/24	/25 10:22
Mercury			0.00203	mg/L	0.00010	102	70	130			
Lab ID:	B25071941-001BMS	<b>D</b> Sa	mple Matrix	Spike Dup	licate		Run: HGCV	/203-B_250724/	4	07/24	/25 10:23
Mercury			0.00202	mg/L	0.00010	101	70	130	0.7	30	

RL - Analyte Reporting Limit



Prepared by Billings, MT Branch

Work Order: B25071973 Report Date: 07/31/25

Analyte		Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method:	A4500-S D									Batch:	R446375
Lab ID:	MBLK	Ме	thod Blank				Run: SPEC	3_250724A		07/24/	25 11:23
Sulfide			ND	mg/L	0.01						
Lab ID:	LCS	Lal	boratory Cor	ntrol Sample			Run: SPEC	3_250724A		07/24/	25 11:23
Sulfide			0.204	mg/L	0.040	93	85	115			
Lab ID:	B25071975-001DMS	Sa	mple Matrix	Spike			Run: SPEC	3_250724A		07/24/	25 11:23
Sulfide			0.414	mg/L	0.040	94	70	130			
Lab ID:	B25071975-001DMSI	<b>D</b> Sa	mple Matrix	Spike Duplicate			Run: SPEC	3_250724A		07/24/	25 11:23
Sulfide			0.412	mg/L	0.040	94	70	130	0.5	20	

Prepared by Billings, MT Branch

**Work Order:** B25071973 **Report Date:** 07/31/25

Analyte		Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method:	E300.0							Analytical	Run: IC N	METROHM 2_	_250723A
Lab ID:	ICV	3 Init	tial Calibratio	on Verification	Standard					07/23/	/25 15:08
Chloride			26.0	mg/L	1.0	104	90	110			
Sulfate			104	mg/L	1.0	104	90	110			
Fluoride			1.32	mg/L	0.10	105	90	110			
Lab ID:	ccv	3 Co	ntinuing Cal	ibration Verific	cation Standar	rd				07/23/	/25 19:55
Chloride			26.1	mg/L	1.0	104	90	110			
Sulfate			104	mg/L	1.0	104	90	110			
Fluoride			1.24	mg/L	0.10	99	90	110			
Method:	E300.0									Batch:	R446367
Lab ID:	ICB	3 Ме	ethod Blank				Run: IC ME	TROHM 2_250	723A	07/23/	/25 15:25
Chloride			ND	mg/L	0.1						
Sulfate			ND	mg/L	0.7						
Fluoride			ND	mg/L	0.009						
Lab ID:	LFB	3 La	boratory For	tified Blank			Run: IC ME	TROHM 2_250	723A	07/23/	/25 15:41
Chloride			24.6	mg/L	1.0	99	90	110			
Sulfate			99.2	mg/L	1.0	99	90	110			
Fluoride			1.28	mg/L	0.10	102	90	110			
Lab ID:	B25071948-001AMS	3 Sa	mple Matrix	Spike			Run: IC ME	TROHM 2_250	)723A	07/23/	/25 20:28
Chloride			29.8	mg/L	1.0	107	90	110			
Sulfate			137	mg/L	1.1	106	90	110			
Fluoride			1.53	mg/L	0.10	103	90	110			
Lab ID:	B25071948-001AMSD	) 3 Sa	mple Matrix	Spike Duplica	ate		Run: IC ME	TROHM 2_250	)723A	07/23/	/25 20:45
Chloride			29.9	mg/L	1.0	107	90	110	0.4	20	
Sulfate			138	mg/L	1.1	106	90	110	0.4	20	
Fluoride			1.54	mg/L	0.10	104	90	110	0.5	20	
Lab ID:	B25071958-002AMS	3 Sa	mple Matrix	Spike			Run: IC ME	TROHM 2_250	723A	07/24/	/25 00:25
Chloride			426	mg/L	2.6	107	90	110			
Sulfate			1590	mg/L	11	106	90	110			
Fluoride			13.9	mg/L	0.13	103	90	110			
Lab ID:	B25071958-002AMSD	) 3 Sa	mple Matrix	Spike Duplica	ate		Run: IC ME	TROHM 2_250	)723A	07/24/	/25 00:42
Chloride			426	mg/L	2.6	107	90	110	0.1	20	
Sulfate			1590	mg/L	11	106	90	110	0.2	20	
Fluoride			13.9	mg/L	0.13	103	90	110	0.1	20	

### Qualifiers:

RL - Analyte Reporting Limit



Prepared by Billings, MT Branch

Work (	Order: B25071973							Repor	t Date:	07/31/25	
Analyte		Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method:	Kelada-01							Analyti	cal Run	: SFA-202-B_	_250724A
Lab ID:	ICV	Init	ial Calibrati	on Verification St	andard					07/24/	/25 14:46
Cyanide,	Weak Acid Dissociable		0.00975	mg/L	0.0010	97	90	110			
Method:	Kelada-01									Batch:	R446401
Lab ID:	ICB	Me	thod Blank				Run: SFA-2	202-B_250724A		07/24/	/25 14:47
Cyanide,	Weak Acid Dissociable		ND	mg/L	0.0007						
Lab ID:	LFB	Lat	ooratory For	tified Blank			Run: SFA-2	202-B_250724A		07/24/	/25 14:49
Cyanide,	Weak Acid Dissociable		0.00992	mg/L	0.0010	99	90	110			
Lab ID:	LCS1-ZnCN	Lat	ooratory Co	ntrol Sample			Run: SFA-2	202-B_250724A		07/24/	/25 14:51
Cyanide,	Weak Acid Dissociable		0.00986	mg/L	0.0010	99	90	110			
Lab ID:	B25071973-001EMS	Sa	mple Matrix	Spike			Run: SFA-2	202-B_250724A		07/24/	/25 15:09
Cyanide,	Weak Acid Dissociable		0.00994	mg/L	0.0010	99	80	120			
Lab ID:	B25071973-001EMSE	) Sa	mple Matrix	Spike Duplicate			Run: SFA-2	202-B_250724A		07/24/	/25 15:13
Cyanide,	Weak Acid Dissociable		0.0102	mg/L	0.0010	101	80	120	2.1	10	

RL - Analyte Reporting Limit

# **Work Order Receipt Checklist**

### Linkan Engineering

Login completed by: Crystal M. Jones

### B25071973

Date Received: 7/23/2025

Reviewed by:	dharris		Re	ceived by: ET
Reviewed Date:	7/24/2025		Car	rier name: Return-FedEx NDA
Shipping container/cooler in	good condition?	Yes 🗹	No 🗌	Not Present
Custody seals intact on all sh	nipping container(s)/cooler(s)?	Yes √	No 🗌	Not Present
Custody seals intact on all sa	ample bottles?	Yes	No 🗌	Not Present 🗹
Chain of custody present?		Yes √	No 🗌	
Chain of custody signed whe	en relinquished and received?	Yes √	No 🗌	
Chain of custody agrees with	sample labels?	Yes √	No 🗌	
Samples in proper container/	/bottle?	Yes √	No 🗌	
Sample containers intact?		Yes √	No 🗌	
Sufficient sample volume for	indicated test?	Yes √	No 🗌	
All samples received within h (Exclude analyses that are or such as pH, DO, Res Cl, Su	onsidered field parameters	Yes 🔽	No 🗌	
Temp Blank received in all sh	hipping container(s)/cooler(s)?	Yes 🗸	No 🗌	Not Applicable
Container/Temp Blank tempe	erature:	3.8°C On Ice		
Containers requiring zero heabubble that is <6mm (1/4").	adspace have no headspace or	Yes	No 🗌	No VOA vials submitted ✓
Water - pH acceptable upon	receipt?	Yes 🗸	No 🗌	Not Applicable

### **Standard Reporting Procedures:**

Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH, Dissolved Oxygen and Residual Chlorine, are qualified as being analyzed outside of recommended holding time.

Solid/soil samples are reported on a wet weight basis (as received) unless specifically indicated. If moisture corrected, data units are typically noted as –dry. For agricultural and mining soil parameters/characteristics, all samples are dried and ground prior to sample analysis.

The reference date for Radon analysis is the sample collection date. The reference date for all other Radiochemical analyses is the analysis date. Radiochemical precision results represent a 2-sigma Total Measurement Uncertainty.

For methods that require zero headspace or require preservation check at the time of analysis due to potential interference, the pH is verified at analysis. Nonconforming sample pH is documented as part of the analysis and included in the sample analysis comments.

Trip Blanks and/or Blind Duplicate samples are assigned the earliest collection time for the associated requested analysis in order to evaluate the holding time unless specifically indicated.

### **Contact and Corrective Action Comments:**

The sample for potentially dissolved metals analysis was subsampled and filtered in the laboratory. According to the Code of Colorado Regulation these samples should be filtered within 8 to 96 hours of preservation with nitric acid to a

# Work Order Receipt Checklist - Continued

# Linkan Engineering

B25071973

pH < 2. CMJ 07/23/25

### Laboratory Certifications and Accreditations

Current certificates are available at <a href="www.energylab.com">www.energylab.com</a> website:

	Agency	Number
	Alaska	17-023
	California	3087
	Colorado	MT00005
	Department of Defense (DoD)/ISO17025	ADE-2588
Billings, MT	Florida (Primary NELAP)	E87668
	Idaho	MT00005
d	Louisiana	05079
ANAB	Montana	CERT0044
ANSI National Accreditation Board  A C C R E D I T E D	Nebraska	NE-OS-13-04
TESTING LABORATORY	Nevada	NV-C24-00250
ACCRE	North Dakota	R-007
ALCON TO THE	National Radon Proficiency	109383-RMP
TNI	Oregon	4184
BORATON	South Dakota	ARSD 74:04:07
	Texas	TX-C24-00302
	US EPA Region VIII	Reciprocal
	USDA Soil Permit	P330-20-00170
	Washington	C1039
	Alaska	20-006
	California	3021
	Colorado	WY00002
	Florida (Primary NELAP)	E87641
	Idaho	WY00002
Casper, WY	Louisiana	05083
cusper, vv r	Montana	CERT0002
SUAP ACCREDIA	Nebraska	NE-OS-08-04
TNI	Nevada	NV-C24-00245
CABORATON'S	North Dakota	R-125
	Oregon	WY200001
	South Dakota	WY00002
	Texas	T104704181-23-21
	US EPA Region VIII	WY00002
	USNRC License	49-26846-01
	Washington	C1012
Gillette, WY	US EPA Region VIII	WY00006
	Colorado	MT00945
Helena, MT	Montana	CERT0079
	Nevada	NV-C24-00119
	US EPA Region VIII	Reciprocal
	USDA Soil Permit	P330-20-00090

ENERGY (E)

# Chain of Custody & Analytical Request Record

www.energylab.com

Page 1 of 1

	ACCOUNT INTO MARION (Billing information)	ig information)		INC	Sort III	Ormatio	Report Information (if different than Account Information)	nt than Acc	ount Intom	nation)		Comments	••		
Company/Name Linkan	Linkan			Con	Company/Name Linkan	Linkan						Outfall 001	A - Bi-We	Outfall 001A - Bi-Weekly Sample	
Contact	Chris Prosper			Contact	tact	Alex Sc	Alex Schwiebert								
Phone	775-777-8003			Phone	ЭС	775-397-6779	6779-7								
Mailing Address	2720 Ruby Vista Dr	a Dr		Mail	Mailing Address		2720 Ruby Vista Dr	۵				Please em	ail Report	Please email Report and EDD results to:	
City, State, Zip	Elko, NV 89801			City	City, State, Zip	Elko, N	Elko, NV 89801					chris.prosper@linkan.com	er@linka	n.com	
Email /	AP@linkan.com	_		Email	=	see cor	see comments					adam.billin@linkan.com	@linkan.c	moc	
- 22 - 4	□Hard Copy ■Email	Receive Report	□Hard Copy ■	Email Rec	Receive Report	□Hard Co	py EEmail	_				alex.scnwlebert@iinkan.com befer havs@state.co.us	ebert@illn	Kan.com	
Purchase Order 25-0152	Quote H17287	B.	Bottle Order (937ザ	Spec	Special Report/Formats:  ☐ LEVEL IV ☐NELAC	Q V	■ EDD/EDT (contact taboratory) □ Other.	(contact labo	ratory) 🗆 Ol	ther					
Project Information	mation				Matrix Codes	sopo			Analy	Analysis Requested	lested				
Project Name, PW	SID, Permit, etc. Sc	Project Name, PWSID, Permit, etc. Schwartzwalder Mine	Aine		A- Air			əld		_				All turnaround times are	
Sampler Name		Sampler Phone	e		100	Water	wn	era/		Blue		wn		standard unless marked as RUSH.	
Sample Origin State Colorado	e Colorado	EPA/State Compliance	ompliance 🔳 Yes	oN 🗆 sə	- × ->	Solids			ally			ibsA		Energy Laboratories MUST be contacted prior to	
URANIUM MINING  ☐ Unprocessed Or  ☐ Processed Ore ( ☐ 11(e)2 Byproduc	S CLIENTS MUST in the control of Refined) of Material (Can ONI)	URANIUM MINING CLIENTS MUST Indicate sample type  Unprocessed Ore  Processed Ore Cound or Refined) **CALL BEFORE SENDING  1 Processed Ore Cound on Refined) Year Submitted to ELI Casper Location)	e ENDING ELI Casper Locati	ion)	B - Bio O - Oil DW - Drin	Bioassay Oli Drinking Water	valent Ch	R IstoT ,a	s, Potenti ved	de, WAD	metric m 226, D	+ 977 m	Attached	RUSH sample submittel for charges and scheduling – See Instructions Page	
Sa	Sample Identification (Name, Location, Interval, etc.)	ation II, etc.)	Colle	Time	Number of Containers	Matrix (See Codes			Metal OssiQ		Colori	Padiu 822		ELI LAB ID	
1 Outfall 001A	4		7/22	16 20	Q	3							•	182	
2													•		
3															
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5															
9															
7															
80 0															
	REQUIRED to p	ELI is REQUIRED to provide preservative traceability. If th	ive traceabilit	y. If the pres	ervatives s	upplied w	ith the bot	tle order v	vere NOT	used, plea	se attach	your preserv	ative inform	e preservatives supplied with the bottle order were NOT used, please attach your preservative information with this COC	1 1
-	Relinquished by (print)	Kerth 1	Date/Time /IS:	30 Signatures	The			Received by (print)	(print)		D	Date/Time	Sign	Signature	
MUST Re	Relinquished by (print)		ate/Time/	Signa	9			Received by	Laboratory	Received by Laboratory (print)		Date/Time	(1:10 Sign	Signature G Bath	
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		2		)	-					IECH		9			$\overline{}$

In certain circumstances, samples submitted to Energy Laboratories, Inc. may be subcontracted to other certified laboratories in order to complete the analysis requested.

This serves as notice of this possibility. All subcontracted data will be clearly notated on your analytical report.





# **BOTTLE ORDER 193741**

SHIPPED

Linkan Engineering

Contact: Chris Prosper

400 Corporate Circle, Suite H

Golden CO 80401

(719) 247-0564 Phone:

Schwartzwalder Mine-Outfall 001A Monthly + Weekly Project:

To report an issue with this order, view Safety Data Sheets, or let us know how we are doing, scan here or go to energylab.com/contact-us

Shipped From: Billings, MT Ship Date: 4/17/2025

Order Created by: Yvonna E. Smith

VIA: Ground Quote Used: 17287

	Bottles Per			Critical			Num
Bottle Size/Type	Samp	Method	Tests	Time	Preservative	Notes	Same
							diano
	100						

Outfall 001A Weekly COD (4 Sets)	COD (4 Set	(s)		
500 mL Plastic	1 E410.4	Chemical Oxygen Demand	H2SO4	-
	HACH 8000 Preparation f	Preparation for COD testing HACH 8000		

Outfall 001A Three Times Weekly TSS (12 Sets)	Fime	es Weekl	y TSS (12 Sets)				
1 Liter Plastic Wide Mouth	1	1 A2540 D Solids, Total	Solids, Total Suspended			Fill to the neck of the container.	-
Outfall 001A Bi-Weekly ( 2 Sets)	eekly	(2 Sets)					
250 mL Plastic	7	A3500-Cr B	1 A3500-Cr B Chromium, Hexavalent	24.00 hrs			-
		E300.0	Anions by Ion Chromatography				
250 mL Plastic	1	1 E200.7_8	Metals by ICP/ICPMS, Dissolved		HNO3	Filter before preservation	-
250 mL Plastic	1	E200.7_8	Metals by ICP/ICPMS, Total Recoverable		HN03		_
		Calculation	Calculation Chromium, Total Recoverable Trivalent				
		E245.1	Mercury, Total				
		E200.2	Metals Digestion by E200.2				6
		E245.1	Mercury Digestion by E245.1				

BO#: 193741

1 of 2

250 mL Plastic	1 E200.7_8	Metals by ICP/ICPMS, Potentially Dissolved	HNO3		-
	MCAWW	Preparation, Potentially Dissolved Filtration			
500 mL Amber Plastic	1 Kelada-01	Kelada-01 Cyanide, Weak Acid Dissociable	NaOH		-
250 mL Plastic	1 A4500-S D	A4500-S D Sulfide, Methylene Blue Colorimetric	ZnAc	Zero headspace	-
			NaOH		
1 Gallon Plastic	1 E903.0	Radium 226, Dissolved	HNO3	Filter before preservation	-
1 Gallon Plastic	1 A7500-RA	1 A7500-RA Radium 226 + Radium 228	HNO3	This now only requires one (1) 15mL	-
	E903.0	Radium 226, Total		nitric acid vial tor preservation.	
	RA-05	Radium 228, Total			

Comments

HNO3 - Nitric Acid H2SO4 - Sulfuric Acid NaOH - Sodium Hydroxide Nestrongly suggest that the samples are shipped the same day as they are collected.  Acid Acid Acid Baterial Safety Data Sheets(MSDS) Available @ EnergyLab.com ->Services -> MSDS Sheets  Corrosive Chemicals: Nitric, Sulfuric, Phosphoric, Hydrochloric Acids and Sodium Hydroxide. Zinc Acetate is a skin irritant.  Subcontracting of sample analyses to an outside laboratory may be required. If so, Energy Laboratories will utilize its branch laboratories or qualified contract laboratories for this service. Any such laboratories will be indicated within the Laboratory Analytical Report.		
Acid Acetate HUI - Hydrochloric Acid Short - Zinc Acetate HUI - Hydrochloric Acid Acid Acid Acid Acid Acid Acid Ac		We strongly suggest that the samples are
Material Safety Data Sheets(MSDS) Available @ EnergyLab.com ->Services -> MSDS Sheets  Corrosive Chemicals: Nitric, Sulfuric, Phosphoric, Hydrochloric Acids and Sodium Hydroxide. Zinc Acetate is a skin irritant.  Subcontracting of sample analyses to an outside laboratory may be required. If so, Energy Laboratories will utilize its branch laboratories or qualified contract laboratories for this service. Any such laboratories will be indicated within the Laboratory Analytical Report.		shipped the same day as they are collected.
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	Subcontracting of sample analyses to an outside laboratory may be required. If so, Energy Laboratories will utilize its branch laboratories will be indicated within the Laboratory Analytical Report.	ries or qualified contract laboratories for this service. Any such

### **ANALYTICAL SUMMARY REPORT**

July 14, 2025

Linkan Engineering 2720 Ruby Vista Dr Ste 101 Elko, NV 89801-4943

Work Order: B25070213 Quote ID: B17287

Project Name: Schwartzwalder Mine

Energy Laboratories Inc Billings MT received the following 3 samples for Linkan Engineering on 7/2/2025 for analysis.

Lab ID	Client Sample ID	Collect Date Rec	eive Date	Matrix	Test
B25070213-001	Outfall 001A	06/27/25 14:15	07/02/25	Aqueous	Solids, Total Suspended
B25070213-002	Outfall 001A	06/30/25 14:00	07/02/25	Aqueous	Same As Above
B25070213-003	Outfall 001A	07/01/25 14:10 (	07/02/25	Aqueous	Chemical Oxygen Demand Preparation for COD testing HACH 8000 Solids, Total Suspended

The analyses presented in this report were performed by Energy Laboratories, Inc., 1120 So. 27th Street, Billings, MT 59101, unless otherwise noted. Any exceptions or problems with the analyses are noted in the report package. Any issues encountered during sample receipt are documented in the Work Order Receipt Checklist.

The results as reported relate only to the item(s) submitted for testing. This report shall be used or copied only in its entirety. Energy Laboratories, Inc. is not responsible for the consequences arising from the use of a partial report.

Energy Laboratories, Inc. verifies the reported results for the analysis has been technically reviewed and approved for release.

If you have any questions regarding these test results, please contact your Project Manager.





### LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client:Linkan EngineeringReport Date:07/14/25Project:Schwartzwalder MineCollection Date:06/27/25 14:15Lab ID:B25070213-001DateReceived:07/02/25Client Sample ID:Outfall 001AMatrix:Aqueous

Analyses	Result Units	Qualifiers	RL	MCL/ QCL Method	Analysis Date / By
PHYSICAL PROPERTIES					
Solids, Total Suspended TSS @ 105 C	ND mg/L		10	A2540 D	07/03/25 09:34 / pjw

Report RL - Analyte Reporting Limit

Definitions: QCL - Quality Control Limit

MCL - Maximum Contaminant Level



### LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client:Linkan EngineeringReport Date:07/14/25Project:Schwartzwalder MineCollection Date:06/30/25 14:00Lab ID:B25070213-002DateReceived:07/02/25Client Sample ID:Outfall 001AMatrix:Aqueous

Analyses	Result Units	Qualifiers	RL	MCL/ QCL Method	Analysis Date / By
PHYSICAL PROPERTIES					
Solids, Total Suspended TSS @ 105 C	ND mg/L		10	A2540 D	07/03/25 09:34 / pjw

Report RL - Analyte Reporting Limit

Definitions: QCL - Quality Control Limit

MCL - Maximum Contaminant Level





### LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: Linkan Engineering **Report Date:** 07/14/25 Project: Schwartzwalder Mine **Collection Date:** 07/01/25 14:10 Lab ID: B25070213-003 DateReceived: 07/02/25 Client Sample ID: Outfall 001A Matrix: Aqueous

Analyses	Result Units	Qualifiers	RL	MCL/ QCL Method	Analysis Date / By
PHYSICAL PROPERTIES Solids, Total Suspended TSS @ 105 C	ND mg/L		10	A2540 D	07/03/25 09:34 / pjw
AGGREGATE ORGANICS Oxygen Demand, Chemical (COD)	ND mg/L		5	E410.4	07/03/25 13:58 / fap

RL - Analyte Reporting Limit Report Definitions: QCL - Quality Control Limit

MCL - Maximum Contaminant Level

# **QA/QC Summary Report**

Prepared by Billings, MT Branch

Work Order: B25070213 Report Date: 07/14/25

Analyte Co	unt Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2540 D							E	Batch: TSS20	0250703A
Lab ID: MBLK_20250703-3	Method Blank				Run: BAL #	30_250703B		07/03/	25 09:34
Solids, Total Suspended TSS @ 105	C ND	mg/L	0.6						
Lab ID: LCS_20250703-1	Laboratory Cor	ntrol Sample			Run: BAL #	30_250703B		07/03/	25 09:34
Solids, Total Suspended TSS @ 105	C 101	mg/L	25	101	80	120			
Lab ID: B25070196-001CDUP	Sample Duplic	ate			Run: BAL #	30_250703B		07/03/	25 09:34
Solids, Total Suspended TSS @ 105	C 75.8	mg/L	10				4.6	10	
Lab ID: B25070216-005BDUP	Sample Duplic	ate			Run: BAL #	30_250703B		07/03/	25 09:34
Solids, Total Suspended TSS @ 105	C 85.0	mg/L	12				7.4	10	



### **QA/QC Summary Report**

Prepared by Billings, MT Branch

Work Order: B25070213							Re	port Date:	07/14/25	
Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E410.4								Analytical I	Run: SPEC3	_250703B
Lab ID: CCV-201171	Co	ntinuing Cal	ibration Verifi	cation Standar	ď				07/03	/25 13:58
Oxygen Demand, Chemical (COI	<b>D</b> )	49.2	mg/L	5.0	98	90	110			
Method: E410.4									Bato	h: 201171
Lab ID: MB-201171	Me	thod Blank				Run: SPEC	3_250703B		07/03	/25 13:58
Oxygen Demand, Chemical (COI	O)	ND	mg/L	3						
Lab ID: LCS-201171	Lat	ooratory Co	ntrol Sample			Run: SPEC	3_250703B		07/03	/25 13:58
Oxygen Demand, Chemical (COI	D)	23.1	mg/L	5.0	95	90	110			
Lab ID: B25070255-001CMS	Sa	mple Matrix	Spike			Run: SPEC	3_250703B		07/03	/25 13:58
Oxygen Demand, Chemical (COI	D)	25.6	mg/L	5.0	105	90	110			
Lab ID: B25070255-001CMSI	D Sa	mple Matrix	Spike Duplica	ate		Run: SPEC	3_250703B		07/03	/25 13:58
Oxygen Demand, Chemical (COI	D)	25.3	mg/L	5.0	104	90	110	1.3	10	

Login completed by: Natasha L. Anthony

### **Work Order Receipt Checklist**

### Linkan Engineering

### B25070213

Date Received: 7/2/2025

Reviewed by:	ysmith		Re	ceived by: DNH
Reviewed Date:	7/11/2025		Car	rier name: Return-FedEx NDA
Shipping container/cooler in	good condition?	Yes ✓	No 🗌	Not Present
Custody seals intact on all sh	nipping container(s)/cooler(s)?	Yes 🗹	No 🗌	Not Present
Custody seals intact on all sa	ample bottles?	Yes	No 🗌	Not Present ✓
Chain of custody present?		Yes 🗹	No 🗌	
Chain of custody signed whe	en relinquished and received?	Yes 🗹	No 🗌	
Chain of custody agrees with	sample labels?	Yes 🗹	No 🗌	
Samples in proper container/	/bottle?	Yes 🗹	No 🗌	
Sample containers intact?		Yes 🗹	No 🗌	
Sufficient sample volume for	indicated test?	Yes 🗹	No 🗌	
All samples received within h (Exclude analyses that are co such as pH, DO, Res Cl, Su	onsidered field parameters	Yes 🗹	No 🗌	
Temp Blank received in all sl	hipping container(s)/cooler(s)?	Yes ✓	No 🗌	Not Applicable
Container/Temp Blank tempe	erature:	4.5°C On Ice		
Containers requiring zero heabubble that is <6mm (1/4").	adspace have no headspace or	Yes	No 🗌	No VOA vials submitted
Water - pH acceptable upon	receipt?	Yes ✓	No 🗌	Not Applicable

### **Standard Reporting Procedures:**

Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH, Dissolved Oxygen and Residual Chlorine, are qualified as being analyzed outside of recommended holding time.

Solid/soil samples are reported on a wet weight basis (as received) unless specifically indicated. If moisture corrected, data units are typically noted as –dry. For agricultural and mining soil parameters/characteristics, all samples are dried and ground prior to sample analysis.

The reference date for Radon analysis is the sample collection date. The reference date for all other Radiochemical analyses is the analysis date. Radiochemical precision results represent a 2-sigma Total Measurement Uncertainty.

For methods that require zero headspace or require preservation check at the time of analysis due to potential interference, the pH is verified at analysis. Nonconforming sample pH is documented as part of the analysis and included in the sample analysis comments.

Trip Blanks and/or Blind Duplicate samples are assigned the earliest collection time for the associated requested analysis in order to evaluate the holding time unless specifically indicated.

### **Contact and Corrective Action Comments:**

The chain of custody does not indicate which sample is to be analyzed for chemical oxygen demand analysis. Proceeded with chemical oxygen demand on the sample collected 07/01/25 per the sample containers received. YES

# Work Order Receipt Checklist - Continued

# Linkan Engineering

B25070213

07/11/25

### Laboratory Certifications and Accreditations

Current certificates are available at <a href="www.energylab.com">www.energylab.com</a> website:

	Agency	Number
	Alaska	17-023
	California	3087
	Colorado	MT00005
	Department of Defense (DoD)/ISO17025	ADE-2588
Billings, MT	Florida (Primary NELAP)	E87668
	Idaho	MT00005
d	Louisiana	05079
ANAB	Montana	CERT0044
ANSI National Accreditation Board ACCREDITED	Nebraska	NE-OS-13-04
TESTING LABORATORY	Nevada	NV-C24-00250
ACCRE	North Dakota	R-007
ALL THE STREET	National Radon Proficiency	109383-RMP
TNI	Oregon	4184
BORATON	South Dakota	ARSD 74:04:07
	Texas	TX-C24-00302
	US EPA Region VIII	Reciprocal
	USDA Soil Permit	P330-20-00170
	Washington	C1039
	Alaska	20-006
	California	3021
	Colorado	WY00002
	Florida (Primary NELAP)	E87641
	Idaho	WY00002
Casper, WY	Louisiana	05083
cusper, vv i	Montana	CERT0002
WAS ACCREDING	Nebraska	NE-OS-08-04
TNI	Nevada	NV-C24-00245
LABORATORY.	North Dakota	R-125
	Oregon	WY200001
	South Dakota	WY00002
	Texas	T104704181-23-21
	US EPA Region VIII	WY00002
	USNRC License	49-26846-01
	Washington	C1012
Gillette, WY	US EPA Region VIII	WY00006
	Colorado	MT00945
Helena, MT	Montana	CERT0079
	Nevada	NV-C24-00119
	US EPA Region VIII	Reciprocal
	USDA Soil Permit	P330-20-00090



# Chain of Custody & Analytical Request Record

www.energylab.com

Page 1 of 1

Alex Schwiebert  T75-397-6779  Address 2720 Ruby Vista Dr  ate, Zip Elko, NV 89801  see comments  see comments  see comments  see comments  see comments  Analysis Requested  Analysis Analysis Requested  Analysis Requested  Analysis Requested  Analysis Requested  Analysis Requested  Analysis Requested  Analysis Analysis Requested  Analysis Analysis Requested  Analysis Analysis Analysis Analysis Analysis	CompanyName Linkan   Chris Proper   CompanyName Linkan   CompanyName Linkan   Chris Proper   CompanyName Linkan   Chris Proper   Chris Proper   CompanyName Linkan   Chris Proper   Chri	ACCOUNT INTOLLIATION (Billing information)		Aeport Information (if different than Account Information)	nt than Account Information)	Comments
Contact	Contact   T15-177-8000	Company/Name Linkan	O	company/Name Linkan		Outfall 001A - Weekly Sample
Phone   175-377-8003   Phone   175-397-6779   Phone   175-397-677	Phone   775-377-8003		J			
Page	Propose of the Part of the P	1940				
A	State   Stat		2		Dr	Please email Report and EDD results to:
Seel Comments   AP@linkan.com   Seel Comments   Seel Comment	Email		0			chris.prosper@linkan.com
Troject Information Topic Name Control	Control By   Each of Logy   Each of Indian Cody   Each of Indian					adam.billin@linkan.com
Countral Order   H17287   H1	Cutoble Order	☐Hard Copy ■Email				peter.hays@state.co.us
Project Information	Toject Information Toject Name, PWSID, Permit, etc. Schwartzweilder Mine Troject Name, Collectord  Sample United Stronger Property Troject Name Sample United Stronger Name Sample Name Sample United Stronger Name Sample United Stronger Name Sample United Stronger Name Sample United Stronger Name Sample Name Sample United Stronger Name Sample Stronger Name Sample Stronger Name Sample Stronger Name Sa	Quote H17287		AC AC	(confact laboratory)	)
Project Name, PWSID, Permit, etc. Schwartzwalder Mine  wroper Name Expand Acade  Sample Origin State Colorado  EPA/State Compilance E vee	Processor   Parameter   Para	Project Information	24	Matrix Codes	Analysis Requestec	
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ample Origin Stank Colorado  EPA/State Compilance   PA/State   PA/State Compilance   PA/State Compilance   PA/State   PA/	Processed One Colorado   EPA/State Compilance   4	do	1238/6	W- Water		RUSH
Processed On Ground or Refined) "CALL BEFORE SENDING For Date of Processed On Ground or Refined) "CALL BEFORE SENDING For Date of Processed On Ground or Refined) "CALL BEFORE SENDING For Date of Processed On Ground or Refined) "CALL BEFORE SENDING For Date of Processed On Ground or Refined) "CALL BEFORE SENDING For Date of Processed On Ground or Refined) "CALL BEFORE SENDING For Date of Processed On Ground or Refined) "CALL BEFORE SENDING For Date of Processed On Ground or Refined On Ontrall OO1 A	Processed One Control of Suppose Service   Processed Control of Service   Processe		■ Yes □	Solids O		
Sample Identification   Collection   Number of Regions   Page	Sample Identification   Collection   Colle	URANIUM MINING CLIENTS MUST indicate sample type  □ Unprocessed Ore □ Processed Ore (Ground or Refined) **CALL BEFORE SE □ 11(e)2 Byproduct Material (Can ONL' be Submitted to EL	e ENDING ELI Casper Location)	Bioassay nd Oil Drinking Spend Water S	put	
Outfall 001A         C/26/25 14/6         V         Inspector of the standard of the standar	Outfall 001A         C/36/25   4/6 d         V </td <td>Sample Identification (Name, Location, Interval, etc.)</td> <td>2 -</td> <td>Matrix Ra</td> <td>Dems</td> <td>RUSH</td>	Sample Identification (Name, Location, Interval, etc.)	2 -	Matrix Ra	Dems	RUSH
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Signature by (print)   PaterTime   Signature   Signa	Relinquished by (print) Relinduished by (print) Relind	6	_			
Reinquished by (print)   Date/Time   Signature   Sig	Relinquished by (print)   Date/Time   Signature   Si	ELI is REQUIRED to provide preservati	<u>+</u>	preservatives supplied with the bot	ittle order were NOT used, please att	ach your preservative information with this COC.
Relinquished by (print)  Received by Laboratory (print)  LABORATORY USE ONES  LABORATORY USE ONES	Relinguished by (print)   Date/Time   Signature   Signature   Signature   Signature   Signature   Date/Time   Da	Relinquished by (print)		gnature And	Received by (print)	
LABORATORY USE ONEY	Sy Cooler ID(s) Custody Seals Intact Receipt Temp Blank On Ice Payment Type Amount  Cooler ID(s) Custody Seals Intact Receipt Temp Blank On Ice Payment Type Amount  Cooler ID(s) Y N C B Y N °C Y N Y N C C Cash Check S	Relinguished by (print)		gnative	Aby Laborater (prints)	1015
	Cooler ID(s) Custody Seals Intact Receipt Temp Temp Blank On Ice Payment Type Amount  *C Y N C B Y N C C Cash Check \$			LABORATORY USE	ONE	

In certain circumstances, samples submitted to Energy Laboratories, Inc. may be subcontracted to other certified laboratories in order to complete the analysis requested.

This serves as notice of this possibility. All subcontracted data will be clearly notated on your analytical report.

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# **BOTTLE ORDER 186995**



\*\*\*\*\* This is a recurring bottle order. If you have received this in error please contact your laboratory \*\*\*\*\*

Linkan Engineering SHIPPED TO:

Schwartzwalder Mine - Weekly

Project:

Phone:

400 Corporate Circle, Suite H

Brendan Smith

Contact:

Golden CO 80401 (775) 389-5582

To report an issue with this order, view Safety Data Sheets, or let us know how we are doing, scan here or go to energylab.com/contact-us

Shipped From: Billings, MT Ship Date: 9/17/2024

Order Created by: Yvonna E. Smith

Quote Used: 17287

VIA: Ground

Bottle Size/Type	Bottles Per Samp	Method	Tests	Critical Hold Time	Preservative	Notes	Num of Samp
Outfall 001A Weekly COD	kly CO	Q					
500 mL Plastic	-	E410.4	Chemical Oxygen Demand		H2SO4		-
		HACH 8000	HACH 8000 Preparation for COD testing HACH 8000				
Outfall 001A 3 Times Weekly TSS (3 Sets)	M sau	eekly TS	S ( 3 Sets)				
1 Liter Plastic Wide	-	A2540 D	Solids, Total Suspended			Fill to the neck of the container.	_

Comments

Mouth

	JS) Available @ EnergyLab.com ->Services -> MSDS Sheets	MSDS) Available @ Ener	neets(	Material Safety Data Sheets (MSD)	-
		Acid			
snipped the same day as	H3PO4 - Phosphoric Acid	Hydrochloric		ZnAc - Zinc Acetate	
We strongly suggest that	H2SO4 - Sulfuric Acid NaOH - Sodium Hydroxide	H2SO4 - Sulfuric Acid		HNO3 - Nitric Acid	

they are collected t the samples are

1 of 1

Corrosive Chemicals: Nitric, Sulfuric, Phosphoric, Hydrochloric Acids and Sodium Hydroxide. Zinc Acetate is a skin irritant.

Subcontracting of sample analyses to an outside laboratory may be required. If so, Energy Laboratories will utilize its branch laboratories or qualified contract laboratories for this service. Any such laboratories will be indicated within the Laboratory Analytical Report.

BO#: 186995

### **ANALYTICAL SUMMARY REPORT**

August 28, 2025

Linkan Engineering 2720 Ruby Vista Dr Ste 101 Elko, NV 89801-4943

Work Order: B25070838 Quote ID: B17287

Project Name: Schwartzwalder Mine

Energy Laboratories Inc Billings MT received the following 3 samples for Linkan Engineering on 7/10/2025 for analysis.

Lab ID	Client Sample ID	Collect Date Ro	eceive Date	Matrix	Test
B25070838-001	Outfall 001A	07/04/25 13:30	07/10/25	Aqueous	Solids, Total Dissolved
B25070838-002	Outfall 001A	07/07/25 14:20	07/10/25	Aqueous	Same As Above
B25070838-003	Outfall 001A	07/09/25 14:15	07/10/25	Aqueous	Chemical Oxygen Demand Preparation for COD testing HACH 8000 Solids, Total Dissolved

The analyses presented in this report were performed by Energy Laboratories, Inc., 1120 So. 27th Street, Billings, MT 59101, unless otherwise noted. Any exceptions or problems with the analyses are noted in the report package. Any issues encountered during sample receipt are documented in the Work Order Receipt Checklist.

The results as reported relate only to the item(s) submitted for testing. This report shall be used or copied only in its entirety. Energy Laboratories, Inc. is not responsible for the consequences arising from the use of a partial report.

Energy Laboratories, Inc. verifies the reported results for the analysis has been technically reviewed and approved for release.

If you have any questions regarding these test results, please contact your Project Manager.

Revised Date: 08/28/25

Report Date: 07/16/25

CASE NARRATIVE

CLIENT: Linkan Engineering
Project: Schwartzwalder Mine
Work Order: B25070838

### Revised Report 8/28/2025;

Due to a laboratory error, total dissolved solids were analyzed instead of total suspended solids as specified on the chain of custody. The error was found after the hold time for total suspended solids had expired.

We apologize for the error and the charge for the workorder will be removed.

### LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: Linkan Engineering
Project: Schwartzwalder Mine
Lab ID: B25070838-001
Client Sample ID: Outfall 001A

Revised Date: 08/28/25
Report Date: 07/16/25
Collection Date: 07/04/25 13:30
DateReceived: 07/10/25

Matrix: Aqueous

Analyses	Result Units	Qualifiers	RL	MCL/ QCL Method	Analysis Date / By
PHYSICAL PROPERTIES					
Solids, Total Dissolved TDS @ 180 C	114 mg/L		20	A2540 C	07/10/25 16:45 / etv

Report RL - Analyte Reporting Limit

Definitions: QCL - Quality Control Limit

MCL - Maximum Contaminant Level

### LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: Linkan Engineering
Project: Schwartzwalder Mine
Lab ID: B25070838-002
Client Sample ID: Outfall 001A

Revised Date: 08/28/25
Report Date: 07/16/25
Collection Date: 07/07/25 14:20
DateReceived: 07/10/25

Matrix: Aqueous

Analyses	Result Units	Qualifiers	RL	MCL/ QCL Method	Analysis Date / By
PHYSICAL PROPERTIES Solids, Total Dissolved TDS @ 180 C	112 mg/L		20	A2540 C	07/10/25 16:45 / etv

Report RL - Analyte Reporting Limit

Definitions: QCL - Quality Control Limit

MCL - Maximum Contaminant Level



# LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: Linkan Engineering Project: Schwartzwalder Mine B25070838-003 Lab ID: Client Sample ID: Outfall 001A

Revised Date: 08/28/25 **Report Date: 07/16/25** Collection Date: 07/09/25 14:15

DateReceived: 07/10/25 Matrix: Aqueous

Analyses	Result Units	Qualifiers	RL	MCL/ QCL Method	Analysis Date / By
PHYSICAL PROPERTIES Solids, Total Dissolved TDS @ 180 C	107 mg/L		20	A2540 C	07/10/25 16:45 / etv
AGGREGATE ORGANICS Oxygen Demand, Chemical (COD)	ND mg/L		5	E410.4	07/11/25 15:41 / fap

Report RL - Analyte Reporting Limit Definitions: QCL - Quality Control Limit

MCL - Maximum Contaminant Level



Revised Date: 08/28/25

# **QA/QC Summary Report**

Prepared by Billings, MT Branch

Work Order: B25070838 Report Date: 07/16/25

Analyte Co	ount Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2540 C							E	Batch: TDS20	250710D
Lab ID: MBLK_20250710-8	Method Blank				Run: Bal #3	0_250710F		07/10/	25 16:44
Solids, Total Dissolved TDS @ 180 0	C ND	mg/L	20						
Lab ID: LCS_20250710-5	Laboratory Co	ntrol Sample			Run: Bal #3	0_250710F		07/10/	25 16:44
Solids, Total Dissolved TDS @ 180 0	C 938	mg/L	25	94	90	110			
Lab ID: B25070837-001ADUP	Sample Duplic	cate			Run: Bal #3	0_250710F		07/10/	25 16:45
Solids, Total Dissolved TDS @ 180	C 4610	mg/L	250				1.3	10	

Qualifiers:

RL - Analyte Reporting Limit



Work Order: B25070838

Billings, MT 406.252.6325 • Casper, WY 307.235.0515 Gillette, WY 307.686.7175 • Helena, MT 406.442.0711

# **QA/QC Summary Report**

Prepared by Billings, MT Branch

**Revised Date:** 08/28/25 **Report Date:** 07/16/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E410.4								Analytical I	Run: SPEC3	_250711A
Lab ID: CCV-201379	Coi	ntinuing Cal	ibration Verificat	on Standar	rd				07/11/	/25 15:41
Oxygen Demand, Chemical (COI	D)	47.0	mg/L	5.0	94	90	110			
Method: E410.4									Batc	h: 201379
Lab ID: MB-201379	Me	thod Blank				Run: SPEC	3_250711A		07/11	/25 15:41
Oxygen Demand, Chemical (COI	D)	ND	mg/L	3						
Lab ID: LCS-201379	Lab	ooratory Cor	ntrol Sample			Run: SPEC	3_250711A		07/11	/25 15:41
Oxygen Demand, Chemical (COI	O)	22.3	mg/L	5.0	91	90	110			
Lab ID: B25070819-001HMS	Sar	mple Matrix	Spike			Run: SPEC	3_250711A		07/11	/25 15:41
Oxygen Demand, Chemical (COI	D)	29.0	mg/L	5.0	94	90	110			
Lab ID: B25070819-001HMSI	<b>)</b> Sar	mple Matrix	Spike Duplicate			Run: SPEC	3_250711A		07/11	/25 15:41
Oxygen Demand, Chemical (COI	O)	29.3	mg/L	5.0	95	90	110	1.1	10	

RL - Analyte Reporting Limit

# Laboratory Certifications and Accreditations

Current certificates are available at <a href="www.energylab.com">www.energylab.com</a> website:

	Agency	Number
	Alaska	17-023
	California	3087
	Colorado	MT00005
	Department of Defense (DoD)/ISO17025	ADE-2588
Billings, MT	Florida (Primary NELAP)	E87668
	Idaho	MT00005
d	Louisiana	05079
AÑAB	Montana	CERT0044
ANSI National Accreditation Board  A C C R E D I T E D	Nebraska	NE-OS-13-04
TESTING LABORATORY	Nevada	NV-C24-00250
ACCRE	North Dakota	R-007
AND THE STREET	National Radon Proficiency	109383-RMP
TNI	Oregon	4184
BORATON	South Dakota	ARSD 74:04:07
	Texas	TX-C24-00302
	US EPA Region VIII	Reciprocal
	USDA Soil Permit	P330-20-00170
	Washington	C1039
	Alaska	20-006
	California	3021
	Colorado	WY00002
	Florida (Primary NELAP)	E87641
Common MAY	Idaho	WY00002
Casper, WY	Louisiana	05083
cusper, vv r	Montana	CERT0002
TNI ACCRECATE	Nebraska	NE-OS-08-04
	Nevada	NV-C24-00245
LABORATOR'S	North Dakota	R-125
TNI	Oregon	WY200001
	South Dakota	WY00002
	Texas	T104704181-23-21
	US EPA Region VIII	WY00002
	USNRC License	49-26846-01
	Washington	C1012
Gillette, WY	US EPA Region VIII	WY00006
	Colorado	MT00945
Helena, MT	Montana	CERT0079
	Nevada	NV-C24-00119
	US EPA Region VIII	Reciprocal
	USDA Soil Permit	P330-20-00090

LABORATORIES TO Inst our Data.

# Chain of Custody & Analytical Request Record

of 1 Page 1

Account Inf	Account Information (Billing information)	information)		Rep	Report Information (if different than Account Information)	ion (if differ	ent than Accou	nt Information)	Comments		
Company/Name Linkan	Linkan			Compa	Company/Name Linkan	u.			Outfall 001A - Weekly Sample	Weekly	Sample
Contact	Chris Prosper			Contact	22	Alex Schwiebert	_				
Phone	775-777-8003			Phone	775-3	775-397-6779					
Mailing Address	2720 Ruby Vista Dr	Ď		Mailing	Mailing Address 2720	2720 Ruby Vista Dr	a Dr		Please email	Report a	Please email Report and EDD results to:
City, State, Zip	Elko, NV 89801			City, S	City, State, Zip Elko,	Elko, NV 89801			chris.prosper@linkan.com	@linkan.	com
Email	AP@linkan.com			Email	see	see comments			adam.billin@linkan.com	inkan.co	om an com
Receive Invoice	☐Hard Copy ■Email	Receive Report □Hard Copy ■Email	]Hard Copy ■Er		Receive Report	Copy Email	aii		peter.hays@state.co.us	tate.co.	ns
Purchase Order 25-0152	Quote H17287	Bott	Bottle Order 27		Special Report/Formats:		■ EDD/EDT (contact laboratory) □ Other	олу) □ Other			
Project Information	rmation				Matrix Codes			Analysis Requested	ted		
Project Name, PV	Project Name, PWSID, Permit, etc. Schwartzwalder Mine	nwartzwalder Min	Je Je		A- Air	9					All turnaround times are standard unless marked as
Sampler Name	Brown + Acou		Sampler Phone 70 -238	S-Cale	W- Water	pilos					RUSH.
Sample Origin State Colorado	atelColorado	EPA/State Compliance	npliance 🔳 Yes	ON [	V - Vegetation	_	uəfi			p	MUST be contacted prior to
URANIUM MININ	URANIUM MINING CLIENTS MUST indicate sample type  ☐ Unprocessed Ore	dicate sample type	C A		B - Bioassay O - Oil	ouəds	li Oxy			зсрв	Charges and scheduling –
☐ 11(e)2 Byprodu	uct Material (Can ONL)	Y be Submitted to EL	Casper Location	(-	DW - Water					βA	
S	Sample Identification	tion etc.)	Collection	Time	Number of See Codes	IstoT	Dems			See TAT	ELI LAB ID Laboratory Use Only
1 Outfall 001A	14		34/1/2	3:30	3					•	825670838
2 Outfall 001A	1A		2/4/2	98:7	3					•	
3 Outfall 001A	1A		1/4/251	14:30	2 1					•	
4											
5											
9										31	
7										ā	
80											
6											
H	ELI is REQUIRED to provide preservative traceability.	rovide preservati	ve traceability	-	ervatives supplie	ed with the t	ottle order w	ere NOT used, please	if the preservatives supplied with the bottle order were NOT used, please attach your preservative information with this COC.	ive inform	ation with this COC.
Custody	Relinquished by (print)	Da	Date/Time	Signature	9	,	Received by (print)	print)	Date/Time	Sign	Signature , , , , ,
	Religquished by (print)	\$ 9m	Pate/Fine / 153	3-0 Signature		Recei	Received by	Received by Laboratory (print)	Date/Time 25 1115	1	Signature / John Signature / John
Shipped By	Cooler ID(s)	Custody Seals	Intact	Receipt Temp	Temp E	On Ice		Payment Type Cash Check	Amount \$	Receipt N	Receipt Number (cash/check only)
					325	70 70	2				

In certain circumstances, samples submitted to Energy Laboratories, Inc. may be subcontracted to other certified laboratories in order to complete the analysis requested. This serves as notice of this possibility. All subcontracted data will be clearly notated on your analytical report.

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# BOTTLE ORDER 186627

		I IIIS	s a recurrin	Ins is a recurring bottle order. If you have received this in error prease contact your laboratory	IIIS III SIII	picase comia	W YOUR IADOLAND.
SHIPPED TO:		Linkan Engineering	eering			To report and Data Sheet scan here	To report an issue with this order, view Safety Data Sheets, or let us know how we are doing, scan here or go to energylab.com/contact-us
Contac	Contact: Brendan Smith	h					Order Created by: Yvonna E. Smith
	400 Corporat	400 Corporate Circle, Suite H	н				Shipped From: Billings, MT
	Golden CO 80401	0401				*	Ship Date: 9/3/2024
Phone:	(775) 389-5582	23					VIA: Ground
Project:	: Schwartzwalder Mine - Weekly	ler Mine - We	ekly				Quote Used: 17287
		Bottles	9		Critical		

na E. Smith

Bottle Size/Type	Bottles Per Samp	Method	Tests	Critical Hold Time	Preservative	Notes	Num of Samp
Outfall 001A Weekly COD	kly CC	Q					
500 mL Plastic	1	1 E410.4	Chemical Oxygen Demand		H2SO4		_
		HACH 8000	HACH 8000 Preparation for COD testing HACH 8000				
			6				
Outfall 001A 3 Times Weekly TSS (3 Sets)	nes W	eekly TS	S ( 3 Sets)				
1 Liter Plastic Wide Mouth	1	1 A2540 D	Solids, Total Suspended			Fill to the neck of the container.	_
Comments						e.	

HNO3 - Nitric Acid		HNO3 - Nitric Acid H2SO4 - Sulfuric Acid	NaOH - Sodium Hydroxide	We strongly suggest that the samples are
ZnAc - Zinc Acetate HCI - Hydrochloric	0	HCI - Hydrochloric Acid	H3PO4 - Phosphoric Acid	shipped the same day as they are collected

Subcontracting of sample analyses to an outside laboratory may be required. If so, Energy Laboratories will utilize its branch laboratories or qualified contract laboratories for this service. Any such laboratories will be indicated within the Laboratory Analytical Report.

1 of 1

BO#: 186627

# **ANALYTICAL SUMMARY REPORT**

July 24, 2025

Linkan Engineering 2720 Ruby Vista Dr Ste 101 Elko, NV 89801-4943

Work Order: B25071601 Quote ID: B17287

Project Name: Schwartzwalder Mine

Energy Laboratories Inc Billings MT received the following 3 samples for Linkan Engineering on 7/17/2025 for analysis.

Lab ID	Client Sample ID	Collect Date Ro	eceive Date	Matrix	Test
B25071601-001	Outfall 001A	07/11/25 13:10	07/17/25	Aqueous	Solids, Total Suspended
B25071601-002	Outfall 001A	07/14/25 13:10	07/17/25	Aqueous	Same As Above
B25071601-003	Outfall 001A	07/16/25 14:15	07/17/25	Aqueous	Chemical Oxygen Demand Preparation for COD testing HACH 8000 Solids, Total Suspended

The analyses presented in this report were performed by Energy Laboratories, Inc., 1120 So. 27th Street, Billings, MT 59101, unless otherwise noted. Any exceptions or problems with the analyses are noted in the report package. Any issues encountered during sample receipt are documented in the Work Order Receipt Checklist.

The results as reported relate only to the item(s) submitted for testing. This report shall be used or copied only in its entirety. Energy Laboratories, Inc. is not responsible for the consequences arising from the use of a partial report.

Energy Laboratories, Inc. verifies the reported results for the analysis has been technically reviewed and approved for release.

If you have any questions regarding these test results, please contact your Project Manager.

# LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client:Linkan EngineeringReport Date:07/24/25Project:Schwartzwalder MineCollection Date:07/11/25 13:10Lab ID:B25071601-001DateReceived:07/17/25Client Sample ID:Outfall 001AMatrix:Aqueous

Analyses	Result Units	Qualifiers	RL	MCL/ QCL Method	Analysis Date / By
PHYSICAL PROPERTIES Solids, Total Suspended TSS @ 105 C	ND mg/L		10	A2540 D	07/18/25 11:10 / pjw

Report RL - Analyte Reporting Limit

Definitions: QCL - Quality Control Limit

MCL - Maximum Contaminant Level

# LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client:Linkan EngineeringReport Date:07/24/25Project:Schwartzwalder MineCollection Date:07/14/25 13:10Lab ID:B25071601-002DateReceived:07/17/25Client Sample ID:Outfall 001AMatrix:Aqueous

Analyses	Result Units	Qualifiers	RL	MCL/ QCL Method	Analysis Date / By
PHYSICAL PROPERTIES Solids, Total Suspended TSS @ 105 C	ND mg/L		10	A2540 D	07/18/25 11:10 / pjw

Report RL - Analyte Reporting Limit

Definitions: QCL - Quality Control Limit

MCL - Maximum Contaminant Level

# LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client:Linkan EngineeringReport Date:07/24/25Project:Schwartzwalder MineCollection Date:07/16/25 14:15Lab ID:B25071601-003DateReceived:07/17/25Client Sample ID:Outfall 001AMatrix:Aqueous

Analyses	Result Units	Qualifiers	RL	MCL/ QCL Method	Analysis Date / By
PHYSICAL PROPERTIES Solids, Total Suspended TSS @ 105 C	ND mg/L		10	A2540 D	07/18/25 11:10 / pjw
AGGREGATE ORGANICS Oxygen Demand, Chemical (COD)	ND mg/L		5	E410.4	07/18/25 15:16 / fap

Report RL - Analyte Reporting Limit

Definitions: QCL - Quality Control Limit

MCL - Maximum Contaminant Level

# **QA/QC Summary Report**

Prepared by Billings, MT Branch

Work Order: B25071601 Report Date: 07/24/25

Analyte	Cor	unt	Result	Units	RL	%REC	Low Limit	High Limit	RPD RPDLimi	t Qual
Method:	A2540 D								Batch: TSS	20250718A
Lab ID: M	BLK_20250718-3	Meth	nod Blank				Run: BAL #	30_250718F	07/	18/25 11:09
Solids, Total	Suspended TSS @ 105	С	ND	mg/L	0.6					
Lab ID: Lo	CS_20250718-2	Labo	oratory Cor	ntrol Sample			Run: BAL #	30_250718F	07/	18/25 11:09
Solids, Total	Suspended TSS @ 105	С	95.0	mg/L	25	95	80	120		
Lab ID: B	25071606-004BDUP	Sam	ple Duplica	ate			Run: BAL #	30_250718F	07/	18/25 11:10
Solids, Total	Suspended TSS @ 105	0	1.60	mg/L	10				10	J
TSS did not o	btain the minimum residue re	quireme	nt of 2.5 mg	residue.						



# **QA/QC Summary Report**

Prepared by Billings, MT Branch

Work C	Order: B25071601							Re	port Date:	07/24/25	
Analyte		Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method:	E410.4								Analytical F	Run: SPEC3	_250718B
Lab ID:	CCV-201618	Cor	ntinuing Cal	ibration Verific	cation Standar	d				07/18	/25 15:16
Oxygen D	emand, Chemical (COD	)	50.9	mg/L	5.0	102	90	110			
Method:	E410.4									Bato	h: 201618
Lab ID:	MB-201618	Met	thod Blank				Run: SPEC	3_250718B		07/18	/25 15:15
Oxygen D	emand, Chemical (COD	)	ND	mg/L	3						
Lab ID:	LCS-201618	Lab	oratory Cor	ntrol Sample			Run: SPEC	3_250718B		07/18	3/25 15:15
Oxygen D	emand, Chemical (COD	)	24.4	mg/L	5.0	100	90	110			
Lab ID:	B25071601-003BMS	Sar	nple Matrix	Spike			Run: SPEC	3_250718B		07/18	3/25 15:16
Oxygen D	emand, Chemical (COD	)	26.5	mg/L	5.0	108	90	110			
Lab ID:	B25071601-003BMSD	Sar	nple Matrix	Spike Duplica	ite		Run: SPEC	3_250718B		07/18	3/25 15:16
Oxygen D	emand, Chemical (COD	)	25.8	mg/L	5.0	106	90	110	2.6	10	

RL - Analyte Reporting Limit

# Work Order Receipt Checklist

# Linkan Engineering

Login completed by: Cindy Rohrer

# B25071601

Date Received: 7/17/2025

Reviewed by:	dsawyer		Re	eceived by: SRG	
Reviewed Date:	7/24/2025		Cai	rrier name: Return-Fe	dEx NDA
Shipping container/cooler in	good condition?	Yes √	No 🗌	Not Present	
Custody seals intact on all sh	nipping container(s)/cooler(s)?	Yes ✓	No 🗌	Not Present	
Custody seals intact on all sa	ample bottles?	Yes	No 🗌	Not Present ✓	
Chain of custody present?		Yes 🔽	No 🗌		
Chain of custody signed whe	en relinquished and received?	Yes 🗸	No 🗌		
Chain of custody agrees with	sample labels?	Yes 🗸	No 🗌		
Samples in proper container/	bottle?	Yes 🗸	No 🗌		
Sample containers intact?		Yes 🗸	No 🗌		
Sufficient sample volume for	indicated test?	Yes 🗸	No 🗌		
All samples received within h (Exclude analyses that are co such as pH, DO, Res Cl, Su	onsidered field parameters	Yes ✓	No 🗌		
Temp Blank received in all sl	nipping container(s)/cooler(s)?	Yes √	No 🗌	Not Applicable	
Container/Temp Blank tempe	erature:	5.0°C On Ice			
Containers requiring zero heabubble that is <6mm (1/4").	adspace have no headspace or	Yes	No 🗌	No VOA vials submitted	$\checkmark$
Water - pH acceptable upon	receipt?	Yes 🗸	No 🗌	Not Applicable	

# **Standard Reporting Procedures:**

Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH, Dissolved Oxygen and Residual Chlorine, are qualified as being analyzed outside of recommended holding time.

Solid/soil samples are reported on a wet weight basis (as received) unless specifically indicated. If moisture corrected, data units are typically noted as –dry. For agricultural and mining soil parameters/characteristics, all samples are dried and ground prior to sample analysis.

The reference date for Radon analysis is the sample collection date. The reference date for all other Radiochemical analyses is the analysis date. Radiochemical precision results represent a 2-sigma Total Measurement Uncertainty.

For methods that require zero headspace or require preservation check at the time of analysis due to potential interference, the pH is verified at analysis. Nonconforming sample pH is documented as part of the analysis and included in the sample analysis comments.

Trip Blanks and/or Blind Duplicate samples are assigned the earliest collection time for the associated requested analysis in order to evaluate the holding time unless specifically indicated.

## **Contact and Corrective Action Comments:**

None

# Laboratory Certifications and Accreditations

Current certificates are available at <a href="www.energylab.com">www.energylab.com</a> website:

	Agency	Number
	Alaska	17-023
	California	3087
	Colorado	MT00005
	Department of Defense (DoD)/ISO17025	ADE-2588
Billings, MT	Florida (Primary NELAP)	E87668
	Idaho	MT00005
d	Louisiana	05079
AÑAB	Montana	CERT0044
ANSI National Accreditation Board  A C C R E D I T E D	Nebraska	NE-OS-13-04
ISO/IEC 17025 TESTING LABORATORY	Nevada	NV-C24-00250
DCCRe.	North Dakota	R-007
A CONTRACTOR OF THE CONTRACTOR	National Radon Proficiency	109383-RMP
TNI	Oregon	4184
BORATON	South Dakota	ARSD 74:04:07
	Texas	TX-C24-00302
	US EPA Region VIII	Reciprocal
	USDA Soil Permit	P330-20-00170
	Washington	C1039
	Alaska	20-006
	California	3021
	Colorado	WY00002
	Florida (Primary NELAP)	E87641
	Idaho	WY00002
Caspor M/V	Louisiana	05083
Casper, WY	Montana	CERT0002
WAS ACCREDING	Nebraska	NE-OS-08-04
TNI	Nevada	NV-C24-00245
ABORATOR'S	North Dakota	R-125
	Oregon	WY200001
	South Dakota	WY00002
	Texas	T104704181-23-21
	US EPA Region VIII	WY00002
	USNRC License	49-26846-01
	Washington	C1012
Gillette, WY	US EPA Region VIII	WY00006
	Colorado	MT00945
Helena, MT	Montana	CERT0079
	Nevada	NV-C24-00119
	US EPA Region VIII	Reciprocal
	USDA Soil Permit	P330-20-00090



# Chain of Custody & Analytical Request Record

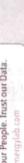
www.energylab.com

Page 1 of 1

Account Information (Billing information)	ation)	Report Information (if different than Account Information)	(if different than Accoun	(Information)	Comments		
Company/Name Linkan		Company/Name Linkan			Outfall 001A - Weekly Sample	Weekly	y Sample
Contact Chris Prosper		Contact Alex Schwiebert	viebert				
Phone 775-777-8003		Phone 775-397-6779	6779				
Mailing Address 2720 Ruby Vista Dr		Mailing Address 2720 Ruby Vista Dr	y Vista Dr		Please email F	Report :	Please email Report and EDD results to:
City, State, Zip Elko, NV 89801		City, State, Zip Elko, NV 89801	39801	.9	chris.prosper@linkan.com	<b>Dlinkan</b>	.com
Email AP@linkan.com		Email see comments	nents		adam.billin@linkan.com	nkan.cc	mo
Receive Invoice	eive Report	Receive Report	■Email		neter havs@state co us	tate Co	an.com
Purchase Order Quote 25-0152 H17287	Bottle Order	Special Report/Formats:	■ EDD/EDT (contact laboratory) □ Other_	y) □ Other			
Project Information		Matrix Codes		Analysis Requested	Pe	F	
Project Name, PWSID, Permit, etc. Schwartzwalder Mine	zwalder Mine	A- Air					All turnaround times are
Sampler Name Bruce + Acerted Sa	Sampler Phone 7/238/6/						Standard unless marked as RUSH.
	EPA/State Compliance	Solids					Energy Laboratories MUST be contacted prior to
URANIUM MINING CLIENTS MUST indicate sample type  ☐ Unprocessed Ore  ☐ Processed Ore (Ground or Refined) **CALL BEFORE SENDING  ☐ 11(e)2 Byproduct Material (Can ONLY be Submitted to ELI Casper Location)	sample type . BEFORE SENDING ubmitted to ELI Casper Location)	B - Bioassay O- Oil DW - Water Water	yxO lsoir			Attached	RUSH sample submittal for charges and scheduling – See Instructions Page
Sample Identification (Name, Location, Interval, etc.)	Collection Date Time	Number of Matrix Containers (See Codes Above)				See TAT	ELI LAB ID Laboratory Use Only
1 Outfall 001A	11/25 (3)	3				•	132567 [10]
2 Outfall 001A	161×7/1/4	/M   0				•	
3 Outfall 001A	7/16/25 14	3				•	
4							
S						1	9
9							
2						-	
8			X				
ō	i i						
ELI is REQUIRED to provide preservative traceability.		If the preservatives supplied with the bottle order were NOT used, please attach your preservative information with this COC.	the bottle order wer	e NOT used, please at	ttach your preservativ	ve informa	ation with this COC.
Custody Relinquished by (print) Record	Date/Time / 1930	Signature ###	Received by (print)	nt)	Date/Time	Sign	Signature
MUST Refinquighed by (print) be signed	Date/Time	Signature	À	Laboratory (print)	Thas II.	Sign	Signetified Mit 30
Shipped By Cooler ID(s) Custody	/ Seals Intact	Receipt Temp Blank Or	lank On Ice Pa	Payment Type	Amount	Receipt N	Receipt Number (cash/check only)
	0	2	3		9		

In certain circumstances, samples submitted to Energy Laboratories, Inc. may be subcontracted to other certified laboratories in order to complete the analysis requested.

This serves as notice of this possibility. All subcontracted data will be clearly notated on your analytical report.





# **BOTTLE ORDER 193741**

SHIPPED

Linkan Engineering

Contact: Chris Prosper

400 Corporate Circle, Suite H

Golden CO 80401

(719) 247-0564 Phone:

Schwartzwalder Mine-Outfall 001A Monthly + Weekly Project:

To report an issue with this order, view Safety Data Sheets, or let us know how we are doing, scan here or go to energylab.com/contact-us Order Created by: Yvonna E. Smith Shipped From: Billings, MT Ship Date: 4/17/2025

Quote Used: 17287

VIA: Ground

Per			Critical			Num
e Size/Type Samp	Method	Tests	Time	Preservative	Notes	Samp

				0.000	000
			11 11 11 11		
Outfall 001A Weekly COD ( 4 Sets)	V COD ( 4 Se	ets)			
500 mL Plastic	1 E410.4	Chemical Oxygen Demand		H2SO4	-
	HACH 8000	HACH 8000 Preparation for COD testing HACH 8000	X.		

Julian Vola Illiee Illin	Outfall 001A Three Times Weekly TSS (12 Sets)		
1 Liter Plastic Wide 1	A2540 D Solids, Total Suspended	Fill to the neck of the container.	-

Outfall 001A Bi-Weekly (2 Sets)	eekly	(2 Sets)					
250 mL Plastic	-	A3500-Cr B	A3500-Cr B Chromium, Hexavalent	24.00 hrs			-
		E300.0	Anions by Ion Chromatography				
250 mL Plastic	-	E200.7_8	Metals by ICP/ICPMS, Dissolved		HN03	Filter before preservation	-
250 mL Plastic	_	E200.7_8	E200.7_8 Metals by ICP/ICPMS, Total Recoverable		HNO3		-
		Calculation	Calculation Chromium, Total Recoverable Trivalent				
		E245.1	Mercury, Total				
		E200.2	Metals Digestion by E200.2				
		E245.1	Mercury Digestion by E245.1				

BO#: 193741

1 of 2

250 mL Plastic	1 E200.7_8	1 E200.7_8 Metals by ICP/ICPMS, Potentially Dissolved	HNO3		7
	MCAWW	Preparation, Potentially Dissolved Filtration			
500 mL Amber Plastic	1 Kelada-01	Kelada-01 Cyanide, Weak Acid Dissociable	NaOH		1
250 mL Plastic	1 A4500-S D	1 A4500-S D Sulfide, Methylene Blue Colorimetric	ZnAc NaOH	Zero headspace	1
1 Gallon Plastic	1 E903.0	Radium 226, Dissolved	HNO3	Filter before preservation	1
1 Gallon Plastic	1 A7500-RA E903.0 RA-05	Radium 226 + Radium 228 Radium 226, Total Radium 228, Total	HNO3	This now only requires one (1) 15mL nitric acid vial for preservation.	-

# Comments

HNO3 - Nitric Acid	H2SO4 - Sulfuric Acid	NaOH - Sodium Hydroxide	We strongly suggest that the samples are
ZnAc - Zinc Acetate	HCI - Hydrochloric Acid	H3PO4 - Phosphoric Acid	shipped the same day as they are collected.

Corrosive Chemicals: Nitric, Sulfuric, Phosphoric, Hydrochloric Acids and Sodium Hydroxide. Zinc Acetate is a skin irritant. Material Safety Data Sheets(MSDS) Available @ EnergyLab.com ->Services -> MSDS Sheets

Subcontracting of sample analyses to an outside laboratory may be required. If so, Energy Laboratories will utilize its branch. Iaboratories or qualified contract laboratories for this service. Any such laboratories will be indicated within the Laboratory Analytical Report.

# **ANALYTICAL SUMMARY REPORT**

July 30, 2025

Linkan Engineering 2720 Ruby Vista Dr Ste 101 Elko, NV 89801-4943

Work Order: B25072143 Quote ID: B17287

Project Name: Schwartzwalder Mine

Energy Laboratories Inc Billings MT received the following 3 samples for Linkan Engineering on 7/24/2025 for analysis.

Lab ID	Client Sample ID	Collect Date Re	ceive Date	Matrix	Test
B25072143-001	Outfall 001A	07/18/25 14:20	07/24/25	Aqueous	Solids, Total Suspended
B25072143-002	Outfall 001A	07/21/25 14:25	07/24/25	Aqueous	Same As Above
B25072143-003	Outfall 001A	07/23/25 14:45	07/24/25	Aqueous	Chemical Oxygen Demand Preparation for COD testing HACH 8000 Solids, Total Suspended

The analyses presented in this report were performed by Energy Laboratories, Inc., 1120 So. 27th Street, Billings, MT 59101, unless otherwise noted. Any exceptions or problems with the analyses are noted in the report package. Any issues encountered during sample receipt are documented in the Work Order Receipt Checklist.

The results as reported relate only to the item(s) submitted for testing. This report shall be used or copied only in its entirety. Energy Laboratories, Inc. is not responsible for the consequences arising from the use of a partial report.

Energy Laboratories, Inc. verifies the reported results for the analysis has been technically reviewed and approved for release.

If you have any questions regarding these test results, please contact your Project Manager.

# LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client:Linkan EngineeringReport Date:07/30/25Project:Schwartzwalder MineCollection Date:07/18/25 14:20Lab ID:B25072143-001DateReceived:07/24/25Client Sample ID:Outfall 001AMatrix:Aqueous

Analyses	Result Units	Qualifiers	RL	MCL/ QCL Method	Analysis Date / By
PHYSICAL PROPERTIES Solids, Total Suspended TSS @ 105 C	ND mg/L		10	A2540 D	07/25/25 10:01 / pjw

Report RL - Analyte Reporting Limit

Definitions: QCL - Quality Control Limit

MCL - Maximum Contaminant Level

# LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

 Client:
 Linkan Engineering
 Report Date:
 07/30/25

 Project:
 Schwartzwalder Mine
 Collection Date:
 07/21/25 14:25

 Lab ID:
 B25072143-002
 DateReceived:
 07/24/25

 Client Sample ID:
 Outfall 001A
 Matrix:
 Aqueous

Analyses	Result Units	Qualifiers	RL	MCL/ QCL Method	Analysis Date / By
PHYSICAL PROPERTIES Solids, Total Suspended TSS @ 105 C	ND mg/L		10	A2540 D	07/25/25 10:01 / pjw

Report RL - Analyte Reporting Limit

Definitions: QCL - Quality Control Limit

MCL - Maximum Contaminant Level



Prepared by Billings, MT Branch

Client:Linkan EngineeringReport Date:07/30/25Project:Schwartzwalder MineCollection Date:07/23/25 14:45Lab ID:B25072143-003DateReceived:07/24/25Client Sample ID:Outfall 001AMatrix:Aqueous

Analyses	Result Units	Qualifiers	RL	MCL/ QCL Method	Analysis Date / By
PHYSICAL PROPERTIES Solids, Total Suspended TSS @ 105 C	ND mg/L		10	A2540 D	07/25/25 10:01 / pjw
AGGREGATE ORGANICS Oxygen Demand, Chemical (COD)	6 mg/L		5	E410.4	07/25/25 15:51 / fap

Report RL - Analyte Reporting Limit

Definitions: QCL - Quality Control Limit

MCL - Maximum Contaminant Level



# **QA/QC Summary Report**

Prepared by Billings, MT Branch

Work Order: B25072143						Repo	rt Date:	07/30/25	
Analyte Co	unt Result	Units	RL	%REC Lov	w Limit	High Limit	RPD F	RPDLimit	Qual
Method: A2540 D							Ва	tch: TSS2	0250725A
Lab ID: MBLK_20250725-1	Method Blank			Rui	n: BAL #3	0_250725A		07/25	/25 10:01
Solids, Total Suspended TSS @ 105	C ND	mg/L	0.6						
Lab ID: LCS_20250725-1	Laboratory Co	ntrol Sample		Rui	n: BAL #3	0_250725A		07/25	/25 10:01
Solids, Total Suspended TSS @ 105	C 94.0	mg/L	25	94	80	120			
Lab ID: B25072142-001BDUP	Sample Duplic	ate		Rui	n: BAL #3	0_250725A		07/25	/25 10:01
Solids, Total Suspended TSS @ 105	C 101	mg/L	10				3.0	10	
Lab ID: B25072181-001ADUP	Sample Duplic	ate		Rui	n: BAL #3	0_250725A		07/25	/25 14:18
Solids Total Suspended TSS @ 105	C 380	ma/l	50				8.2	10	

RL - Analyte Reporting Limit

# **QA/QC Summary Report**

Prepared by Billings, MT Branch

 Work Order:
 B25072143

 Report Date:
 07/30/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E410.4								Analytical F	Run: SPEC3	_250725B
Lab ID: CCV-201860	Cor	ntinuing Cal	ibration Verificat	ion Standar	d				07/25	/25 15:51
Oxygen Demand, Chemical (	COD)	50.2	mg/L	5.0	100	90	110			
Method: E410.4									Batc	h: 201860
Lab ID: MB-201860	Met	hod Blank				Run: SPEC	3_250725B		07/25	/25 15:51
Oxygen Demand, Chemical (	COD)	ND	mg/L	3						
Lab ID: LCS-201860	Lab	oratory Cor	ntrol Sample			Run: SPEC	3_250725B		07/25	/25 15:51
Oxygen Demand, Chemical (	COD)	25.6	mg/L	5.0	105	90	110			
Lab ID: B25072143-003B	<b>MS</b> Sar	nple Matrix	Spike			Run: SPEC	3_250725B		07/25	/25 15:51
Oxygen Demand, Chemical (	COD)	28.1	mg/L	5.0	92	90	110			
Lab ID: B25072143-003B	MSD Sar	nple Matrix	Spike Duplicate			Run: SPEC	3_250725B		07/25	/25 15:51
Oxygen Demand, Chemical (	COD)	29.8	mg/L	5.0	99	90	110	5.8	10	

# Work Order Receipt Checklist

# Linkan Engineering

Login completed by: Elizabeth A. Holton

# B25072143

Date Received: 7/24/2025

. ,					
Reviewed by:	Icadreau		Re	eceived by: ET	
Reviewed Date:	7/29/2025		Ca	rrier name: Return-FedEx NDA	
Shipping container/cooler in	good condition?	Yes ✓	No 🗌	Not Present	
Custody seals intact on all s	hipping container(s)/cooler(s)?	Yes √	No 🗌	Not Present	
Custody seals intact on all s	ample bottles?	Yes	No 🗌	Not Present ✓	
Chain of custody present?		Yes √	No 🗌		
Chain of custody signed who	en relinquished and received?	Yes ✓	No 🗌		
Chain of custody agrees with	n sample labels?	Yes ✓	No 🗌		
Samples in proper container	/bottle?	Yes ✓	No 🗌		
Sample containers intact?		Yes ✓	No 🗌		
Sufficient sample volume for	indicated test?	Yes ✓	No 🗌		
All samples received within I (Exclude analyses that are c such as pH, DO, Res CI, Su	onsidered field parameters	Yes 🗹	No 🗌		
Temp Blank received in all s	hipping container(s)/cooler(s)?	Yes 🗹	No 🗌	Not Applicable	
Container/Temp Blank temp	erature:	4.2°C Blue Ice			
Containers requiring zero he bubble that is <6mm (1/4").	adspace have no headspace or	Yes	No 🗌	No VOA vials submitted	
Water - pH acceptable upon	receipt?	Yes 🔽	No 🗌	Not Applicable	

# **Standard Reporting Procedures:**

Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH, Dissolved Oxygen and Residual Chlorine, are qualified as being analyzed outside of recommended holding time.

Solid/soil samples are reported on a wet weight basis (as received) unless specifically indicated. If moisture corrected, data units are typically noted as –dry. For agricultural and mining soil parameters/characteristics, all samples are dried and ground prior to sample analysis.

The reference date for Radon analysis is the sample collection date. The reference date for all other Radiochemical analyses is the analysis date. Radiochemical precision results represent a 2-sigma Total Measurement Uncertainty.

For methods that require zero headspace or require preservation check at the time of analysis due to potential interference, the pH is verified at analysis. Nonconforming sample pH is documented as part of the analysis and included in the sample analysis comments.

Trip Blanks and/or Blind Duplicate samples are assigned the earliest collection time for the associated requested analysis in order to evaluate the holding time unless specifically indicated.

## **Contact and Corrective Action Comments:**

None

# Laboratory Certifications and Accreditations

Current certificates are available at <a href="www.energylab.com">www.energylab.com</a> website:

	Agency	Number
	Alaska	17-023
	California	3087
	Colorado	MT00005
	Department of Defense (DoD)/ISO17025	ADE-2588
Billings, MT	Florida (Primary NELAP)	E87668
	Idaho	MT00005
d	Louisiana	05079
AÑAB	Montana	CERT0044
ANSI National Accreditation Board  A C C R E D I T E D	Nebraska	NE-OS-13-04
ISO/IEC 17025 TESTING LABORATORY	Nevada	NV-C24-00250
DCCRe.	North Dakota	R-007
A CONTRACTOR OF THE CONTRACTOR	National Radon Proficiency	109383-RMP
TNI	Oregon	4184
BORATON	South Dakota	ARSD 74:04:07
	Texas	TX-C24-00302
	US EPA Region VIII	Reciprocal
	USDA Soil Permit	P330-20-00170
	Washington	C1039
	Alaska	20-006
	California	3021
	Colorado	WY00002
	Florida (Primary NELAP)	E87641
	Idaho	WY00002
Caspor M/V	Louisiana	05083
Casper, WY	Montana	CERT0002
WAS ACCREDING	Nebraska	NE-OS-08-04
TNI	Nevada	NV-C24-00245
ABORATOR'S	North Dakota	R-125
	Oregon	WY200001
	South Dakota	WY00002
	Texas	T104704181-23-21
	US EPA Region VIII	WY00002
	USNRC License	49-26846-01
	Washington	C1012
Gillette, WY	US EPA Region VIII	WY00006
	Colorado	MT00945
Helena, MT	Montana	CERT0079
	Nevada	NV-C24-00119
	US EPA Region VIII	Reciprocal
	USDA Soil Permit	P330-20-00090



# Chain of Custody & Analytical Request Record

				Page 1 of 1
Account In	Account Information (Billing information)		Report Information (if different than Account Information)	Commonte
Company/Name Linkan	Linkan		Company/Name   inkan	
Contact	Chris Prosper		Contact Alex Schwiebert	Outfall 001A - Weekly Sample
Phone	775-777-8003		Phone 775-397-6779	
Mailing Address	Mailing Address 2720 Ruby Vista Dr		Address	i
City, State, Zip	City, State, Zip Elko, NV 89801		City, State, Zip Elko, NV 89801	Please email Report and EDD results to:
Email	AP@linkan.com		Email see comments	adam.billin@linkan.com
Receive Invoice	Receive Invoice ☐Hard Copy 圖Email Receive Report ☐Hard Copy ■Email	d Copy EEmail	Receive Report □Hard Copy ■Email	alex.schwiebert@linkan.com
Purchase Order 25-0152	Quote Bottle Order	Id 7 941	Special Report/Formats: □ LEVEL IV □NELAC ■ EDD/EDT (contact taboratory) □ Other	peter.hays@state.co.us

		•							ANN CALL PROPERTY.			
Project II	Project Intormation			Matrix Codes	10		Analysis Requested	ested		L		
Project Name,	Project Name, PWSID, Permit, etc. Schwartzwalder Mine	der Mine		A- Air						T	All turnaround times are	
Sampler Name	Burgar Heard	0 8	/	W- Water S- Solids	sbiloS					u)	standard unless marked as RUSH.	
URANIUM MINING C  Unprocessed Ore  Processed Ore (G)  11(e)2 Byproduct I	COLOT STATE	EFAVState Compliance II Yes sample type - BEFORE SENDING	S G	V - Vegetation B - Bioassay O - Oil DW - Drinking	pəpuədsn	cal Oxyger id			rsched.		Energy Laboratories MUST be contacted prior to RUSH sample submittal for charges and scheduling – See Instructions Page	
	Sample Identification (Name, Location, Interval, etc.)	Collection	ction	Number of Containers (See Codes	II	ined: nema(			A 996		ELI LAB ID	
1 Outfall 001A	301A	2//2	1000	Above)		0			5 (	TAT	Laboratory Use Only	
2 Outfall 001A	01A	16/4	15.79	300							15 25 57 2145	
3 Outfall 001A	301A	4/23	ותחנ	2								-
4			2				i.e.		<b>)</b>			
2												
9											:-	
7												_
80												
6												
	ELI is REQUIRED to provide preservative traceability. If	ervative traceability		ervatives supplic	ed with the	bottle order we	he preservatives supplied with the bottle order were NOT used please attach your preservative information with the condensation.	a affach vour p	ri contonio	- Ji	000 th #100	
Custody	0	2/23 /1530		A STATE		Received by (print)	print)	Date/Time	oso vanya	Signature	an with this COC.	-
be signed	Relinguished by (print)	Date/Time/	Signat	8		Received by L	Received by Laboratory (print)	Date/Time	Date/Time	Signature	0	
						KIN	2000	11/1/	12 12 12		100	

In certain circumstances, samples submitted to Energy Laboratories, Inc. may be subcontracted to other certified laboratories in order to complete the analysis requested.
This serves as notice of this possibility. All subcontracted data will be clearly notated on your analytical report.

Payment Type sh Check

ပ္ပ

LABORATORY USE ONLY
Temp Blank On Ice

Receipt Temp

Intact Y N

Cooler ID(s)

Shipped By

10:45





# **BOTTLE ORDER 193741**

Linkan Engineering SHIPPED TO:

Chris Prosper Contact

400 Corporate Circle, Suite H

Golden CO 80401 (719) 247-0564 Phone:

Schwartzwalder Mine-Outfall 001A Monthly + Weekly Project:

To report an issue with this order, view Safety Data Sheets, or let us know how we are doing, scan here or go to energylab.com/contact-us

Shipped From: Billings, MT Ship Date: 4/17/2025

Order Created by: Yvonna E. Smith

Quote Used: 17287

Num	oę	Samp
		Notes
		Preservative
Critical	HOIG	lime
	T	lests
	Mothod	INICIIIOG
Bottles	Samo	Call
	Bottle Size/Tyne	

Bottle Size/Type	Per Samp	Per Samp Method	Tests	Critical Hold Time	Preservative	Notes	Num of Samp
Outfall 001A Weekly COD ( 4 Sets)	dy CO	D (4 Set	s)				
500 mL Plastic	_	E410.4	Chemical Oxygen Demand		H2SO4		-
		HACH 8000	HACH 8000 Preparation for COD testing HACH 8000				

	7		7	-	-		3	
			Filter before preservation					***************************************
			HNO3	HNO3				
	24.00 hrs							
	A3500-Cr B Chromium, Hexavalent	Anions by Ion Chromatography	Metals by ICP/ICPMS, Dissolved	Metals by ICP/ICPMS, Total Recoverable	Calculation Chromium, Total Recoverable Trivalent	Mercury, Total	Metals Digestion by E200.2	Mercury Digestion by E245.1
(2 Sets)	A3500-Cr B	E300.0	E200.7_8	E200.7_8	Calculation	E245.1	E200.2	E245.1
leekly	_		1	1				·
Outfall 001A Bi-Weekly ( 2 Sets)	250 mL Plastic		250 mL Plastic	250 mL Plastic				

BO#: 193741

1 of 2

o i	L	0 10001				
k Acid Dissolved  k Acid Dissociable lene Blue Colorimetric lene Blu	Z00.7_8 Mil	ŽÖ	EZUU. / _   Metals by ICP/ICP/MS, Potentially   Dissolved	HNO3		-
k Acid Dissociable In NaOH Iene Blue Colorimetric In NaOH Iene Blue Colorimetric In NaOH Issolved In NaOH In No3  Radium 228  Otal	MCAWW Fil	FI P	eparation, Potentially Dissolved tration			
lene Blue Colorimetric	elada-01 Cy	S	anide, Weak Acid Dissociable	NaOH		-
Dissolved HNO3 Radium 228 Otal	A4500-S D Sulfide, Methy	Su	lfide, Methylene Blue Colorimetric	ZnAc	Zero headspace	-
Radium 228 HNO3 Otal				NaOH		
Radium 228 otal	E903.0 Rac	Rac	dium 226, Dissolved	HNO3	Filter before preservation	-
Total Total	A7500-RA Radium 226 +	Rac	dium 226 + Radium 228	HNO3	This now only requires one (1) 15mL	-
lium 228, Total	E903.0 Rac	Rac	lium 226, Total		nitric acid vial for preservation.	
	RA-05 Ra	Ra	dium 228, Total			

Comments

HNO3 - Nitric Acid H2SO4 - Sulfuric Acid NaOH - Sodium Hydroxide	We strongly suggest that the samples are
ZnAc - Zinc Acetate HCI - Hydrochloric Acid Acid Acid	shipped the same day as they are collected.
Material Safety Data Sheets(MSDS) Available @ EnergyLab.com -> Services -> MSDS Sheets	
Corrosive Chemicals: Nitric, Sulfuric, Phosphoric, Hydrochloric Acids and Sodium Hydroxide. Zinc Acetate is a skin irritant.	
Subcontracting of sample analyses to an outside laboratory may be required. If so, Energy Laboratories will utilize its branch laboratories or qualified contract laboratories for this service. Any such laboratories will be indicated within the Laboratory Analytical Report.	ies or qualified contract laboratories for this service. Any such

# **ANALYTICAL SUMMARY REPORT**

August 06, 2025

Linkan Engineering 2720 Ruby Vista Dr Ste 101 Elko, NV 89801-4943

Work Order: B25072562 Quote ID: B17287

Project Name: Schwartzwalder Mine

Energy Laboratories Inc Billings MT received the following 3 samples for Linkan Engineering on 7/31/2025 for analysis.

Lab ID	Client Sample ID	Collect Date Receive	ve Date Matrix	Test
B25072562-001	Outfall 001A	07/25/25 14:30 07/	31/25 Aqueous	Solids, Total Suspended
B25072562-002	Outfall 001A	07/28/25 14:15 07/	31/25 Aqueous	Same As Above
B25072562-003	Outfall 001A	07/30/25 14:30 07/	31/25 Aqueous	Chemical Oxygen Demand Preparation for COD testing HACH 8000 Solids, Total Dissolved Solids, Total Suspended

The analyses presented in this report were performed by Energy Laboratories, Inc., 1120 So. 27th Street, Billings, MT 59101, unless otherwise noted. Any exceptions or problems with the analyses are noted in the report package. Any issues encountered during sample receipt are documented in the Work Order Receipt Checklist.

The results as reported relate only to the item(s) submitted for testing. This report shall be used or copied only in its entirety. Energy Laboratories, Inc. is not responsible for the consequences arising from the use of a partial report.

Energy Laboratories, Inc. verifies the reported results for the analysis has been technically reviewed and approved for release.

If you have any questions regarding these test results, please contact your Project Manager.





Prepared by Billings, MT Branch

Client:Linkan EngineeringReport Date:08/06/25Project:Schwartzwalder MineCollection Date:07/25/25 14:30Lab ID:B25072562-001DateReceived:07/31/25Client Sample ID:Outfall 001AMatrix:Aqueous

Analyses	Result Units	Qualifiers	RL	MCL/ QCL Method	Analysis Date / By
PHYSICAL PROPERTIES Solids, Total Suspended TSS @ 105 C	ND mg/L		10	A2540 D	07/31/25 14:46 / piw

Report RL - Analyte Reporting Limit

Definitions: QCL - Quality Control Limit

MCL - Maximum Contaminant Level





Prepared by Billings, MT Branch

Client:Linkan EngineeringReport Date:08/06/25Project:Schwartzwalder MineCollection Date:07/28/25 14:15Lab ID:B25072562-002DateReceived:07/31/25Client Sample ID:Outfall 001AMatrix:Aqueous

Analyses	Result Units	Qualifiers	RL	MCL/ QCL Method	Analysis Date / By
PHYSICAL PROPERTIES Solids, Total Suspended TSS @ 105 C	ND mg/L		10	A2540 D	07/31/25 14:46 / pjw

Report RL - Analyte Reporting Limit

Definitions: QCL - Quality Control Limit

MCL - Maximum Contaminant Level





Prepared by Billings, MT Branch

Client:Linkan EngineeringReport Date:08/06/25Project:Schwartzwalder MineCollection Date:07/30/25 14:30Lab ID:B25072562-003DateReceived:07/31/25Client Sample ID:Outfall 001AMatrix:Aqueous

Analyses	Result Units	Qualifiers	RL	MCL/ QCL Method	Analysis Date / By
PHYSICAL PROPERTIES					
Solids, Total Suspended TSS @ 105 C	ND mg/L		10	A2540 D	07/31/25 14:46 / pjw
Solids, Total Dissolved TDS @ 180 C	116 mg/L		20	A2540 C	07/31/25 15:31 / etv
AGGREGATE ORGANICS					
Oxygen Demand, Chemical (COD)	ND mg/L		5	E410.4	08/01/25 15:40 / fap

Report RL - Analyte Reporting Limit

Definitions: QCL - Quality Control Limit

MCL - Maximum Contaminant Level



# **QA/QC Summary Report**

Prepared by Billings, MT Branch

Work Order: B25072562			Report Date: 08/06/25					
Analyte Co	unt Result Units	RL	%REC Low Limit High Limit	RPD RPDLimit Qual				
Method: A2540 C				Batch: TDS20250731A				
Lab ID: MBLK_20250731-4	Method Blank		Run: Bal #30_250731B	07/31/25 15:29				
Solids, Total Dissolved TDS @ 180 C	ND mg/L	20						
Lab ID: LCS_20250731-3	Laboratory Control Samp	le	Run: Bal #30_250731B	07/31/25 15:29				
Solids, Total Dissolved TDS @ 180 C	937 mg/L	25	94 90 110					
Lab ID: B25072569-002BDUP	Sample Duplicate		Run: Bal #30_250731B	07/31/25 15:32				
Solids, Total Dissolved TDS @ 180 C	297 mg/L	25		2.2 10				

102

1.20

Sample Duplicate

mg/L

**Report Date:** 08/06/25

07/31/25 14:45

J

10

Work Order: B25072562

Solids, Total Suspended TSS @ 105 C

B25072549-001ADUP

Lab ID:

# **QA/QC Summary Report**

Prepared by Billings, MT Branch

Analyte	Cou	nt Result	Units	RL	%REC Low Limit High Limit	RPD RPDLimit Qual
Method:	A2540 D					Batch: TSS20250731A
Lab ID:	MBLK_20250731-3	Method Blank			Run: BAL #30_250731A	07/31/25 10:57
Solids, T	otal Suspended TSS @ 105 C	ND ND	mg/L	0.6		
Lab ID:	LCS_20250731-2	Laboratory Con	trol Sample		Run: BAL #30_250731A	07/31/25 10:57

25

10

102

80

Run: BAL #30 250731A

120

Solids, Total Suspended TSS @ 105 C TSS did not obtain the minimum residue requirement of 2.5 mg residue.

26.5

25.3

mg/L

mg/L

Sample Matrix Spike Duplicate

**Report Date: 08/06/25** 

4.5

08/01/25 15:40

10



Work Order: B25072562

Oxygen Demand, Chemical (COD)

Oxygen Demand, Chemical (COD)

Lab ID:

B25072562-003CMSD

# **QA/QC Summary Report**

Prepared by Billings, MT Branch

RL %REC Low Limit High Limit Analyte Count Result Units RPD RPDLimit Qual Method: E410.4 Analytical Run: SPEC3\_250801B Lab ID: CCV-202068 Continuing Calibration Verification Standard 08/01/25 15:40 Oxygen Demand, Chemical (COD) 48.5 5.0 97 mg/L 90 110 E410.4 Batch: 202068 Method: Lab ID: MB-202068 Method Blank Run: SPEC3 250801B 08/01/25 15:40 Oxygen Demand, Chemical (COD) ND 3 mg/L Lab ID: LCS-202068 Laboratory Control Sample Run: SPEC3 250801B 08/01/25 15:40 97 Oxygen Demand, Chemical (COD) 23.6 mg/L 5.0 90 B25072562-003CMS Sample Matrix Spike Run: SPEC3 250801B 08/01/25 15:40

5.0

5.0

108

104

90

90

Run: SPEC3 250801B

110

110

# **Work Order Receipt Checklist**

# Linkan Engineering

Login completed by: Crystal M. Jones

# B25072562

Date Received: 7/31/2025

Reviewed by:	dharris		Red	ceived by: SRG
Reviewed Date:	8/6/2025		Car	rier name: Return-FedEx NDA
Shipping container/cooler in	good condition?	Yes ✓	No 🗌	Not Present
Custody seals intact on all sl	nipping container(s)/cooler(s)?	Yes ✓	No 🗌	Not Present
Custody seals intact on all sa	ample bottles?	Yes	No 🗌	Not Present ✓
Chain of custody present?		Yes √	No 🗌	
Chain of custody signed whe	en relinquished and received?	Yes ✓	No 🗌	
Chain of custody agrees with	sample labels?	Yes ✓	No 🗌	
Samples in proper container	/bottle?	Yes 🗸	No 🗌	
Sample containers intact?		Yes 🗸	No 🗌	
Sufficient sample volume for	indicated test?	Yes 🗸	No 🗌	
All samples received within h (Exclude analyses that are couch as pH, DO, Res Cl, Su	onsidered field parameters	Yes 🔽	No 🗌	
Temp Blank received in all sl	hipping container(s)/cooler(s)?	Yes 🗹	No 🗌	Not Applicable
Container/Temp Blank tempe	erature:	5.0°C On Ice		
Containers requiring zero heabubble that is <6mm (1/4").	adspace have no headspace or	Yes	No 🗌	No VOA vials submitted
Water - pH acceptable upon	receipt?	Yes [	No 🗌	Not Applicable 🗹

# **Standard Reporting Procedures:**

Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH, Dissolved Oxygen and Residual Chlorine, are qualified as being analyzed outside of recommended holding time.

Solid/soil samples are reported on a wet weight basis (as received) unless specifically indicated. If moisture corrected, data units are typically noted as –dry. For agricultural and mining soil parameters/characteristics, all samples are dried and ground prior to sample analysis.

The reference date for Radon analysis is the sample collection date. The reference date for all other Radiochemical analyses is the analysis date. Radiochemical precision results represent a 2-sigma Total Measurement Uncertainty.

For methods that require zero headspace or require preservation check at the time of analysis due to potential interference, the pH is verified at analysis. Nonconforming sample pH is documented as part of the analysis and included in the sample analysis comments.

Trip Blanks and/or Blind Duplicate samples are assigned the earliest collection time for the associated requested analysis in order to evaluate the holding time unless specifically indicated.

## **Contact and Corrective Action Comments:**

The chain of custody indicates three containers for Outfall 001A collected 07/30/25 14:30. One of the three was a sulfuric preserved container. There is no analysis indicated on the chain of custody requiring this container. Analyze for

### Work Order Receipt Checklist - Continued

### Linkan Engineering

B25072562

chemical oxygen demand per phone conversation with Chris Prosper on 07/31/25. CMJ 07/31/25

### Laboratory Certifications and Accreditations

Current certificates are available at <a href="www.energylab.com">www.energylab.com</a> website:

	Agency	Number
	Alaska	17-023
	California	3087
	Colorado	MT00005
	Department of Defense (DoD)/ISO17025	ADE-2588
Billings, MT	Florida (Primary NELAP)	E87668
	Idaho	MT00005
d	Louisiana	05079
ANAB	Montana	CERT0044
ANSI National Accreditation Board ACCREDITED	Nebraska	NE-OS-13-04
TESTING LABORATORY	Nevada	NV-C24-00250
ACCRE	North Dakota	R-007
ALL DE CONTRACTOR OF THE PARTY	National Radon Proficiency	109383-RMP
TNI	Oregon	4184
BORATON	South Dakota	ARSD 74:04:07
	Texas	TX-C24-00302
	US EPA Region VIII	Reciprocal
	USDA Soil Permit	P330-20-00170
	Washington	C1039
	Alaska	20-006
	California	3021
	Colorado	WY00002
	Florida (Primary NELAP)	E87641
	Idaho	WY00002
Caspor IA/V	Louisiana	05083
Casper, WY	Montana	CERT0002
LAP ACCREDING	Nebraska	NE-OS-08-04
TNI	Nevada	NV-C24-00245
TABORATORY	North Dakota	R-125
	Oregon	WY200001
	South Dakota	WY00002
	Texas	T104704181-23-21
	US EPA Region VIII	WY00002
	USNRC License	49-26846-01
	Washington	C1012
Gillette, WY	US EPA Region VIII	WY00006
	Colorado	MT00945
Helena, MT	Montana	CERT0079
	Nevada	NV-C24-00119
	US EPA Region VIII	Reciprocal
	USDA Soil Permit	P330-20-00090

### Trust our People. Trust our Data.

### Chain of Custody & Analytical Request Record

	Report Information (if different then Account Information)	Comments
	Company/Name Linkan	Out of the state o
	Contact Alex Schwiebert	Cuttail out A - Weekly Sample
	Phone 775-397-6779	COLUMNIA COUNT CONTRAIN
	Mailing Address 2720 Ruby Vista Dr	
	City, State, Zip Elko, NV 89801	chris prosper@linkan.com
	Email see comments	adam.billin@linkan.com
Receive Involce	Receive Report	alex.schwiebert@linkan.com
Bottle Order	Special Report/Formats:	peter.hays@state.co.us
+ 19374/2	Matrix Codes	
1		

	4 103411X											7
Project Information	113713		Matrix Codes			Anal	Analysis Requested	lested				_
Project Name, PWSID, Permit, etc. Schwartzwalder Mine	Mine		A- Air		1	4				Ī	All turnaround times are	_
Sampler Name / Sycard Accuse Sampler Phone 7	1238/	6669	W- Water	spilo		02.					standard unless marked as RUSH.	
Sample Origin State Colorado EPA/State Compliance	Compliance   Yes	°N □	S - Solids V - Vacetation	S pe	uə	5					Energy Laboratories	_
URANIUM MINING CLIENTS MUST Indicate sample type  □ Unprocessed Ore (Ground or Refined) **CALL BEFORE SENDING  □ 11(e)2 Byproduct Material (Can ONLY be Submitted to ELI Casper Location)	senDING ELI Casper Location	0	B - Bioassay O - Oil DW - Drinking	gnabeug	ical Oxyg	5016				ttached	NUST be contacted prior to RUSH sample submittal for charges and scheduling – See Instructions Page	
Sample Identification	Collection	-	Matrix	П	me	210				A 9		7
(Name, Location, Interval, etc.)	Date	me	Containers (See Codes		Del	0 1				Series	ELI LAB ID	
1 Outfall 001A	7/25	(430	3	×						•	20	
2 Outfall 001A	7/28	14/8	3	×							20001000	_
3 Outfall 001A	7/30	1430	8	×								
2 Outtail GOLA	7/30	1430	-			×				-		_
2												_
9												_
2				-								_
80												_
6										+		
ELI Is REQUIRED to provide preservative traceability.	tive traceability.	If the prese	ervatives supplie	d with the	bottle orde	sr were NOT	used plea	an affacts would	- Contractive	Informati	If the preservatives supplied with the bottle order were NOT used please attach value and the preservatives supplied with the bottle order were NOT used please attach value and the preservative information in the preservative and the preser	_
							1	The state of the state of	241124			

on must bounded	Paletime Signature BM Received by (print) Date Time Signature	Detertime ( Signature) Received by aboratory (Bring) to Date Line Signature : 15	LABORATORY USE ONLY	Seals Intact Receipt Temp Temp Blank On ice Payment Type Amount Receipt Number (cash choly)
	7/30 1800 Signature BLA	Date/Time ( Signature		Receipt Temp Bis
Contract College Spine Section	Record Record	MUST Relingdished by (print)		shipped By Cooler ID(s) Custody Se

In certain circumstances, samples submitted to Energy Laboratories, Inc. may be subcontracted to other certified laboratories in order to complete the analysis requested.

This serves as notice of this possibility. All subcontracted data will be clearly notated on your analytical report.

**BOTTLE ORDER 193741** 





## Billings, MT 406.252.6325 • Casper, WY 307.235.0515 • Gillette, WY 307.686.7175 • Helena, MT 406.442.0711



SHIPPED

Linkan Engineering

To report an issue with this order, view Safety Data Sheets, or let us know how we are doing, scan here or go to energylab.com/contact-us Order Created by: Yvonna E. Smith Shipped From: Billings, MT Ship Date: 4/17/2025

VIA: Ground

Quote Used: 17287

W.		jo		Samp
			Notes	Motes
			Preservative	0.115
Critical	707		Time	
			Tests	
			Method	
Bottles	Per	. (	Samp	
		£	Bottle Size/ I ype	

Schwartzwalder Mine-Outfall 001A Monthly + Weekly

Project: Phone:

400 Corporate Circle, Suite H

Contact: Chris Prosper

Golden CO 80401 (719) 247-0564

			_	
Outfall 001A Weekly COD (4 Sets)	kly COD (4 Se	its)		
500 mL Plastic	1 E410.4	Chemical Oxygen Demand	H2SO4	7
	0000			-
	HACH 8000 Prep	Preparation for COD testing HACH 8000		

les Weekly TSS	(12 Sets)	Total Suspended Fill to the neck of the container.	
	Weekly TS	0,	
	<b>Outfall 001A Three Times Weekly TSS</b>	1 Liter Plastic Wide Mouth	

Outfall 001A Bi-Weekly ( 2 Sets)	eekly ( 2 Sets	(9				
250 mL Plastic	1 A3500-Cr	A3500-Cr B Chromium, Hexavalent	24.00 hrs			-
	E300.0	Anions by Ion Chromatography				
250 mL Plastic	1 E200.7_8	E200.7_8 Metals by ICP/ICPMS, Dissolved		HNO3	Filter before preservation	-
250 mL Plastic	1 E200.7_8	E200.7_8 Metals by ICP/ICPMS, Total Recoverable		HN03		-
	Calculation	Calculation Chromium, Total Recoverable Trivalent				
	E245.1	Mercury, Total				
	E200.2	Metals Digestion by E200.2				
	E245.1	Mercury Digestion by E245.1				

BO#: 193741

1 of 2

250 m Plastic	1 5200 7 0	Mother Land Condon Collection			
200 1111 1 1 1 2 2 1 1 1 1 1 1 1 1 1 1 1	E200.7_0	Metals by ICP/ICP/MS, Potentially Dissolved	HNO3		τ-
	MCAWW	Preparation, Potentially Dissolved Filtration			
500 mL Amber Plastic	1 Kelada-01	Kelada-01 Cyanide, Weak Acid Dissociable	NaOH		-
250 mL Plastic	1 A4500-S D	1 A4500-S D Sulfide, Methylene Blue Colorimetric	ZnAc	Zero headspace	_
		-	NaOH		
1 Gallon Plastic	1 E903.0	Radium 226, Dissolved	HN03	Filter before preservation	-
1 Gallon Plastic	1 A7500-RA	1 A7500-RA Radium 226 + Radium 228	HNO3	This now only requires one (1) 15mL	-
	E903.0	Radium 226, Total		nitric acid vial for preservation.	
	RA-05	Radium 228, Total			

Comments

HNO3 - Nitric Acid H2SO4 - Sulfuric Acid NaOH - Sodium Hydroxide	We strongly suggest that the samples are
ZnAc - Zinc Acetate HCI - Hydrochloric Acid H3PO4 - Phosphoric Acid	shipped the same day as they are collected.
Material Safety Data Sheets(MSDS) Available @ EnergyLab.com ->Services -> MSDS Sheets	
Corrosive Chemicals: Nitric, Sulfuric, Phosphoric, Hydrochloric Acids and Sodium Hydroxide. Zinc Acetate is a skin irritant.	
Subcontracting of sample analyses to an outside laboratory may be required. If so, Energy Laboratories will utilize its branch laboratories or qualified contract laboratories for this service. Any such laboratories will be indicated within the Laboratory Analytical Report.	ntories or qualified contract laboratories for this service. Any such



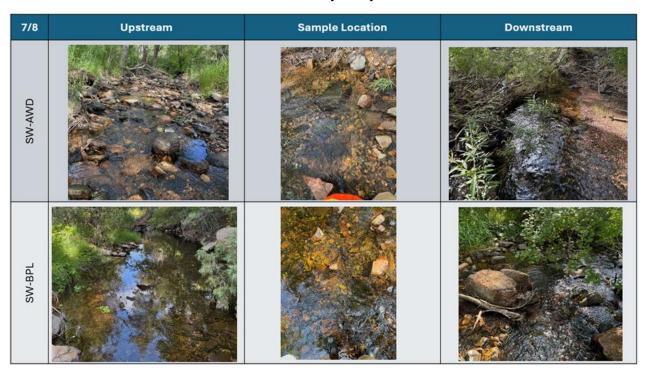
Permits and Enforcement Section Water Quality Control Division CPDHE 4300 Cherry Creek Dr. South Denver, CO 80246-1530 08/22/2025 25US0221

Re: Monthly Surface Water Report for July 2025 Schwartzwalder Mine CO0001244

### TO WHOM IT MAY CONCERN:

On February 10<sup>th</sup>, 2025 the operations contract for the Schwartzwalder Mine was awarded and the contract started on April 1<sup>st</sup>, 2025.

During the month of July 2025, both the SW-AWD and SW-BPL locations were sampled. The sampling date was July 8<sup>th</sup>. See the pictures from that sampling event below. The field parameters taken are showcased below as well. Attached are the laboratory analytical results.



### **Field Parameters**

Sample Location	SW-AWD	SW-BPL
Temperature (°C)	16.1	17.3
pH (s.u.)	7.95	7.72
Conductivity (uS/cm)	315.8	287.5
ORP (mV)	82	78



Best regards, Linkan

Patrick M. Delaney Operator Responsible in Charge (ORC) Black Fox Mining, LLC

**Enclosures:** 

July 2025 Surface Water Sampling Results

**CC List:** 

Electronic Copy sent to the following:

Peter Hays, CDNR, peter.hays@state.co.us
Quinn Westmoreland, Linkan, quinn.westmoreland@linkan.com
Adam Billin, Linkan, adam.billin@linkan.com
Chris Prosper, Linkan, chris.prosper@linkan.com
Sam Billin, Linkan, sam.billin@linkan.com
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Alex Schwiebert, Linkan, alex.schwiebert@linkan.com



### **ANALYTICAL SUMMARY REPORT**

July 31, 2025

Linkan Engineering 2720 Ruby Vista Dr Ste 101 Elko, NV 89801-4943

Work Order: B25070847 Quote ID: B17287

Project Name: Schwartzwalder Mine

Energy Laboratories Inc Billings MT received the following 2 samples for Linkan Engineering on 7/10/2025 for analysis.

Lab ID	Client Sample ID	Collect Date R	eceive Date	Matrix	Test
B25070847-001	SW-AWD	07/08/25 09:00	07/10/25	Aqueous	Metals by ICP/ICPMS, Dissolved Metals by ICP/ICPMS, Total Cyanide, Weak Acid Dissociable Anions by Ion Chromatography Nitrogen, Nitrate + Nitrite Metals Digestion by E200.2 E365.1 Digestion, Total P Low Level Phosphorus, Orthophosphate as P Low level Phosphorus, Total Gross Alpha, Gross Beta, Total Radium 226 + Radium 228 Radium 226, Total Radium 228, Total Solids, Total Dissolved Solids, Total Suspended
B25070847-002	SW-BPL	07/08/25 09:15	07/10/25	Aqueous	Same As Above

The analyses presented in this report were performed by Energy Laboratories, Inc., 1120 So. 27th Street, Billings, MT 59101, unless otherwise noted. Any exceptions or problems with the analyses are noted in the report package. Any issues encountered during sample receipt are documented in the Work Order Receipt Checklist.

The results as reported relate only to the item(s) submitted for testing. This report shall be used or copied only in its entirety. Energy Laboratories, Inc. is not responsible for the consequences arising from the use of a partial report.

Energy Laboratories, Inc. verifies the reported results for the analysis has been technically reviewed and approved for release.

If you have any questions regarding these test results, please contact your Project Manager.

Billings, MT **406.252.6325** • Casper, WY **307.235.0515** Gillette, WY **307.686.7175** • Helena, MT **406.442.0711** 

**Report Date:** 07/31/25

CLIENT: Linkan Engineering
Project: Schwartzwalder Mine

Work Order: B25070847 CASE NARRATIVE

Tests associated with analyst identified as ELI-CA were subcontracted to Energy Laboratories, PO Box 247, Casper, WY, EPA Number WY00002.

### LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

 Client:
 Linkan Engineering
 Report Date:
 07/31/25

 Project:
 Schwartzwalder Mine
 Collection Date:
 07/08/25 09:00

 Lab ID:
 B25070847-001
 DateReceived:
 07/10/25

 Client Sample ID:
 SW-AWD
 Matrix:
 Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL Me	ethod	Analysis Date / By
PHYSICAL PROPERTIES							
Solids, Total Suspended TSS @ 105 C	3	mg/L		2	A2	2540 D	07/11/25 09:52 / pjw
Solids, Total Dissolved TDS @ 180 C	205	mg/L		20	A2	2540 C	07/10/25 16:45 / etv
INORGANICS							
Sulfate	12	mg/L		1	E3	00.0	07/11/25 00:39 / caa
Fluoride	0.31	mg/L		0.01	E3	00.0	07/11/25 00:39 / caa
Cyanide, Weak Acid Dissociable	ND	mg/L		0.001	Ke	elada-01	07/11/25 12:51 / fap
NUTRIENTS							
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.01	E3	53.2	07/10/25 17:04 / rs4
Phosphorus, Orthophosphate as P	0.011	mg/L	Н	0.002	E3	65.1	07/10/25 14:59 / taz
Phosphorus, Total as P	ND	mg/L		0.002	E3	65.1	07/21/25 11:13 / taz
Phosphorus, Total as P	ND	mg/L		0.002	E3	65.1	07/22/25 13:09 / taz
- The Orthophosphate result is greater than t	the Total Phosphore	us result.	Both results have	been confirm	ed by re-analy	ysis.	
METALS, DISSOLVED							
Copper	0.0005	mg/L		0.0005	E2	8.00	07/11/25 14:07 / jks
Molybdenum	0.0005	mg/L		0.0001	E2	8.00	07/11/25 14:07 / jks
Silver	ND	mg/L	L	0.00004	E2	8.00	07/11/25 14:07 / jks
				0.00000	Ε0	8.00	07/11/25 14:07 / jks
Uranium	0.00128	mg/L		0.00002	E2	.00.0	01/11/20 14.01/jkg
	0.00128 0.001	-	JL	0.00002		200.8	07/11/25 14:07 / jks
Uranium Zinc - The Dissolved Uranium result is greater tha	0.001	mg/L		0.002	E2	8.00	•
Zinc - The Dissolved Uranium result is greater that	0.001	mg/L		0.002	E2	8.00	•
Zinc - The Dissolved Uranium result is greater that METALS, TOTAL RECOVERABLE	0.001	mg/L m result.		0.002	E2 ed by re-analy	8.00	•
Zinc - The Dissolved Uranium result is greater tha  METALS, TOTAL RECOVERABLE  Antimony	0.001 an the Total Uraniur 0.0007	mg/L m result.		0.002 been confirm	E2 ed by re-analy E2	200.8 rsis.	07/11/25 14:07 / jks
Zinc - The Dissolved Uranium result is greater tha  METALS, TOTAL RECOVERABLE  Antimony  Chromium	0.001 an the Total Uraniur 0.0007 ND	mg/L m result. mg/L		0.002 peen confirm 0.0001	E2 ed by re-analy E2 E2	200.8 Prisis.	07/11/25 14:07 / jks 07/16/25 13:56 / jks
Zinc - The Dissolved Uranium result is greater tha  METALS, TOTAL RECOVERABLE  Antimony  Chromium  Thallium	0.001 an the Total Uraniur 0.0007 ND	mg/L m result. mg/L mg/L	Both results have t	0.002 peen confirm 0.0001 0.0005	E2 ed by re-analy E2 E2	200.8 rsis. 200.8 200.8	07/11/25 14:07 / jks 07/16/25 13:56 / jks 07/15/25 14:11 / jks
Zinc - The Dissolved Uranium result is greater that METALS, TOTAL RECOVERABLE Antimony Chromium Thallium METALS, TOTAL	0.001 an the Total Uraniur 0.0007 ND	mg/L m result. mg/L mg/L mg/L	Both results have t	0.002 peen confirm 0.0001 0.0005	E2 ed by re-analy E2 E2	200.8 rsis. 200.8 200.8	07/11/25 14:07 / jks 07/16/25 13:56 / jks 07/15/25 14:11 / jks
Zinc - The Dissolved Uranium result is greater that  METALS, TOTAL RECOVERABLE  Antimony Chromium Thallium  METALS, TOTAL  Arsenic	0.001 an the Total Uraniur 0.0007 ND ND 0.0002	mg/L m result. mg/L mg/L mg/L	Both results have t	0.002 peen confirm 0.0001 0.0005 0.0002	E2 ed by re-analy E2 E2 E2	200.8 rsis. 200.8 200.8 200.8	07/11/25 14:07 / jks 07/16/25 13:56 / jks 07/15/25 14:11 / jks 07/16/25 13:29 / jks
Zinc - The Dissolved Uranium result is greater that  METALS, TOTAL RECOVERABLE  Antimony Chromium Thallium  METALS, TOTAL  Arsenic Boron	0.001 an the Total Uraniur 0.0007 ND ND 0.0002	mg/L m result.  mg/L mg/L mg/L mg/L mg/L mg/L	Both results have t	0.002 peen confirm 0.0001 0.0005 0.0002	E2 ed by re-analy E2 E2 E2 E2	200.8 rsis. 200.8 200.8 200.8	07/11/25 14:07 / jks 07/16/25 13:56 / jks 07/15/25 14:11 / jks 07/16/25 13:29 / jks 07/16/25 13:29 / jks
Zinc - The Dissolved Uranium result is greater that  METALS, TOTAL RECOVERABLE  Antimony Chromium Thallium  METALS, TOTAL  Arsenic Boron Molybdenum	0.001 an the Total Uraniur 0.0007 ND ND 0.0002 0.002	mg/L m result. mg/L mg/L mg/L mg/L mg/L mg/L	Both results have t	0.002 Deen confirm 0.0001 0.0005 0.0002 0.0001 0.01	E2 ed by re-analy E2 E2 E2 E2 E2	200.8 200.8 200.8 200.8 200.8 200.8	07/11/25 14:07 / jks 07/16/25 13:56 / jks 07/15/25 14:11 / jks 07/16/25 13:29 / jks 07/16/25 13:29 / jks 07/15/25 14:40 / enb
Zinc - The Dissolved Uranium result is greater that  METALS, TOTAL RECOVERABLE  Antimony Chromium Thallium  METALS, TOTAL  Arsenic Boron Molybdenum Uranium	0.001 an the Total Uraniur 0.0007 ND ND 0.0002 0.002 0.002	mg/L m result. mg/L mg/L mg/L mg/L mg/L mg/L	Both results have t	0.002 Deen confirm  0.0001 0.0005 0.0002  0.0001 0.01 0.0005	E2 ed by re-analy E2 E2 E2 E2 E2	200.8 200.8 200.8 200.8 200.8 200.8 200.8	07/11/25 14:07 / jks 07/16/25 13:56 / jks 07/15/25 14:11 / jks 07/16/25 13:29 / jks 07/16/25 13:29 / jks 07/15/25 14:40 / enb 07/15/25 14:11 / jks
Zinc - The Dissolved Uranium result is greater that  METALS, TOTAL RECOVERABLE Antimony Chromium Thallium  METALS, TOTAL Arsenic Boron Molybdenum Uranium  RADIONUCLIDES - TOTAL	0.001 an the Total Uraniur  0.0007 ND ND  0.0002 0.002 0.002 0.0006 0.000115	mg/L m result. mg/L mg/L mg/L mg/L mg/L mg/L	Both results have t	0.002 Deen confirm  0.0001 0.0005 0.0002  0.0001 0.01 0.0005	E2 E2 E2 E2 E2 E2 E2 E2	200.8 200.8 200.8 200.8 200.8 200.8 200.8	07/11/25 14:07 / jks 07/16/25 13:56 / jks 07/15/25 14:11 / jks 07/16/25 13:29 / jks 07/16/25 13:29 / jks 07/15/25 14:40 / enb 07/15/25 14:11 / jks
Zinc - The Dissolved Uranium result is greater that  METALS, TOTAL RECOVERABLE  Antimony Chromium Thallium  METALS, TOTAL  Arsenic Boron Molybdenum Uranium  RADIONUCLIDES - TOTAL  Gross Alpha	0.001 an the Total Uraniur  0.0007 ND ND  0.0002 0.002 0.0006 0.00115	mg/L m result.  mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/	Both results have b	0.002 Deen confirm  0.0001 0.0005 0.0002  0.0001 0.01 0.0005	E2 E2 E2 E2 E2 E2 E2 E2	200.8 200.8 200.8 200.8 200.8 200.8 200.8 200.8	07/11/25 14:07 / jks 07/16/25 13:56 / jks 07/15/25 14:11 / jks 07/16/25 13:29 / jks 07/16/25 13:29 / jks 07/15/25 14:40 / enb 07/15/25 14:11 / jks 07/16/25 13:56 / jks
Zinc - The Dissolved Uranium result is greater that  METALS, TOTAL RECOVERABLE  Antimony Chromium Thallium  METALS, TOTAL  Arsenic Boron Molybdenum Uranium  RADIONUCLIDES - TOTAL  Gross Alpha	0.001 an the Total Uraniur  0.0007 ND ND  0.0002 0.002 0.0006 0.00115	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	Both results have b	0.002 Deen confirm  0.0001 0.0005 0.0002  0.0001 0.01 0.0005	E2 E2 E2 E2 E2 E2 E2 E2 E2	200.8 200.8 200.8 200.8 200.8 200.8 200.7 200.8 200.8	07/11/25 14:07 / jks 07/16/25 13:56 / jks 07/15/25 14:11 / jks 07/16/25 13:29 / jks 07/16/25 13:29 / jks 07/15/25 14:40 / enb 07/15/25 14:11 / jks 07/16/25 13:56 / jks
Zinc - The Dissolved Uranium result is greater that  METALS, TOTAL RECOVERABLE  Antimony Chromium Thallium  METALS, TOTAL  Arsenic Boron Molybdenum Uranium  RADIONUCLIDES - TOTAL  Gross Alpha Gross Alpha precision (±) Gross Alpha MDC	0.001 an the Total Uraniur  0.0007 ND ND  0.0002 0.002 0.0006 0.00115  0.5 1.2 2.0	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	Both results have b	0.002 Deen confirm  0.0001 0.0005 0.0002  0.0001 0.01 0.0005	E2 ed by re-analy E2 E2 E2 E2 E2 E2 E9 E9	200.8 200.8 200.8 200.8 200.8 200.8 200.7 200.8 200.8 200.8	07/11/25 14:07 / jks  07/16/25 13:56 / jks  07/15/25 14:11 / jks  07/16/25 13:29 / jks  07/16/25 13:29 / jks  07/15/25 14:40 / enb  07/15/25 14:11 / jks  07/16/25 13:56 / jks  07/25/25 18:29 / eli-ca  07/25/25 18:29 / eli-ca
Zinc - The Dissolved Uranium result is greater that  METALS, TOTAL RECOVERABLE  Antimony Chromium Thallium  METALS, TOTAL  Arsenic Boron Molybdenum Uranium  RADIONUCLIDES - TOTAL  Gross Alpha Gross Alpha precision (±) Gross Alpha MDC Gross Beta	0.001 an the Total Uraniur  0.0007 ND ND  0.0002 0.002 0.0006 0.00115  0.5 1.2 2.0 2.9	mg/L m result.  mg/L mg/L mg/L mg/L mg/L mg/L mg/L pCi/L pCi/L pCi/L	Both results have b	0.002 Deen confirm  0.0001 0.0005 0.0002  0.0001 0.01 0.0005	E2 ed by re-analy  E2 E2 E2 E2 E2 E2 E2 E2 E9 E9 E9	200.8 200.8 200.8 200.8 200.8 200.8 200.8 200.8 200.8 200.8 200.8 200.8 200.8 200.8 200.8 200.8	07/11/25 14:07 / jks  07/16/25 13:56 / jks  07/15/25 14:11 / jks  07/16/25 13:29 / jks  07/16/25 13:29 / jks  07/15/25 14:40 / enb  07/15/25 14:11 / jks  07/16/25 13:56 / jks  07/25/25 18:29 / eli-ca  07/25/25 18:29 / eli-ca  07/25/25 18:29 / eli-ca
Zinc - The Dissolved Uranium result is greater that  METALS, TOTAL RECOVERABLE  Antimony Chromium Thallium  METALS, TOTAL  Arsenic Boron Molybdenum Uranium  RADIONUCLIDES - TOTAL  Gross Alpha Gross Alpha precision (±) Gross Beta Gross Beta Gross Beta precision (±)	0.001 an the Total Uraniur  0.0007 ND ND  0.0002 0.002 0.0006 0.00115  0.5 1.2 2.0 2.9 1.4	mg/L m result.  mg/L mg/L mg/L mg/L mg/L mg/L mg/L pCi/L pCi/L pCi/L	Both results have b	0.002 Deen confirm  0.0001 0.0005 0.0002  0.0001 0.01 0.0005	E2 ed by re-analy  E2 E9 E9 E9 E9 E9	200.8 200.8 200.8 200.8 200.8 200.8 200.7 200.8 200.8 200.8 200.0 200.0 200.0	07/11/25 14:07 / jks  07/16/25 13:56 / jks  07/15/25 14:11 / jks  07/16/25 13:29 / jks  07/16/25 13:29 / jks  07/15/25 14:40 / enb  07/15/25 14:11 / jks  07/16/25 13:56 / jks  07/25/25 18:29 / eli-ca  07/25/25 18:29 / eli-ca  07/25/25 18:29 / eli-ca  07/25/25 18:29 / eli-ca
Zinc - The Dissolved Uranium result is greater that  METALS, TOTAL RECOVERABLE  Antimony Chromium Thallium  METALS, TOTAL  Arsenic Boron Molybdenum Uranium  RADIONUCLIDES - TOTAL  Gross Alpha Gross Alpha precision (±) Gross Beta Gross Beta Gross Beta MDC  Gross Beta MDC	0.001 an the Total Uraniur  0.0007 ND ND  0.0002 0.002 0.0006 0.00115  0.5 1.2 2.0 2.9 1.4 2.3	mg/L m result.  mg/L mg/L mg/L mg/L mg/L mg/L pCi/L pCi/L pCi/L pCi/L	Both results have b	0.002 Deen confirm  0.0001 0.0005 0.0002  0.0001 0.01 0.0005	E2 ed by re-analy  E2 E2 E2 E2 E2 E2 E2 E2 E2 E9 E9 E9 E9 E9 E9 E9	200.8 200.8	07/11/25 14:07 / jks  07/16/25 13:56 / jks  07/15/25 14:11 / jks  07/16/25 13:29 / jks  07/16/25 13:29 / jks  07/15/25 14:40 / enb  07/15/25 14:11 / jks  07/16/25 13:56 / jks  07/25/25 18:29 / eli-ca
Zinc - The Dissolved Uranium result is greater that  METALS, TOTAL RECOVERABLE  Antimony Chromium Thallium  METALS, TOTAL  Arsenic Boron Molybdenum Uranium  RADIONUCLIDES - TOTAL  Gross Alpha Gross Alpha precision (±) Gross Beta Gross Beta precision (±) Gross Beta MDC  Radium 226	0.001 an the Total Uraniur  0.0007 ND ND  0.0002 0.002 0.0006 0.00115  1.2 2.0 2.9 1.4 2.3 0.06	mg/L m result.  mg/L mg/L mg/L mg/L mg/L mg/L mg/L pCi/L pCi/L pCi/L pCi/L pCi/L pCi/L	Both results have b	0.002 Deen confirm  0.0001 0.0005 0.0002  0.0001 0.01 0.0005	E2 ed by re-analy  E2 E2 E2 E2 E2 E2 E2 E2 E2 E9 E9 E9 E9 E9 E9 E9	200.8 200.8 200.8 200.8 200.8 200.8 200.8 200.8 200.8 200.8 200.8 200.0 200.0 200.0 200.0 200.0	07/11/25 14:07 / jks  07/16/25 13:56 / jks  07/15/25 14:11 / jks  07/16/25 13:29 / jks  07/16/25 13:29 / jks  07/15/25 14:40 / enb  07/15/25 14:11 / jks  07/16/25 13:56 / jks  07/25/25 18:29 / eli-ca
Zinc - The Dissolved Uranium result is greater that  METALS, TOTAL RECOVERABLE  Antimony Chromium Thallium  METALS, TOTAL  Arsenic Boron Molybdenum Uranium  RADIONUCLIDES - TOTAL  Gross Alpha Gross Alpha precision (±)	0.001 an the Total Uraniur  0.0007 ND ND  0.0002 0.002 0.0006 0.00115  1.2 2.0 2.9 1.4 2.3 0.06 0.1	mg/L m result.  mg/L mg/L mg/L mg/L mg/L mg/L pCi/L pCi/L pCi/L pCi/L pCi/L	Both results have b	0.002 Deen confirm  0.0001 0.0005 0.0002  0.0001 0.01 0.0005	E2 ed by re-analy  E2 E2 E2 E2 E2 E2 E2 E2 E2 E9 E9 E9 E9 E9 E9 E9 E9	200.8 200.8 200.8 200.8 200.8 200.8 200.8 200.8 200.8 200.8 200.8 200.0 200.0 200.0 200.0 200.0 200.0 200.0 200.0	07/11/25 14:07 / jks  07/16/25 13:56 / jks  07/15/25 14:11 / jks  07/16/25 13:29 / jks  07/16/25 13:29 / jks  07/15/25 14:40 / enb  07/15/25 14:11 / jks  07/16/25 13:56 / jks  07/25/25 18:29 / eli-ca  07/25/25 18:29 / eli-ca

Report Definitions:

RL - Analyte Reporting Limit

QCL - Quality Control Limit

H - Analysis performed past the method holding time

L -Lowest available reporting limit for the analytical method

used and/or volume submitted

MCL - Maximum Contaminant Level

ND - Not detected at the Reporting Limit (RL)

 $\mbox{\bf J}$  - Estimated value - analyte was present but less than the Reporting Limit (RL)

U - Not detected





### LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client:Linkan EngineeringReport Date:07/31/25Project:Schwartzwalder MineCollection Date:07/08/25 09:00Lab ID:B25070847-001DateReceived:07/10/25Client Sample ID:SW-AWDMatrix:Aqueous

Analyses	Result l	Jnits	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - TOTAL							
Radium 228 precision (±)	0.7 p	oCi/L				RA-05	07/22/25 15:39 / eli-ca
Radium 228 MDC	1.1 p	oCi/L				RA-05	07/22/25 15:39 / eli-ca
Radium 226 + Radium 228	0.7 p	oCi/L	U			A7500-RA	07/29/25 13:32 / eli-ca
Radium 226 + Radium 228 precision (±)	0.7 p	oCi/L				A7500-RA	07/29/25 13:32 / eli-ca
Radium 226 + Radium 228 MDC	1.2 p	oCi/L				A7500-RA	07/29/25 13:32 / eli-ca

Report RL - Analyte Reporting Limit

Definitions: QCL - Quality Control Limit

II. Not data at a d

U - Not detected

MCL - Maximum Contaminant Level

### LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

 Client:
 Linkan Engineering
 Report Date:
 07/31/25

 Project:
 Schwartzwalder Mine
 Collection Date:
 07/08/25 09:15

 Lab ID:
 B25070847-002
 DateReceived:
 07/10/25

 Client Sample ID:
 SW-BPL
 Matrix:
 Aqueous

					MCL/		
Analyses	Result	Units	Qualifiers	RL	QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
Solids, Total Suspended TSS @ 105 C	0.6	mg/L	J	2		A2540 D	07/11/25 09:52 / pjw
Solids, Total Dissolved TDS @ 180 C		mg/L		20		A2540 C	07/10/25 16:45 / etv
INORGANICS							
Sulfate	19	mg/L		1		E300.0	07/11/25 00:55 / caa
Fluoride		mg/L		0.01		E300.0	07/11/25 00:55 / caa
Cyanide, Weak Acid Dissociable		mg/L		0.001		Kelada-01	07/11/25 13:03 / fap
NUTRIENTS							
Nitrogen, Nitrate+Nitrite as N	0.02	mg/L		0.01		E353.2	07/10/25 17:05 / rs4
Phosphorus, Orthophosphate as P		mg/L	Н	0.002		E365.1	07/10/25 15:00 / taz
Phosphorus, Total as P		mg/L		0.002		E365.1	07/15/25 15:26 / taz
		Ü					
METALS, DISSOLVED Copper	0.0003	ma/l	JL	0.0005		E200.8	07/11/25 17:01 / jks
Molybdenum	0.0032	Ū	0L	0.0003		E200.8	07/11/25 14:25 / jks
Silver		mg/L	L	0.00004		E200.8	07/11/25 17:01 / jks
Uranium	0.0512	-	_	0.00002		E200.8	07/11/25 17:01 / jks
Zinc		mg/L	JL	0.002		E200.8	07/11/25 17:01 / jks
METALS, TOTAL RECOVERABLE							
Antimony	0.0003	ma/l		0.0001		E200.8	07/16/25 14:01 / jks
Chromium	0.0003	Ū		0.0001		E200.8	07/15/25 14:41 / jks
Thallium		mg/L	L	0.0002		E200.8	07/16/25 13:34 / jks
METALS TOTAL		Ü					•
METALS, TOTAL Arsenic	0.0035	ma/l		0.0001		E200.8	07/16/05 12:24 / ika
Boron		mg/L		0.0001		E200.6 E200.7	07/16/25 13:34 / jks 07/15/25 14:48 / enb
Molybdenum	0.0037	Ū		0.0005		E200.8	07/15/25 14:41 / jks
Uranium	0.0545	•		0.00002		E200.8	07/16/25 13:34 / jks
DADIONILICI IDES TOTAL		J.					,
RADIONUCLIDES - TOTAL Gross Alpha	28.2	pCi/L				E900.0	07/25/25 18:29 / eli-ca
Gross Alpha precision (±)		pCi/L				E900.0	07/25/25 18:29 / eli-ca
Gross Alpha MDC		pCi/L				E900.0	07/25/25 18:29 / eli-ca
Gross Beta		pCi/L				E900.0	07/25/25 18:29 / eli-ca
Gross Beta precision (±)		pCi/L				E900.0	07/25/25 18:29 / eli-ca
Gross Beta MDC	2.3	pCi/L				E900.0	07/25/25 18:29 / eli-ca
Radium 226	0.2	pCi/L	U			E903.0	07/28/25 11:21 / eli-ca
Radium 226 precision (±)		pCi/L				E903.0	07/28/25 11:21 / eli-ca
Radium 226 MDC		pCi/L				E903.0	07/28/25 11:21 / eli-ca
Radium 228		pCi/L	U			RA-05	07/22/25 15:39 / eli-ca
Radium 228 precision (±)		pCi/L				RA-05	07/22/25 15:39 / eli-ca
Radium 228 MDC		pCi/L				RA-05	07/22/25 15:39 / eli-ca
Radium 226 + Radium 228	0.6	pCi/L	U			A7500-RA	07/29/25 13:32 / eli-ca

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 $\mbox{\bf J}$  - Estimated value - analyte was present but less than the Reporting Limit (RL)

U - Not detected

Billings, MT 406.252.6325 • Casper, WY 307.235.0515 Gillette, WY 307.686.7175 • Helena, MT 406.442.0711



Prepared by Billings, MT Branch

Client:Linkan EngineeringReport Date:07/31/25Project:Schwartzwalder MineCollection Date:07/08/25 09:15Lab ID:B25070847-002DateReceived:07/10/25Client Sample ID:SW-BPLMatrix:Aqueous

Analyses	Result Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - TOTAL						
Radium 226 + Radium 228 precision (±)	0.6 pCi/L				A7500-RA	07/29/25 13:32 / eli-ca
Radium 226 + Radium 228 MDC	1 pCi/L				A7500-RA	07/29/25 13:32 / eli-ca

Report RL - Analyte Reporting Limit Definitions: QCL - Quality Control Limit

MCL - Maximum Contaminant Level

Billings, MT 406.252.6325 • Casper, WY 307.235.0515 Gillette, WY 307.686.7175 • Helena, MT 406.442.0711

### **QA/QC Summary Report**

Prepared by Billings, MT Branch

Analyte Co	unt Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2540 C							В	atch: TDS20	250710D
Lab ID: MBLK_20250710-8	Method Blank				Run: Bal #3	0_250710F		07/10/	25 16:44
Solids, Total Dissolved TDS @ 180 C	ND ND	mg/L	20						
Lab ID: LCS_20250710-5	Laboratory Cor	ntrol Sample			Run: Bal #3	0_250710F		07/10/	25 16:44
Solids, Total Dissolved TDS @ 180 C	938	mg/L	25	94	90	110			
Lab ID: B25070837-001ADUP	Sample Duplic	ate			Run: Bal #3	0_250710F		07/10/	25 16:45
Solids, Total Dissolved TDS @ 180 C	4610	mg/L	250				1.3	10	

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### **QA/QC Summary Report**

Prepared by Billings, MT Branch

Analyte Co	unt Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2540 D							E	Batch: TSS20	)250711A
Lab ID: MBLK_20250711-4	Method Blank				Run: BAL #	30_250711C		07/11/	25 09:52
Solids, Total Suspended TSS @ 105	C ND	mg/L	0.6						
Lab ID: LCS_20250711-2	Laboratory Cor	ntrol Sample			Run: BAL #	30_250711C		07/11/	25 09:52
Solids, Total Suspended TSS @ 105	C 109	mg/L	25	109	80	120			
Lab ID: B25070837-001BDUP	Sample Duplic	ate			Run: BAL #	30_250711C		07/11/	25 09:52
Solids, Total Suspended TSS @ 105	2 42.5	mg/L	12				1.2	10	

Prepared by Billings, MT Branch

Analyte		Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method:	E200.7							Ana	alytical Ru	n: ICP205-B	_250715A
Lab ID:	ICV	Cor	ntinuing Cal	ibration Ver	ification Standar	d				07/15	/25 11:58
Boron			2.54	mg/L	0.10	102	95	105			
Lab ID:	ccv	Cor	ntinuing Cal	ibration Ver	ification Standar	d				07/15	/25 14:27
Boron			2.49	mg/L	0.10	100	90	110			
Lab ID:	ccv	Cor	ntinuing Cal	ibration Ver	ification Standar	d				07/15	/25 14:41
Boron			2.50	mg/L	0.10	100	90	110			
Method:	E200.7									Batc	h: 201443
Lab ID:	MB-201443	Met	hod Blank				Run: ICP20	5-B_250715A		07/15	/25 14:37
Boron			ND	mg/L	0.008						
Lab ID:	LCS3-201443	Lab	oratory Cor	ntrol Sample	е		Run: ICP20	5-B_250715A		07/15	/25 14:39
Boron			1.02	mg/L	0.10	102	85	115			
Lab ID:	B25070847-001EMS3	Sar	nple Matrix	Spike			Run: ICP20	5-B_250715A		07/15	/25 14:46
Boron			1.04	mg/L	0.050	103	70	130			
Lab ID:	B25070847-001EMSD	3 Sar	nple Matrix	Spike Dupli	icate		Run: ICP20	5-B_250715A		07/15	/25 14:47
Boron			1.04	mg/L	0.050	102	70	130	0.3	20	

Prepared by Billings, MT Branch

Work Order: B25070847 Report Date: 07/21/25

Analyte		Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD RPDLimit	Qual
Method:	E200.8							Analytica	al Run: ICPMS208-B	_250711A
Lab ID:	QCS	5 Initia	l Calibratio	on Verificatio	on Standard				07/11	/25 11:15
Copper			0.0378	mg/L	0.010	94	90	110		
Molybden	ium		0.0394	mg/L	0.0050	98	90	110		
Silver			0.0195	mg/L	0.0050	97	90	110		
Uranium			0.0379	mg/L	0.00030	95	90	110		
Zinc			0.0381	mg/L	0.0050	95	90	110		
Lab ID:	CCV	5 Con	tinuing Cal	ibration Veri	fication Standa	rd			07/11	/25 12:50
Copper			0.0456	mg/L	0.010	91	90	110		
Molybden	ium		0.0482	mg/L	0.0050	96	90	110		
Silver			0.0188	mg/L	0.0050	94	90	110		
Uranium			0.0491	mg/L	0.00030	98	90	110		
Zinc			0.0468	mg/L	0.0050	93	90	110		
Lab ID:	ccv	5 Con	tinuing Cal	ibration Veri	fication Standa	rd			07/11	/25 14:13
Copper			0.0450	mg/L	0.010	90	90	110		
Molybden	ium		0.0484	mg/L	0.0050	97	90	110		
Silver			0.0193	mg/L	0.0050	97	90	110		
Uranium			0.0487	mg/L	0.00030	97	90	110		
Zinc			0.0465	mg/L	0.0050	93	90	110		
Lab ID:	QCS	5 Initia	al Calibratio	on Verificatio	on Standard				07/11	/25 16:01
Copper			0.0373	mg/L	0.010	93	90	110		
Molybden	ium		0.0380	mg/L	0.0050	95	90	110		
Silver			0.0189	mg/L	0.0050	94	90	110		
Uranium			0.0375	mg/L	0.00030	94	90	110		
Zinc			0.0380	mg/L	0.0050	95	90	110		
Lab ID:	CCV	5 Con	tinuing Cal	ibration Veri	fication Standa	rd			07/11	/25 16:07
Copper			0.0458	mg/L	0.010	92	90	110		
Molybden	ium		0.0490	mg/L	0.0050	98	90	110		
Silver			0.0193	mg/L	0.0050	96	90	110		
Uranium			0.0502	mg/L	0.00030	100	90	110		
Zinc			0.0460	mg/L	0.0050	92	90	110		
Method:	E200.8								Batch	: R445742
Lab ID:	LRB	5 Meth	nod Blank				Run: ICPM	S208-B_250711	A 07/11	/25 11:39
Copper			ND	mg/L	0.00007					
Molybden	ium		ND	mg/L	0.00005					
Silver			ND	mg/L	5E-6					
Uranium			ND	mg/L	0.00002					
Zinc			ND	mg/L	0.0008					
Lab ID:	LFB	5 Labo	oratory For	tified Blank			Run: ICPM	S208-B_250711	A 07/11	/25 11:57
Copper			0.0444	mg/L	0.010	89	85	115		
Molybden	ium		0.0517	mg/L	0.0050	103	85	115		
Silver			0.0196	mg/L	0.0050	98	85	115		
Uranium			0.0518	mg/L	0.00030	104	85	115		

Qualifiers:

RL - Analyte Reporting Limit



Prepared by Billings, MT Branch

Work O	rder: B25070847							Report	Date	07/21/25	
Analyte		Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method:	E200.8									Batch:	R445742
Lab ID:	LFB	5 Lab	oratory Fo	tified Blar	nk		Run: ICPMS	S208-B_250711A		07/11/	/25 11:57
Zinc			0.0444	mg/L	0.0050	89	85	115			
Lab ID:	B25070711-001BMS	5 Sar	mple Matrix	Spike			Run: ICPMS	S208-B_250711A		07/11/	/25 13:14
Copper			0.0929	mg/L	0.0050	86	70	130			
Molybdeni	um		0.0988	mg/L	0.0010	98	70	130			
Silver			0.0356	mg/L	0.0010	89	70	130			
Uranium			0.101	mg/L	0.00030	98	70	130			
Zinc			0.121	mg/L	0.010	85	70	130			
Lab ID:	B25070711-001BMSD	5 Saı	mple Matrix	Spike Du	plicate		Run: ICPMS	S208-B_250711A		07/11/	/25 13:19
Copper			0.0939	mg/L	0.0050	87	70	130	1.1	20	
Molybden	um		0.101	mg/L	0.0010	101	70	130	2.7	20	
Silver			0.0370	mg/L	0.0010	92	70	130	3.9	20	
Uranium			0.106	mg/L	0.00030	103	70	130	5.0	20	
Zinc			0.119	mg/L	0.010	83	70	130	1.7	20	

RL - Analyte Reporting Limit

Prepared by Billings, MT Branch

Work Order: B25070847 Report Date: 07/21/25

Analyte		Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method:	E200.8							Analytical	Run: I	CPMS208-B	_250714A
Lab ID:	QCS	2 Initia	al Calibratio	on Verificatio	on Standard					07/15	/25 08:32
Chromium	ı		0.0376	mg/L	0.010	94	90	110			
Molybdeni	um		0.0404	mg/L	0.0050	101	90	110			
Lab ID:	CCV	2 Con	tinuing Cal	ibration Veri	fication Standar	d				07/15	/25 12:42
Chromium	1		0.0460	mg/L	0.010	92	90	110			
Molybdeni	um		0.0514	mg/L	0.0050	103	90	110			
Lab ID:	CCV	2 Con	tinuing Cal	ibration Veri	fication Standar	d				07/15	/25 14:29
Chromium	l		0.0496	mg/L	0.010	99	90	110			
Molybdenu	um		0.0532	mg/L	0.0050	106	90	110			
Method:	E200.8									Batc	h: 201443
Lab ID:	MB-201443	6 Met	hod Blank				Run: ICPM	S208-B_250714A		07/15	/25 13:00
Antimony			ND	mg/L	0.0004						
Arsenic			ND	mg/L	0.0002						
Chromium	1		ND	mg/L	0.0005						
Molybdenu	um		ND	mg/L	0.0001						
Thallium			ND	mg/L	0.0003						
Uranium			ND	mg/L	0.00003						
Lab ID:	LCS4-201443	6 Lab	oratory Cor	ntrol Sample			Run: ICPM	S208-B_250714A		07/15	/25 13:23
Antimony			0.110	mg/L	0.0050	110	85	115			
Arsenic			0.0950	mg/L	0.0010	95	85	115			
Chromium	l		0.0906	mg/L	0.0010	91	85	115			
Molybdenu	um		0.110	mg/L	0.0050	110	85	115			
Thallium			0.104	mg/L	0.0010	104	85	115			
Uranium			0.103	mg/L	0.00030	103	85	115			
Lab ID:	B25070847-002EMS4	6 San	nple Matrix	Spike			Run: ICPM	S208-B_250714A		07/15	/25 14:47
Antimony			0.109	mg/L	0.0010	109	70	130			
Arsenic			0.0957	mg/L	0.0010	92	70	130			
Chromium	l		0.0885	mg/L	0.0050	87	70	130			
Molybdeni	um		0.113	mg/L	0.0010	109	70	130			
Thallium			0.101	mg/L	0.00050	101	70	130			
Uranium			0.162	mg/L	0.00030	103	70	130			
Lab ID:	B25070847-002EMSD	<b>14</b> 6 San	nple Matrix	Spike Dupli	cate			S208-B_250714A		07/15	/25 14:53
Antimony			0.108	mg/L	0.0010	108	70	130	1.2	20	
Arsenic			0.0931	mg/L	0.0010	90	70	130	2.7	20	
Chromium	l		0.0859	mg/L	0.0050	84	70	130	3.0	20	
Molybdenu	um		0.111	mg/L	0.0010	107	70	130	1.6	20	
Thallium			0.101	mg/L	0.00050	101	70	130	0.4	20	
Uranium			0.162	mg/L	0.00030	102	70	130	0.1	20	

Qualifiers:

RL - Analyte Reporting Limit



Prepared by Billings, MT Branch

**Work Order:** B25070847 **Report Date:** 07/21/25

Analyte		Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method:	E200.8							Analytic	al Run: I	CPMS209-B_	_250716A
Lab ID:	QCS	4 Initi	al Calibratio	on Verifica	tion Standard					07/16/	25 11:07
Antimony			0.0391	mg/L	0.0050	98	90	110			
Arsenic			0.0377	mg/L	0.0050	94	90	110			
Thallium			0.0394	mg/L	0.0050	98	90	110			
Uranium			0.0386	mg/L	0.00030	96	90	110			
Lab ID:	ccv	4 Cor	ntinuing Cal	ibration Ve	erification Standar	d				07/16/	25 12:29
Antimony			0.0511	mg/L	0.0050	102	90	110			
Arsenic			0.0495	mg/L	0.0050	99	90	110			
Thallium			0.0487	mg/L	0.0050	97	90	110			
Uranium			0.0495	mg/L	0.00030	99	90	110			
Lab ID:	ccv	4 Cor	ntinuing Cal	ibration Ve	erification Standar	d				07/16/	25 13:39
Antimony			0.0500	mg/L	0.0050	100	90	110			
Arsenic			0.0492	mg/L	0.0050	98	90	110			
Thallium			0.0484	mg/L	0.0050	97	90	110			
Uranium			0.0496	mg/L	0.00030	99	90	110			
Method:	E200.8									Batcl	h: 201443
Lab ID:	MB-201443	4 Met	thod Blank				Run: ICPMS	S209-B_250716	SA	07/16/	25 13:12
Antimony			0.00009	mg/L	0.00002						
Arsenic			0.00007	mg/L	0.00003						
Thallium			ND	mg/L	0.00008						
Uranium			0.00004	mg/L	0.00001						

RL - Analyte Reporting Limit



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### **QA/QC Summary Report**

Prepared by Billings, MT Branch

Work C	Order: B25070847							Repo	rt Date	07/21/25	
Analyte		Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method:	E300.0							Analytical F	Run: IC N	METROHM 1	_250709A
Lab ID:	ICV	2	Initial Calibratio	on Verification	on Standard					07/09	/25 10:43
Sulfate			103	mg/L	1.0	103	90	110			
Fluoride			1.23	mg/L	0.10	98	90	110			
Lab ID:	ccv	2	Continuing Cal	ibration Ver	ification Standa	rd				07/10	/25 23:00
Sulfate			109	mg/L	1.0	109	90	110			
Fluoride			1.31	mg/L	0.10	105	90	110			
Method:	E300.0									Batch:	R445604
Lab ID:	ICB	2	Method Blank				Run: IC ME	TROHM 1_250	709A	07/09	/25 10:59
Sulfate			ND	mg/L	0.7						
Fluoride			ND	mg/L	0.009						
Lab ID:	LFB	2	Laboratory For	tified Blank			Run: IC ME	TROHM 1_250	709A	07/09	/25 11:15
Sulfate			102	mg/L	1.1	102	90	110			
Fluoride			1.24	mg/L	0.10	99	90	110			
Lab ID:	B25070807-001AMS	2	Sample Matrix	Spike			Run: IC ME	TROHM 1_250	709A	07/10	/25 23:33
Sulfate			2260	mg/L	11	108	90	110			
Fluoride			13.1	mg/L	0.13	103	90	110			
Lab ID:	B25070807-001AMSE	2	Sample Matrix	Spike Dupli	cate		Run: IC ME	TROHM 1_250	709A	07/10	/25 23:49
Sulfate			2250	mg/L	11	107	90	110	0.5	20	
Fluoride			13.1	mg/L	0.13	102	90	110	0.3	20	

Qualifiers:

RL - Analyte Reporting Limit

**Report Date: 07/21/25** 



Work Order: B25070847

Nitrogen, Nitrate+Nitrite as N

Nitrogen, Nitrate+Nitrite as N

Nitrogen, Nitrate+Nitrite as N

B25070794-001CMS

B25070794-001CMSD

Lab ID:

Lab ID:

### **QA/QC Summary Report**

Prepared by Billings, MT Branch

Analyte		Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method:	E353.2							Ana	alytical Ru	n: FIA203-B_	_250710C
Lab ID:	ICV	Init	ial Calibratio	on Verification	on Standard					07/10/	/25 11:43
Nitrogen,	, Nitrate+Nitrite as N		0.547	mg/L	0.010	97	90	110			
Lab ID:	CCV_20250710-4	Co	ntinuing Cal	ibration Ver	ification Standar	rd				07/10/	/25 16:57
Nitrogen,	, Nitrate+Nitrite as N		1.04	mg/L	0.010	104	90	110			
Method:	E353.2									Batch:	R445678
Lab ID:	FilterMBLK	Me	thod Blank				Run: FIA20	3-B_250710C		07/10/	/25 11:44
Nitrogen,	, Nitrate+Nitrite as N		ND	mg/L	0.009						
Lab ID:	MBLK_20250709-13	Me	thod Blank				Run: FIA20	3-B 250710C		07/10/	/25 11:46
Nitrogen,	, Nitrate+Nitrite as N		ND	mg/L	0.009			_			
Lab ID:	FilterLFB	Lat	ooratory For	tified Blank			Run: FIA20	3-B_250710C		07/10/	/25 11:47
Nitrogen,	, Nitrate+Nitrite as N		0.963	mg/L	0.010	96	90	110			
Lab ID:	LFB_20250709-1	Lat	ooratory For	tified Blank			Run: FIA20	3-B_250710C		07/10/	/25 11:48

0.010

0.010

0.010

98

98

100

90

90

90

Run: FIA203-B 250710C

Run: FIA203-B 250710C

110

110

110

8.0

0.982

Sample Matrix Spike

1.92

1.93

Sample Matrix Spike Duplicate

mg/L

mg/L

### Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)

07/10/25 13:36

07/10/25 13:37

10



Prepared by Billings, MT Branch

Analyte		Count Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method:	Kelada-01						Analyti	cal Run	: SFA-202-B_	_250711A
Lab ID:	ICV	Initial Calibrat	ion Verification Sta	andard					07/11/	25 12:25
Cyanide,	Weak Acid Dissociable	0.00899	mg/L	0.0010	90	90	110			
Method:	Kelada-01								Batch:	R445736
Lab ID:	ICB	Method Blank				Run: SFA-2	202-B_250711A		07/11/	25 12:27
Cyanide,	Weak Acid Dissociable	ND	mg/L	0.0007						
Lab ID:	LFB	Laboratory Fo	rtified Blank			Run: SFA-2	202-B_250711A		07/11/	25 12:29
Cyanide,	Weak Acid Dissociable	0.00916	mg/L	0.0010	92	90	110			
Lab ID:	LCS1-ZnCN	Laboratory Co	ontrol Sample			Run: SFA-2	202-B_250711A		07/11/	25 12:31
Cyanide,	Weak Acid Dissociable	0.00987	mg/L	0.0010	99	90	110			
Lab ID:	B25070847-001GMS	Sample Matrix	k Spike			Run: SFA-2	202-B_250711A		07/11/	25 12:55
Cyanide,	Weak Acid Dissociable	0.00969	mg/L	0.0010	97	80	120			
Lab ID:	B25070847-001GMSE	Sample Matrix	Spike Duplicate			Run: SFA-2	202-B_250711A		07/11/	25 12:59
Cyanide,	Weak Acid Dissociable	0.00950	mg/L	0.0010	95	80	120	2.0	10	



Prepared by Billings, MT Branch

Work Order: B25070847 Report Date: 07/22/25

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Analyte		Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E365	5.1							Analy	/tical Ru	n: FIA204-B	_250710A
Lab ID: ICV		Initi	al Calibration	on Verificat	ion Standard					07/10	/25 14:50
Phosphorus, Orth	ophosphate as F	)	0.249	mg/L	0.0050	100	90	110			
Method: E365	5.1									Batch:	R445681
Lab ID: ICB		Met	thod Blank				Run: FIA20	4-B_250710A		07/10	/25 14:52
Phosphorus, Orth	ophosphate as F	)	ND	mg/L	0.001						
Lab ID: LFB		Lab	oratory For	tified Blank	[		Run: FIA20	4-B_250710A		07/10	/25 14:53
Phosphorus, Orth	ophosphate as F	)	0.247	mg/L	0.0050	99	90	110			
Lab ID: B2507	70819-001EMS	Sar	mple Matrix	Spike			Run: FIA20	4-B_250710A		07/10	/25 14:57
Phosphorus, Orth	ophosphate as F	)	0.239	mg/L	0.0050	92	90	110			
Lab ID: B2507	70819-001EMSD	Sar	mple Matrix	Spike Dupl	licate		Run: FIA20	4-B_250710A		07/10	/25 14:58
Phosphorus, Orth	ophosphate as F	)	0.251	mg/L	0.0050	97	90	110	4.9	10	
Method: E365	5.1							Analytic	al Run:	SEAL201-B	_250715A
Lab ID: ICV-19	98785	Initi	al Calibration	on Verificat	ion Standard					07/15	/25 12:18
Phosphorus, Tota	al as P		0.505	mg/L	0.0050	101	90	110			
Lab ID: CCV-	198785	Cor	ntinuing Cal	ibration Ve	rification Standar	d				07/15	/25 15:21
Phosphorus, Tota	al as P		0.514	mg/L	0.0050	103	90	110			
Method: E365	5.1									Batc	h: 201412
Lab ID: MB-20	01412	Met	thod Blank				Run: SEAL	201-B_250715A		07/15	/25 15:24
Phosphorus, Tota	al as P		ND	mg/L	0.002						
Lab ID: LCS-2	201412	Lab	oratory Co	ntrol Sampl	е		Run: SEAL	201-B_250715A		07/15	/25 15:25
Phosphorus, Tota	al as P		0.187	mg/L	0.0050	93	90	110			
Lab ID: B2507	70997-001DMS	Sar	mple Matrix	Spike			Run: SEAL	201-B_250715A		07/15	/25 15:31
Phosphorus, Tota	al as P		0.233	mg/L	0.0020	98	90	110			
Lab ID: B2507	70997-001DMSD	Sar	mple Matrix	Spike Dupl	licate		Run: SEAL	201-B_250715A		07/15	/25 15:32
Phosphorus, Tota	al as P		0.228	mg/L	0.0020	96	90	110	2.0	10	

### Qualifiers:

RL - Analyte Reporting Limit

Billings, MT **406.252.6325** • Casper, WY **307.235.0515** Gillette, WY **307.686.7175** • Helena, MT **406.442.0711** 

### **QA/QC Summary Report**

Prepared by Casper, WY Branch

 Work Order:
 B25070847

 Report Date:
 07/31/25

Analyte		Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method:	E900.0									Batch: G	FAB-3450
Lab ID:	C25070412-001AMS1	3 Sar	mple Matrix	Spike			Run: TENN	ELEC-4_250721	Α	07/25/	/25 18:29
Gross Be	eta precision (±)		13	pCi/L							
Gross Be	eta MDC		2.3	pCi/L							
Lab ID:	C25070412-001AMSD	<b>1</b> 3 Sar	mple Matrix	Spike Duplicate			Run: TENN	ELEC-4_250721	Α	07/25	/25 18:29
Gross Be	eta		200	pCi/L		104	70	130	0.4	30	
Gross Be	eta precision (±)		13	pCi/L							
Gross Be	eta MDC		2.3	pCi/L							
- The RF	R result is 0.04										

Qualifiers:

RL - Analyte Reporting Limit



Prepared by Casper, WY Branch

Work Order: B25070847							Report	Date	: 07/31/25	
Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E903.0									Batch: RA2	226-11742
Lab ID: LCS-RA226-11742	3 Lal	ooratory Cor	ntrol Sample			Run: TENN	NELEC-4_250715I		07/28	/25 11:21
Radium 226		11	pCi/L		111	70	130			
Radium 226 precision (±)		1.8	pCi/L							
Radium 226 MDC		0.24	pCi/L							
Lab ID: MB-RA226-11742	3 Me	thod Blank				Run: TENN	NELEC-4_250715I		07/28	/25 11:21
Radium 226		-0.2	pCi/L							U
Radium 226 precision (±)		0.2	pCi/L							
Radium 226 MDC		0.3	pCi/L							
Lab ID: C25060960-002AMS	3 Sa	mple Matrix	Spike			Run: TENN	NELEC-4_250715I		07/28	/25 11:21
Radium 226		11	pCi/L		105	70	130			
Radium 226 precision (±)		1.7	pCi/L							
Radium 226 MDC		0.19	pCi/L							
Lab ID: C25060960-002AMSI	<b>)</b> 3 Sa	mple Matrix	Spike Duplicate			Run: TENN	NELEC-4_250715I		07/28	/25 11:21
Radium 226		9.8	pCi/L		98	70	130	6.8	30	
Radium 226 precision (±)		1.6	pCi/L							
Radium 226 MDC - The RER result is 0.30.		0.24	pCi/L							

0.92

pCi/L



Radium 228 MDC

- The RER result is 0.17.

### **QA/QC Summary Report**

Prepared by Casper, WY Branch

Work Order: B25070847							Repo	rt Date	07/31/25	
Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: RA-05									Batch: RA	228-7709
Lab ID: LCS-228-RA226-1174	1 <b>2</b> 3 Lab	oratory Cor	itrol Sample			Run: TENN	IELEC-4_250715	5G	07/22	/25 15:39
Radium 228		9.6	pCi/L		105	70	130			
Radium 228 precision (±)		2.6	pCi/L							
Radium 228 MDC		0.98	pCi/L							
Lab ID: MB-RA226-11742	3 Me	thod Blank				Run: TENN	IELEC-4_250715	5G	07/22	/25 15:39
Radium 228		0.2	pCi/L							U
Radium 228 precision (±)		0.6	pCi/L							
Radium 228 MDC		1	pCi/L							
Lab ID: C25060960-002AMS4	3 Sar	mple Matrix	Spike			Run: TENN	IELEC-4_250715	5G	07/22	/25 15:39
Radium 228		8.8	pCi/L		93	70	130			
Radium 228 precision (±)		2.3	pCi/L							
Radium 228 MDC		0.95	pCi/L							
Lab ID: C25060960-002AMSE	<b>)4</b> 3 Sar	mple Matrix	Spike Duplicate			Run: TENN	IELEC-4_250715	5G	07/22	/25 15:39
Radium 228		8.2	pCi/L		87	70	130	6.5	30	
Radium 228 precision (±)		2.2	pCi/L							

### **Work Order Receipt Checklist**

### Linkan Engineering

Login completed by: Crystal M. Jones

### B25070847

Date Received: 7/10/2025

Reviewed by:	cindy		Rec	eived by: ET
Reviewed Date:	7/11/2025		Carri	ier name: Return-FedEx NDA
Shipping container/cooler in	good condition?	Yes 🗸	No 🗌	Not Present
Custody seals intact on all sh	nipping container(s)/cooler(s)?	Yes √	No 🗌	Not Present
Custody seals intact on all sa	ample bottles?	Yes	No 🗌	Not Present 🗹
Chain of custody present?		Yes ✓	No 🗌	
Chain of custody signed whe	en relinquished and received?	Yes ✓	No 🗌	
Chain of custody agrees with	sample labels?	Yes ✓	No 🗌	
Samples in proper container/	/bottle?	Yes ✓	No 🗌	
Sample containers intact?		Yes ✓	No 🗌	
Sufficient sample volume for	indicated test?	Yes ✓	No 🗌	
All samples received within h (Exclude analyses that are or such as pH, DO, Res Cl, Su	onsidered field parameters	Yes √	No 🗌	
Temp Blank received in all sl	hipping container(s)/cooler(s)?	Yes ✓	No 🗌	Not Applicable
Container/Temp Blank tempe	erature:	3.9°C Blue Ice		
Containers requiring zero heabubble that is <6mm (1/4").	adspace have no headspace or	Yes	No 🗌	No VOA vials submitted
Water - pH acceptable upon	receipt?	Yes	No 🗸	Not Applicable

### **Standard Reporting Procedures:**

Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH, Dissolved Oxygen and Residual Chlorine, are qualified as being analyzed outside of recommended holding time.

Solid/soil samples are reported on a wet weight basis (as received) unless specifically indicated. If moisture corrected, data units are typically noted as –dry. For agricultural and mining soil parameters/characteristics, all samples are dried and ground prior to sample analysis.

The reference date for Radon analysis is the sample collection date. The reference date for all other Radiochemical analyses is the analysis date. Radiochemical precision results represent a 2-sigma Total Measurement Uncertainty.

For methods that require zero headspace or require preservation check at the time of analysis due to potential interference, the pH is verified at analysis. Nonconforming sample pH is documented as part of the analysis and included in the sample analysis comments.

Trip Blanks and/or Blind Duplicate samples are assigned the earliest collection time for the associated requested analysis in order to evaluate the holding time unless specifically indicated.

### **Contact and Corrective Action Comments:**

The temperature blank temperature in shipping container 1 was 3.9°C and shipping container 2 was 3.0°C.

### Work Order Receipt Checklist - Continued

### Linkan Engineering

B25070847

One of the two shipping containers was received with a custody seal.

The samples for gross alpha analysis were preserved to pH <2 with 2mL nitric acid in the laboratory upon receipt.

The sample container for dissolved metals for SW-BPL was not marked as filtered or non-filtered. This was filtered in the field per phone conversation with Chris Prosper on 07/18/25

The samples for orthophosphate analysis were received past the 48-hour hold time. Proceed with analysis per phone conversation with Chris Prosper on 07/10/25. CMJ 07/10/25

### Laboratory Certifications and Accreditations

Current certificates are available at <a href="www.energylab.com">www.energylab.com</a> website:

	Agency	Number
	Alaska	17-023
	California	3087
	Colorado	MT00005
	Department of Defense (DoD)/ISO17025	ADE-2588
Billings, MT	Florida (Primary NELAP)	E87668
	Idaho	MT00005
d	Louisiana	05079
ANAB	Montana	CERT0044
ANSI National Accreditation Board ACCREDITED	Nebraska	NE-OS-13-04
TESTING LABORATORY	Nevada	NV-C24-00250
ACCRE	North Dakota	R-007
ALL COMPANY OF THE PARK OF THE	National Radon Proficiency	109383-RMP
TNI	Oregon	4184
BORATON	South Dakota	ARSD 74:04:07
	Texas	TX-C24-00302
	US EPA Region VIII	Reciprocal
	USDA Soil Permit	P330-20-00170
	Washington	C1039
	Alaska	20-006
	California	3021
	Colorado	WY00002
	Florida (Primary NELAP)	E87641
	Idaho	WY00002
Casper, WY	Louisiana	05083
cusper, vv i	Montana	CERT0002
WAS ACCREDING	Nebraska	NE-OS-08-04
TNI	Nevada	NV-C24-00245
LABORATORY.	North Dakota	R-125
	Oregon	WY200001
	South Dakota	WY00002
	Texas	T104704181-23-21
	US EPA Region VIII	WY00002
	USNRC License	49-26846-01
	Washington	C1012
Gillette, WY	US EPA Region VIII	WY00006
	Colorado	MT00945
Helena, MT	Montana	CERT0079
	Nevada	NV-C24-00119
	US EPA Region VIII	Reciprocal
	USDA Soil Permit	P330-20-00090



# Chain of Custody & Analytical Request Record

www.energylab.com

Page 1 of 1

Account	Account Intormation (Billing information)	information)		Ke	por Int	ormatic	on (if differ	ent than Ac	Report Information (if different than Account Information)	mation)		Comments	nts		
Company/Name Linkan	me Linkan			Соп	Company/Name Linkan	Linkan						Monthly	Conse	nt Or	Monthly Consent Order Sampling
Contact	Chris Prosper			Contact	tact	Alex S	Alex Schwiebert	۲				Diageo	G licux	to	Disse small Dans transit Days
Phone	775-777-8003			Phone	er.	775-39	775-397-6779					chris.prosper@linkan.com	sper@	linkar	alid EDD lesuits to.
Mailing Address	ss 2720 Ruby Vista Dr	Dr		Mail	Mailing Address		2720 Ruby Vista	a Dr				adam.billin@linkan.com	llin@lin wieber	kan.c	adam.billin@linkan.com alex schwiehert@linkan.com
City, State, Zip	ip Elko, NV 89801			City	City, State, Zip	Elko, N	Elko, NV 89801					peter.hays@state.co.us	ys@sta	te.co	.us
Email	AP@linkan.com			Email	=	see co	see comments						0	•	11.3. 600
Receive Invoice	ice	Receive Report □Hard Copy ■Em	□Hard Copy ■	ail	Receive Report	□Hard C	opy ■Em	ail				של-שכ	70	1	12 Ca
Purchase Order 25-0152	der Quote H17287	Bo	Bottle Order	Spec	Special Report/Formats: ☐ LEVEL IV ☐NELAC	AC	■ EDD/ED	T (contact lat	■ EDD/EDT (contact taboratory) □ Other	Other		250 ml	il s	sam	emple buffle.
Project I	Project Information				Matrix Codes	Codes			Anal	Analysis Requested	nested			-	,
Project Name	Project Name, PWSID, Permit, etc. Schwartzwalder Mine	hwartzwalder M	ine		A- Air	į.						'e			All turnaround times are
Sampler Name	Sampler Name Brycal Actu	Acute Sampler Phone 720-233	\$20-23	2-C/G		Water Soils/	snuc	sbilo		, ti-tit		s Bet			standard unless marked as RUSH.
Sample Origin	Sample Origin State Colorado	EPA/State Compliance	mpliance	oN 🗆 se	, >	Solids			рә	+ 0		LOSS			Energy Laboratories
URANIUM MINING ( ☐ Unprocessed Ore ☐ Processed Ore (G	URANIUM MINING CLIENTS MUST indicate sample type    Unprocessed Ore   Processed Ore (Ground or Refined) "CALL BEFORE SENDING   11(e)2 Byproduct Material (Can ONL'Y be Submitted to ELI Casper Location)	dicate sample type "CALL BEFORE SE Y be Submitted to E	ENDING LI Casper Locati	on)	B - Bios O - Oil Dw - Drin	Bioassay Oil Drinking Water	odd lava.	s (E300.0	vlossiO ,	s Total en, Nitrat	de, WAD	9 ,shqlA	ս 226 + 2	/ttached	RUSH sample submittal for charges and scheduling – See Instructions Page
	Sample Identification (Name, Location, Interval, etc.)	tion etc.)	Colle	Collection e Time	Number of Containers	Matrix (See Codes			Metal			Gross Total		eeS Fig	ELI LAB ID
1 SW-AWD	٥		7/8/5	00:60	0	3								•	1275
2 SW-BPL	ال-		7/8/2509:15	31:10	6	3		-						•	
8					•										
4															
5														-	
9			2.												
7															
80														-	
6															
	ELI Is REQUIRED to provide preservative traceability.	rovide preservat	ive traceabilit		ervatives	supplied	with the b	ottle order	were NO	F used, ple	ase attacl	your pre	servative	inform	If the preservatives supplied with the bottle order were NOT used, please attach your preservative information with this COC.
Custody	Relinquished by (grint)	o J	12	1855 Signat	Signature	4		Received by (print)	oy (print)		ă	Date/Time	15	Sign	Signature
MUST be signed	Relipquished by (print)	<u>.</u>	Date/Time (	Signatu	8			Received	Received by Laboratory (print)	7	acun D	Date/Time	177	Sign	Signature
	1000					LABORA	LABORATORY USE ONLY	ONLY		11	ALCO SERVICE			ALL PARTY IN	
Shipped By	y Cooler ID(s)	Custody Seals	Intact Y N	Receipt Temp	Temp Blank	Blank	გ <mark>Z</mark>	00	(Payme Cash (	Payment Type V		Amount \$	æ	eceipt	Receipt Number (cash/check/only)
			200												

In certain circumstances, samples submitted to Energy Laboratories, Inc. may be subcontracted to other certified laboratories in order to complete the analysis requested.

This serves as notice of this possibility. All subcontracted data will be clearly notated on your analytical report.



Trust our People. Trust our Data. www.energylab.com

Billings, MT 406.252.6325 . Casper, WY 307,235.0515 . Gillette, WY 307.686.7175 . Helena, MT 406.442.0711



### **BOTTLE ORDER 195244**

SHIPPED Linkan Engineering TO:

To report an issue with this order, view Safety Data Sheets, or let us know how we are doing, scan here or go to energylab.com/contact-us

Shipped From: Billings, MT Ship Date: 6/3/2025

Order Created by: Yvonna E. Smith

VIA: Ground

Quote Used: 17287

Num of Samp Notes Preservative Critical Hold Time Tests Method Bottles Per Samp Bottle Size/Type

Schwartzwalder Mine - Table 1.1

Phone: Project:

400 Corporate Circle, Suite H

Contact: Chris Prosper

Golden CO 80401 (719) 247-0564

Table 1.1 ( 2 Sets)						
120 mL Plastic	1	1 E365.1	Low Level Phosphorus, Orthophosphate 48.00 hrs as P	hrs	Filter Sample	-
1 Liter Plastic	<u>Т</u>	1 E300.0	Anions by Ion Chromatography			-
	A	A2540 C	Solids, Total Dissolved			
1 Liter Plastic Wide Mouth	4	1 A2540 D	Solids, Total Suspended		Fill to the neck of the container.	-
250 mL Plastic	Τ.	E200.7_8	Metals by ICP/ICPMS, Dissolved	HNO3	Filter before preservation	-
250 mL Plastic	1 E	1 E200.7_8	Metals by ICP/ICPMS, Total	HNO3		-
	Ш	E200.2	Metals Digestion by E200.2			
250 mL Plastic	1 E	1 E353.2	Nitrogen, Nitrate + Nitrite	H2SO4		-
	Ш	E365.1	E365.1 Digestion, Total P			
	Ш	E365.1	Low level Phosphorus, Total			
500 mL Amber Plastic	-	1 Kelada-01	Cyanide, Weak Acid Dissociable	NaOH		-
500 mL Plastic	1	E900.0	Gross Alpha, Gross Beta, Total	HNO3		_

1 Gallon Plastic	1 A7500-RA	1 A7500-RA Radium 226 + Radium 228	HNO3	This now only requires one (1) 15mL	<del>-</del>
	E903.0	Radium 226, Total		nitric acid Vial for preservation.	
	RA-05	Radium 228, Total			

### Comments

HNO3 - Nitric Acid H2SO4 - Sulfuric Acid				NaOH - Sodium Hydroxide	We strongly suggest that the samples are
ZnAc - Zinc Acetate HCI - Hydrochloric	20	HCI - Hydrochloric		H3PO4 - Phosphoric Acid	shipped the same day as they are collected.
		Acid			
Material Safety Data She	ets(I	MSDS) Available @ Ene.	rgyLa	Material Safety Data Sheets(MSDS) Available @ EnergyLab.com ->Services -> MSDS Sheets	
Corrosive Chemicals: Nitric, Sulfuric, Phosphoric, Hydrochloric Acids and	lfuric,	Phosphoric, Hydrochloric Acic	ds and	Sodium Hydroxide. Zinc Acetate is a skin irritant.	

Subcontracting of sample analyses to an outside laboratory may be required. If so, Energy Laboratories will utilize its branch laboratories or qualified contract laboratories for this service. Any such laboratories will be indicated within the Laboratory Analytical Report.



Inactive Mine Reclamation Program
Division of Reclamation, Mining & Safety
1313 Sherman Street
Denver, CO 80203

08/22/2025 25US0221

Re: Monthly Mine Pool Results for July 2025

Schwartzwalder Mine CO0001244

### TO WHOM IT MAY CONCERN:

On February 10<sup>th</sup>, 2025 the operations contract for the Schwartzwalder Mine was awarded and the contract started on April 1<sup>st</sup>, 2025.

Attached are the monthly mine pool results for July 2025. The sample was taken on July 15th.

Best regards, Linkan

Patale Daly

Patrick M. Delaney
Operator Responsible in Charge (ORC)
Black Fox Mining, LLC



#### **Enclosures:**

July 2025 Mine Pool Results

#### CC List:

Electronic Copy sent to the following:

Peter Hays, CDNR, peter.hays@state.co.us
Quinn Westmoreland, Linkan, quinn.westmoreland@linkan.com
Adam Billin, Linkan, adam.billin@linkan.com
Chris Prosper, Linkan, chris.prosper@linkan.com
Sam Billin, Linkan, sam.billin@linkan.com
Jared Buck, Linkan, jared.buck@linkan.com
Brandy Wadford, Linkan, brandy.wadford@linkan.com
Alex Schwiebert, Linkan, alex.schwiebert@linkan.com



#### **ANALYTICAL SUMMARY REPORT**

August 14, 2025

Linkan Engineering 2720 Ruby Vista Dr Ste 101 Elko, NV 89801-4943

Work Order: B25071629 Quote ID: B17287

Project Name: Schwartzwalder Mine

Energy Laboratories Inc Billings MT received the following 1 sample for Linkan Engineering on 7/18/2025 for analysis.

Lab ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
B25071629-001	Mine Pool	07/15/25 9:45	07/18/25	Aqueous	Metals by ICP/ICPMS, Dissolved Metals by ICP/ICPMS, Total Alkalinity to pH 4.5 Cyanide, Weak Acid Dissociable Mercury, Dissolved Mercury, Total Oxygen, Dissolved Anions by Ion Chromatography Nitrogen, Nitrate + Nitrite Metals Digestion by E200.2 Mercury Digestion by E245.1 E365.1 Digestion, Total P Low Level Phosphorus, Orthophosphate as P Low level Phosphorus, Total Gross Alpha, Gross Beta, Total Radium 226 + Radium 228 Radium 226, Dissolved Radium 228, Total Solids, Total Dissolved Solids, Total Suspended

The analyses presented in this report were performed by Energy Laboratories, Inc., 1120 So. 27th Street, Billings, MT 59101, unless otherwise noted. Any exceptions or problems with the analyses are noted in the report package. Any issues encountered during sample receipt are documented in the Work Order Receipt Checklist.

The results as reported relate only to the item(s) submitted for testing. This report shall be used or copied only in its entirety. Energy Laboratories, Inc. is not responsible for the consequences arising from the use of a partial report.

Energy Laboratories, Inc. verifies the reported results for the analysis has been technically reviewed and approved for release.

If you have any questions regarding these test results, please contact your Project Manager.

Billings, MT **406.252.6325** • Casper, WY **307.235.0515** Gillette, WY **307.686.7175** • Helena, MT **406.442.0711** 

**Report Date:** 08/14/25

CLIENT: Linkan Engineering
Project: Schwartzwalder Mine

Work Order: B25071629 CASE NARRATIVE

Tests associated with analyst identified as ELI-CA were subcontracted to Energy Laboratories, PO Box 247, Casper, WY, EPA Number WY00002.

#### LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: Linkan Engineering **Report Date:** 08/14/25 Schwartzwalder Mine Project: Collection Date: 07/15/25 09:45 B25071629-001 Lab ID: DateReceived: 07/18/25 Client Sample ID: Mine Pool Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
Solids, Total Suspended TSS @ 105 C	31	mg/L		10		A2540 D	07/18/25 13:05 / pjw
Solids, Total Dissolved TDS @ 180 C		mg/L		100		A2540 C	07/18/25 14:51 / etv
INORGANICS							
Alkalinity, Total as CaCO3	920	mg/L		4		A2320 B	07/23/25 11:21 / spb
Bicarbonate as CaCO3	920	mg/L		3		A2320 B	07/23/25 11:21 / spb
Carbonate as CaCO3	ND	mg/L		7		A2320 B	07/23/25 11:21 / spb
Chloride	69	mg/L		5		E300.0	07/19/25 13:17 / caa
Sulfate	2260	mg/L		20		E300.0	07/19/25 13:17 / caa
Fluoride		mg/L		0.2		E300.0	07/30/25 14:43 / caa
Hydroxide as CaCO3		mg/L		10		A2320 B	07/23/25 11:21 / spb
Cyanide, Weak Acid Dissociable		mg/L		0.005		Kelada-01	07/22/25 13:20 / fap
Oxygen, Dissolved		mg/L	Н	0.1		A4500-O G	07/18/25 15:47 / mbs
NUTRIENTS							
Nitrogen, Nitrate+Nitrite as N	0.08	mg/L		0.01		E353.2	07/22/25 13:07 / rs4
Phosphorus, Orthophosphate as P	0.021	•	Н	0.002		E365.1	07/18/25 16:46 / taz
Phosphorus, Total as P	0.082	•		0.002		E365.1	07/30/25 11:20 / taz
METALS, DISSOLVED							
Aluminum	0.002	mg/L	J	0.03		E200.8	07/22/25 18:41 / aem
Antimony	0.0002	mg/L	J	0.001		E200.8	07/22/25 18:41 / aem
Arsenic	0.030	•		0.001		E200.8	07/22/25 18:41 / aem
Boron		mg/L		0.05		E200.7	07/21/25 16:32 / enb
Calcium		mg/L		1		E200.7	07/21/25 16:32 / enb
Chromium		mg/L		0.005		E200.8	07/22/25 18:41 / aem
Copper		mg/L		0.005		E200.8	07/22/25 18:41 / aem
Iron		mg/L		0.2		E200.7	07/21/25 16:32 / enb
Lead		mg/L		0.001		E200.8	07/22/25 18:41 / aem
Magnesium		mg/L		1		E200.7	07/21/25 16:32 / enb
Manganese	0.600	-		0.001		E200.8	07/22/25 18:41 / aem
Mercury		mg/L		0.0001		E245.1	07/21/25 16:32 / mjb
Molybdenum		mg/L		0.02		E200.7	07/21/25 16:32 / enb
Potassium		mg/L		2		E200.7	07/21/25 16:32 / enb
Silver	0.00001	-	J	0.001		E200.8	07/22/25 18:41 / aem
Sodium		mg/L	J	1		E200.7	07/21/25 16:32 / enb
Thallium		mg/L		0.0005		E200.7	07/22/25 18:41 / aem
Uranium		mg/L		0.0003		E200.7	07/21/25 16:32 / enb
Zinc	0.007	-	J	0.01		E200.7 E200.8	07/22/25 18:41 / aem
METALS, TOTAL							
Aluminum	0.004	mg/L	J	0.03		E200.8	07/29/25 01:36 / jks
Antimony	0.00007	-	J	0.001		E200.8	07/25/25 07:20 / aem
Arsenic	0.034	•	ŭ	0.001		E200.8	07/29/25 01:36 / jks

Report RL - Analyte Reporting Limit Definitions:

QCL - Quality Control Limit

H - Analysis performed past the method holding time

MCL - Maximum Contaminant Level

ND - Not detected at the Reporting Limit (RL)

J - Estimated value - analyte was present but less than the Reporting Limit (RL)

#### LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client:Linkan EngineeringReport Date:08/14/25Project:Schwartzwalder MineCollection Date:07/15/25 09:45Lab ID:B25071629-001DateReceived:07/18/25Client Sample ID:Mine PoolMatrix:Aqueous

Analona	<b>-</b> "		o	ъ.	MCL/	Mada al	Australa Bata / Ba
Analyses	Result	Units	Qualifiers	RL	QCL	Method	Analysis Date / By
METALS, TOTAL							
Boron	0.32	mg/L		0.05		E200.7	07/23/25 15:27 / jaw
Chromium	ND	mg/L		0.005		E200.8	07/26/25 09:02 / jks
Copper	ND	mg/L		0.005		E200.8	07/26/25 09:02 / jks
Iron	11.8	mg/L		0.2		E200.7	07/23/25 15:27 / jaw
Lead	ND	mg/L		0.001		E200.8	07/26/25 09:02 / jks
Manganese	0.610	mg/L		0.005		E200.8	07/26/25 09:02 / jks
Mercury	ND	mg/L		0.0001		E245.1	07/21/25 16:33 / mjb
Molybdenum	1.37	mg/L		0.02		E200.7	07/23/25 15:27 / jaw
Silver	ND	mg/L		0.001		E200.8	07/26/25 09:02 / jks
Thallium	ND	mg/L		0.0005		E200.8	07/25/25 07:20 / aem
Zinc	0.003	mg/L	J	0.01		E200.8	07/29/25 01:36 / jks
RADIONUCLIDES - DISSOLVED							
Radium 226	98.4	pCi/L				E903.0	08/04/25 18:55 / eli-ca
Radium 226 precision (±)	15.1	pCi/L				E903.0	08/04/25 18:55 / eli-ca
Radium 226 MDC	0.1	pCi/L				E903.0	08/04/25 18:55 / eli-ca
RADIONUCLIDES - TOTAL							
Gross Alpha	26100	pCi/L				E900.0	08/08/25 04:28 / eli-ca
Gross Alpha precision (±)	5640	pCi/L				E900.0	08/08/25 04:28 / eli-ca
Gross Alpha MDC	27.0	pCi/L				E900.0	08/08/25 04:28 / eli-ca
Gross Beta	6040	pCi/L				E900.0	08/08/25 04:28 / eli-ca
Gross Beta precision (±)	392	pCi/L				E900.0	08/08/25 04:28 / eli-ca
Gross Beta MDC	14.2	pCi/L				E900.0	08/08/25 04:28 / eli-ca
Radium 226	103	pCi/L				E903.0	08/11/25 10:34 / eli-ca
Radium 226 precision (±)	15.8	pCi/L				E903.0	08/11/25 10:34 / eli-ca
Radium 226 MDC	0.2	pCi/L				E903.0	08/11/25 10:34 / eli-ca
Radium 228	1.0	pCi/L				RA-05	08/06/25 12:50 / eli-ca
Radium 228 precision (±)	0.7	pCi/L				RA-05	08/06/25 12:50 / eli-ca
Radium 228 MDC	1	pCi/L				RA-05	08/06/25 12:50 / eli-ca
Radium 226 + Radium 228	104	pCi/L				A7500-RA	08/12/25 13:45 / eli-ca
Radium 226 + Radium 228 precision (±)	15.9	pCi/L				A7500-RA	08/12/25 13:45 / eli-ca
Radium 226 + Radium 228 MDC	1	pCi/L				A7500-RA	08/12/25 13:45 / eli-ca

Report RL - Analyte Reporting Limit

Definitions: QCL - Quality Control Limit

QCL - Quality Control Limit

 $\mbox{\bf J}$  - Estimated value - analyte was present but less than the Reporting Limit (RL)

MCL - Maximum Contaminant Level

**Report Date:** 08/12/25



Work Order: B25071629

# **QA/QC Summary Report**

Prepared by Casper, WY Branch

									Порого			
Analyte		Count	Result	Units	RL	%REC	Low	Limit	High Limit	RPD	RPDLimit	Qual
Method:	E900.0										Batch: G	GrAB-3458
Lab ID:	Th230-GrAB-3458	3 La	boratory Co	ntrol Sample			Run:	TENN	ELEC-4_250730E	Ξ	08/07	/25 03:24
Gross Alp	oha		81	pCi/L		81		70	130			
Gross Alp	ha precision (±)		18	pCi/L								
Gross Alp	ha MDC		1.4	pCi/L								
Lab ID:	Sr90-GrAB-3458	3 La	boratory Co	ntrol Sample			Run:	TENN	ELEC-4_250730E	Ξ	08/07	/25 03:24
Gross Be	ta		180	pCi/L		96		70	130			
Gross Be	ta precision (±)		12	pCi/L								
Gross Be	ta MDC		2.4	pCi/L								
Lab ID:	MB-GrAB-3458	6 Me	ethod Blank				Run:	TENN	ELEC-4_250730E	Ξ	08/07	/25 03:24
Gross Alp	ha		5	pCi/L								
Gross Alp	ha precision (±)		2	pCi/L								
Gross Alp	ha MDC		2	pCi/L								
Gross Be	ta		-0.2	pCi/L								U
Gross Be	ta precision (±)		1	pCi/L								
Gross Be	ta MDC		2	pCi/L								
Lab ID:	C25070727-006DMS	3 Sa	mple Matrix	Spike			Run:	TENN	ELEC-4_250730E	<b>=</b>	08/07	/25 03:24
Gross Alp	ha		240	pCi/L		86		70	130			
Gross Alp	ha precision (±)		52	pCi/L								
Gross Alp	ha MDC		2.6	pCi/L								
Lab ID:	C25070727-006DMSE	<b>)</b> 3 Sa	mple Matrix	Spike Duplicate			Run:	TENN	ELEC-4_250730E	Ξ	08/07	/25 03:24
Gross Alp			210	pCi/L		57		70	130	13	30	S
Gross Alp	ha precision (±)		45	pCi/L								
Gross Alp	ha MDC		2.7	pCi/L								
- The REI	R result is 0.43.											
Lab ID:	C25070727-007DMS1	3 Sa	mple Matrix	Spike			Run:	TENN	ELEC-4_250730E	Ξ	08/07	/25 03:24
Gross Be	ta		210	pCi/L		97		70	130			
Gross Be	ta precision (±)		14	pCi/L								
Gross Be	ta MDC		2.3	pCi/L								
Lab ID:	C25070727-007DMSE	<b>)1</b> 3 Sa	mple Matrix	Spike Duplicate			Run:	TENN	ELEC-4_250730E	Ξ	08/07	/25 03:24
Gross Be	ta		210	pCi/L		99		70	130	1.6	30	
Gross Be	ta precision (±)		14	pCi/L								
Gross Be	ta MDC		2.3	pCi/L								
- The REI	R result is 0.17.											

#### Qualifiers:

RL - Analyte Reporting Limit

S - Spike recovery outside of advisory limits

ND - Not detected at the Reporting Limit (RL)

U - Not detected



Prepared by Casper, WY Branch

Work Order: B25071629						Repo	rt Date	: 08/12/25	
Analyte	Count Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E903.0								Batch: RA2	26-11759
Lab ID: LCS-RA226-11759	3 Laboratory Co	ntrol Sample			Run: TENN	IELEC-4_25072	4E	08/04	/25 15:27
Radium 226	10	pCi/L		100	70	130			
Radium 226 precision (±)	1.6	pCi/L							
Radium 226 MDC	0.17	pCi/L							
Lab ID: MB-RA226-11759	3 Method Blank				Run: TENN	IELEC-4_25072	4E	08/04	/25 15:27
Radium 226	-0.1	pCi/L							U
Radium 226 precision (±)	0.1	pCi/L							
Radium 226 MDC	0.2	pCi/L							
Lab ID: C25070613-005DDUI	3 Sample Duplic	cate			Run: TENN	IELEC-4_25072	4E	08/04	/25 15:27
Radium 226	26	pCi/L					1.3	30	
Radium 226 precision (±)	4.0	pCi/L							
Radium 226 MDC	0.24	pCi/L							
- The RER result is 0.06.									
Method: E903.0								Batch: RA2	226-11770
Lab ID: LCS-RA226-11770	3 Laboratory Co	ntrol Sample			Run: TENN	IELEC-4_25073	0F	08/11	/25 10:34
Radium 226	10	pCi/L		105	70	130			
Radium 226 precision (±)	1.7	pCi/L							
Radium 226 MDC	0.16	pCi/L							
Lab ID: MB-RA226-11770	3 Method Blank				Run: TENN	IELEC-4_25073	0F	08/11	/25 10:34
Radium 226	0.07	pCi/L							U
Radium 226 precision (±)	0.1	pCi/L							
Radium 226 MDC	0.2	pCi/L							
Lab ID: C25070838-001ADU	3 Sample Duplic	cate			Run: TENN	IELEC-4_25073	0F	08/11	/25 10:58
Radium 226	0.035	pCi/L					210	30	UR
Radium 226 precision (±)	0.11	pCi/L							

<sup>-</sup> Duplicate RPD is outside of the acceptance range for this analysis. However, the RER is less than or equal to the limit of 3. The RER result is 0.22.

pCi/L

0.18

#### Qualifiers:

Radium 226 MDC

RL - Analyte Reporting Limit

R - Relative Percent Difference (RPD) exceeds advisory limit

ND - Not detected at the Reporting Limit (RL)

U - Not detected



Prepared by Casper, WY Branch

 Work Order:
 B25071629

 Report Date:
 08/12/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: RA-05									Batch: RA	228-7729
Lab ID: LCS-228-RA226-1177	<b>'0</b> 3 La	aboratory Cor	ntrol Sample	е		Run: TENN	ELEC-4_250730	D	08/06/	/25 12:50
Radium 228		8.3	pCi/L		91	70	130			
Radium 228 precision (±)		2.3	pCi/L							
Radium 228 MDC		1.0	pCi/L							
Lab ID: MB-RA226-11770	3 M	ethod Blank				Run: TENN	ELEC-4_250730	D	08/06/	/25 12:50
Radium 228		8.0	pCi/L							U
Radium 228 precision (±)		0.7	pCi/L							
Radium 228 MDC		1	pCi/L							
Lab ID: C25070838-001ADUP	3 S	ample Duplica	ate			Run: TENN	ELEC-4_250730	D	08/06/	/25 12:50
Radium 228		0.56	pCi/L					400	30	UR
Radium 228 precision (±)		0.61	pCi/L							
Radium 228 MDC		0.97	pCi/L							

<sup>-</sup> Duplicate RPD is outside of the acceptance range for this analysis. However, the RER is less than or equal to the limit of 3. The RER result is 0.92.

RL - Analyte Reporting Limit

R - Relative Percent Difference (RPD) exceeds advisory limit

ND - Not detected at the Reporting Limit (RL)

U - Not detected



Prepared by Billings, MT Branch

Work Order: B25071629						Repo	ort Date:	07/28/25		
Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2320 B									Batch: Al	K250723
Lab ID: MBLK	Met	thod Blank				Run: ORIO	NVERSASTAR	PRO_250	07/23/	25 10:37
Alkalinity, Total as CaCO3		ND	mg/L	4						
Lab ID: LCS	Lab	oratory Cor	ntrol Sample			Run: ORIO	NVERSASTAR	PRO_250	07/23/	25 10:45
Alkalinity, Total as CaCO3		102	mg/L	4.0	102	90	110			
Lab ID: B25071643-001ADUP	7 Sar	mple Duplica	ate			Run: ORIO	NVERSASTAR	PRO_250	07/23/	25 12:24
Alkalinity, Total as CaCO3		25.0	mg/L	4.0				6.2	10	
Bicarbonate as HCO3		30.5	mg/L	4.0				6.2	10	
Carbonate as CO3		ND	mg/L	4.0					10	
Hydroxide as OH		ND	mg/L	4.0					10	
Bicarbonate as CaCO3		25.0	mg/L	3.3				6.2	10	
Carbonate as CaCO3		ND	mg/L	6.7					10	
Hydroxide as CaCO3		ND	mg/L	12						

RL - Analyte Reporting Limit



Prepared by Billings, MT Branch

**Work Order:** B25071629 **Report Date:** 07/28/25

Analyte C	Count Result	Units	RL	%REC L	ow Limit	High Limit	RPD	RPDLimit	Qual
Method: A2540 C							Е	Batch: TDS20	0250718D
Lab ID: MBLK_20250718-6	Method Blank			R	un: Bal #30	0_250718C		07/18/	/25 14:48
Solids, Total Dissolved TDS @ 180	C ND	mg/L	20						
Lab ID: LCS_20250718-5	Laboratory Co	ntrol Sample		R	un: Bal #30	0_250718C		07/18/	/25 14:49
Solids, Total Dissolved TDS @ 180	C 940	mg/L	25	94	90	110			
Lab ID: B25071649-001ADUP	Sample Duplic	ate		R	un: Bal #30	0_250718C		07/18	/25 14:52
Solids, Total Dissolved TDS @ 180	C 170	mg/L	25				1.1	10	

Billings, MT 406.252.6325 • Casper, WY 307.235.0515 Gillette, WY 307.686.7175 • Helena, MT 406.442.0711

# **QA/QC Summary Report**

Prepared by Billings, MT Branch

Work Order: B25071629 Report Date: 07/28/25

Analyte	Cor	unt	Result	Units	RL	%REC	Low Limit	High Limit	RPD RPDLimi	t Qual
Method:	A2540 D								Batch: TSS	20250718A
Lab ID: M	BLK_20250718-3	Meth	nod Blank				Run: BAL #	30_250718F	07/	18/25 11:09
Solids, Total	Suspended TSS @ 105	С	ND	mg/L	0.6					
Lab ID: Lo	CS_20250718-2	Labo	oratory Cor	ntrol Sample			Run: BAL #	30_250718F	07/	18/25 11:09
Solids, Total	Suspended TSS @ 105	С	95.0	mg/L	25	95	80	120		
Lab ID: B	25071606-004BDUP	Sam	ple Duplica	ate			Run: BAL #	30_250718F	07/	18/25 11:10
Solids, Total	Suspended TSS @ 105	0	1.60	mg/L	10				10	J
TSS did not o	btain the minimum residue re	quireme	nt of 2.5 mg	residue.						

Billings, MT **406.252.6325** • Casper, WY **307.235.0515** Gillette, WY **307.686.7175** • Helena, MT **406.442.0711** 

# **QA/QC Summary Report**

Prepared by Billings, MT Branch

**Work Order:** B25071629 **Report Date:** 07/28/25

Analyte		Count	Result	Units	RL	%REC Low Limit	High Limit	RPD	RPDLimit	Qual
Method:	A4500-O G								Batch:	R446079
Lab ID:	B25071629-001BDUP	Sar	mple Duplic	ate		Run: DO_M	ETER_250718	Α	07/18/	25 15:49
Oxygen, I	Dissolved		7.01	mg/L	0.10			2.6	30	Н

Prepared by Billings, MT Branch

Work Order: B25071629 Report Date: 07/28/25

Analyte		Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method:	E300.0							Analytical	Run: IC M	METROHM 1	_250717A
Lab ID:	ICV	3 Ini	tial Calibratio	on Verification	Standard					07/17	/25 11:39
Chloride			25.6	mg/L	1.0	103	90	110			
Sulfate			103	mg/L	1.0	103	90	110			
Fluoride			1.24	mg/L	0.10	100	90	110			
Lab ID:	CCV	3 Co	ntinuing Cal	ibration Verific	ation Standaı	·d				07/19	/25 10:49
Chloride			26.1	mg/L	1.0	104	90	110			
Sulfate			106	mg/L	1.0	106	90	110			
Fluoride			1.26	mg/L	0.10	101	90	110			
Method:	E300.0									Batch:	R446054
Lab ID:	ICB	3 Me	thod Blank				Run: IC ME	TROHM 1_250	717A	07/17	/25 11:56
Chloride			ND	mg/L	0.1						
Sulfate			ND	mg/L	0.7						
Fluoride			ND	mg/L	0.009						
Lab ID:	LFB	3 La	boratory For	tified Blank			Run: IC ME	TROHM 1_250	717A	07/17	/25 12:12
Chloride			25.8	mg/L	1.0	103	90	110			
Sulfate			105	mg/L	1.1	105	90	110			
Fluoride			1.28	mg/L	0.10	102	90	110			
Lab ID:	B25071609-005AMS	3 Sa	mple Matrix	Spike			Run: IC ME	TROHM 1_250	717A	07/19	/25 11:22
Chloride			51.1	mg/L	1.0	94	90	110			
Sulfate			139	mg/L	1.0	97	90	110			
Fluoride			1.48	mg/L	0.10	96	90	110			
Lab ID:	B25071609-005AMSD	) 3 Sa	mple Matrix	Spike Duplica	te		Run: IC ME	TROHM 1_250	717A	07/19	/25 11:38
Chloride			51.8	mg/L	1.0	96	90	110	1.4	20	
Sulfate			141	mg/L	1.0	99	90	110	1.5	20	
Fluoride			1.51	mg/L	0.10	98	90	110	1.7	20	
Lab ID:	B25071643-001AMS	3 Sa	mple Matrix	Spike			Run: IC ME	TROHM 1_250	717A	07/19	/25 15:12
Chloride			24.3	mg/L	1.0	94	90	110			
Sulfate			92.5	mg/L	1.1	91	90	110			
Fluoride			1.26	mg/L	0.10	95	90	110			
Lab ID:	B25071643-001AMSD	) 3 Sa	mple Matrix	Spike Duplica	te		Run: IC ME	TROHM 1_250	717A	07/19	/25 15:29
Chloride			22.2	mg/L	1.0	85	90	110	9.1	20	S
Sulfate			83.5	mg/L	1.1	82	90	110	10	20	S
											S

#### Qualifiers:

RL - Analyte Reporting Limit

S - Spike recovery outside of advisory limits

**Report Date:** 07/28/25



Work Order: B25071629

# **QA/QC Summary Report**

Prepared by Billings, MT Branch

	<b>5.40</b> B2007 1020							Поро		01120120	
Analyte		Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method:	E353.2							Anal	ytical Ru	n: FIA203-B	_250722A
Lab ID:	ICV	Initi	ial Calibratio	on Verification Sta	andard					07/22	25 12:30
Nitrogen,	Nitrate+Nitrite as N		0.547	mg/L	0.010	97	90	110			
Lab ID:	CCV_20250722-1	Coi	ntinuing Cal	ibration Verificati	on Standar	ď				07/22	25 12:49
Nitrogen,	Nitrate+Nitrite as N		0.999	mg/L	0.010	100	90	110			
Method:	E353.2									Batch:	R446236
Lab ID:	FilterMBLK	Me	thod Blank				Run: FIA20	3-B_250722A		07/22	25 12:31
Nitrogen,	Nitrate+Nitrite as N		ND	mg/L	0.009			_			
Lab ID:	MBLK	Me	thod Blank				Run: FIA20	3-B_250722A		07/22	25 12:33
Nitrogen,	Nitrate+Nitrite as N		ND	mg/L	0.009						
Lab ID:	FilterLFB	Lab	oratory For	tified Blank			Run: FIA20	3-B_250722A		07/22	25 12:34
Nitrogen,	Nitrate+Nitrite as N		0.984	mg/L	0.010	98	90	110			
Lab ID:	LFB_20250722-1	Lab	oratory For	tified Blank			Run: FIA20	3-B_250722A		07/22	25 12:35
Nitrogen,	Nitrate+Nitrite as N		0.920	mg/L	0.010	92	90	110			
Lab ID:	B25071637-001BMS	Sar	mple Matrix	Spike			Run: FIA20	3-B_250722A		07/22	25 13:14
Nitrogen,	Nitrate+Nitrite as N		22.8	mg/L	0.10	100	90	110			
Lab ID:	B25071637-001BMS	<b>D</b> Sar	mple Matrix	Spike Duplicate			Run: FIA20	3-B_250722A		07/22	/25 13:15
Nitrogen,	Nitrate+Nitrite as N		22.5	mg/L	0.10	97	90	110	1.4	10	

Qualifiers:

RL - Analyte Reporting Limit

Prepared by Billings, MT Branch

Work Order: B25071629 **Report Date: 07/28/25** Analyte Count Result Units RL %REC Low Limit High Limit **RPD RPDLimit** Qual Method: E365.1 Analytical Run: FIA204-B\_250718A ICV Lab ID: Initial Calibration Verification Standard 07/18/25 14:34 Phosphorus, Orthophosphate as P 0.254 0.0050 102 90 110 mg/L Lab ID: CCV Continuing Calibration Verification Standard 07/18/25 16:40 Phosphorus, Orthophosphate as P 0.465 mg/L 0.0050 93 90 110 Batch: R446073 Method: E365.1 Lab ID: **ICB** 07/18/25 14:36 Method Blank Run: FIA204-B 250718A Phosphorus, Orthophosphate as P ND 0.001 mg/L Lab ID: LFB Laboratory Fortified Blank Run: FIA204-B 250718A 07/18/25 14:37 Phosphorus, Orthophosphate as P 0.255 mg/L 0.0050 102 90 110 B25071629-001AMS Lab ID: Sample Matrix Spike Run: FIA204-B 250718A 07/18/25 14:42 Phosphorus, Orthophosphate as P 0.238 mg/L 0.0020 88 90 110 S Lab ID: B25071629-001AMSD Sample Matrix Spike Duplicate 07/18/25 14:43 Run: FIA204-B 250718A 0.0020 2.1 Phosphorus, Orthophosphate as P 0.243 mg/L 90 90 110 10 Lab ID: B25071629-001AMS Sample Matrix Spike Run: FIA204-B 250718A 07/18/25 16:45 Phosphorus, Orthophosphate as P 0.237 0.0020 87 90 110 S mg/L Lab ID: B25071629-001AMSD Sample Matrix Spike Duplicate Run: FIA204-B 250718A 07/18/25 16:46 Phosphorus, Orthophosphate as P 0.245 mg/L 0.0020 90 90 110 3.3 10

#### Qualifiers:

Billings, MT 406.252.6325 • Casper, WY 307.235.0515 Gillette, WY 307.686.7175 • Helena, MT 406.442.0711

# **QA/QC Summary Report**

Prepared by Billings, MT Branch

**Work Order:** B25071629 **Report Date:** 07/28/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: Kelada-01							Analy	tical Run	: SFA-202-B	_250722A
Lab ID: ICV	Ir	nitial Calibrati	on Verification S	tandard					07/22	/25 13:01
Cyanide, Weak Acid Dissoci	able	0.0929	mg/L	0.0050	93	90	110			
Method: Kelada-01									Batch:	R446224
Lab ID: ICB	N	lethod Blank				Run: SFA-2	202-B_250722A		07/22	/25 13:02
Cyanide, Weak Acid Dissoci	able	ND	mg/L	0.002						
Lab ID: LFB	L	aboratory Fo	rtified Blank			Run: SFA-2	202-B_250722A		07/22	/25 13:04
Cyanide, Weak Acid Dissoci	able	0.0981	mg/L	0.0050	98	90	110			
Lab ID: LCS1-ZnCN2	L	aboratory Co	ntrol Sample			Run: SFA-2	202-B_250722A		07/22	/25 13:06
Cyanide, Weak Acid Dissoci	able	0.0935	mg/L	0.0050	93	90	110			
Lab ID: B25071629-0010	SMS S	ample Matrix	Spike			Run: SFA-2	202-B_250722A		07/22	/25 13:24
Cyanide, Weak Acid Dissoci	able	0.0980	mg/L	0.0050	98	80	120			
Lab ID: B25071629-0010	SMSD S	ample Matrix	Spike Duplicate			Run: SFA-2	202-B_250722A		07/22	/25 13:28
Cyanide, Weak Acid Dissoci	able	0.100	mg/L	0.0050	100	80	120	2.0	10	

Work Order: B25071629

#### **QA/QC Summary Report**

Prepared by Billings, MT Branch

**Report Date:** 08/01/25 Analyte Count Result Units **RL %REC Low Limit High Limit RPD RPDLimit** Qual E200.7 Analytical Run: ICP205-B 250721A Method: ICV Lab ID: 8 Continuing Calibration Verification Standard 07/21/25 15:11 2.55 0.10 102 95 105 Boron mg/L Calcium 24.6 mg/L 1.0 98 95 105 Iron 2.46 mg/L 0.040 98 95 105 Magnesium 24.8 mg/L 1.0 99 95 105 2.56 0.10 95 Molybdenum mg/L 102 105 Potassium 24.7 mg/L 1.0 99 95 105 Sodium mg/L 100 95 24.9 1.0 105 Uranium 2.46 mg/L 0.10 99 95 105 Lab ID: CCV 8 Continuing Calibration Verification Standard 07/21/25 16:28 Boron 2.51 mg/L 0.10 100 90 110 24.0 mg/L 1.0 96 90 Calcium 110 2.43 mg/L 0.040 97 90 Iron 110 Magnesium 24.7 mg/L 99 90 1.0 110 2.54 90 Molybdenum mg/L 0.10 101 110 Potassium 24.5 mg/L 1.0 98 90 110 Sodium 24.7 mg/L 1.0 99 90 110 90 Uranium 2.43 mg/L 0.10 97 110 Method: E200.7 Batch: R446190 Lab ID: MB-5900DIS250718A 8 Method Blank Run: ICP205-B 250721A 07/21/25 15:25 Boron ND mg/L 0.006 Calcium ND mg/L 0.06 0.02 mg/L 0.01 Iron 0.05 Magnesium ND mg/L Molybdenum ND mg/L 0.003 Potassium ND 0.1 mg/L Sodium ND mg/L 0.05 0.04 Uranium ND mg/L Lab ID: LFB-5900DIS250718A Run: ICP205-B 250721A 8 Laboratory Fortified Blank 07/21/25 15:27 104 1.04 0.10 85 Boron mg/L 115 Calcium 50.1 mg/L 1.0 100 85 115 5.04 mg/L 0.041 101 85 Iron 115

51.7

1.08

51.6

51.7

1.04

1.17

64.4

5.19

61.4

1.08

8 Sample Matrix Spike

mg/L

Qual	ifiers:
------	---------

Magnesium

Molybdenum

Magnesium

Molybdenum

Potassium

Sodium

Uranium

Lab ID:

Boron

Iron

Calcium

RL - Analyte Reporting Limit

B25071661-001BMS2

ND - Not detected at the Reporting Limit (RL)

85

85

85

85

85

70

70

70

70

70

Run: ICP205-B 250721A

115

115

115

115

115

130

130

130

130

130

103

108

103

103

104

109

104

103

103

108

1.0

0.10

1.0

1.0

0.10

0.050

0.041

0.0052

1.0

1.0

07/21/25 16:36

Prepared by Billings, MT Branch

**Work Order:** B25071629 **Report Date:** 08/01/25

Analyte		Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method:	E200.7									Batch:	R446190
Lab ID:	B25071661-001BMS2	8 S	ample Matrix	Spike			Run: ICP20	5-B_250721A		07/21	/25 16:36
Potassium	า		70.2	mg/L	1.0	103	70	130			
Sodium			174	mg/L	1.0	99	70	130			
Uranium			1.01	mg/L	0.10	101	70	130			
Lab ID:	B25071661-001BMSD	02 8 Sa	ample Matrix	Spike Dupli	cate		Run: ICP20	5-B_250721A		07/21	/25 16:37
Boron			1.21	mg/L	0.050	113	70	130	3.4	20	
Calcium			66.2	mg/L	1.0	107	70	130	2.7	20	
Iron			5.36	mg/L	0.041	106	70	130	3.2	20	
Magnesiu	m		63.5	mg/L	1.0	108	70	130	3.3	20	
Molybden	um		1.11	mg/L	0.0052	111	70	130	2.3	20	
Potassium	า		72.3	mg/L	1.0	107	70	130	2.9	20	
Sodium			176	mg/L	1.0	102	70	130	1.1	20	
Uranium			1.05	mg/L	0.10	105	70	130	3.6	20	
Method:	E200.7							Analy	/tical Ru	n: ICP205-B	_250723A
Lab ID:	ICV	3 C	ontinuing Ca	libration Ver	ification Standa	rd				07/23	/25 13:20
Boron			2.49	mg/L	0.10	100	95	105			
Iron			2.44	mg/L	0.040	98	95	105			
Molybden	um		2.51	mg/L	0.10	100	95	105			
Lab ID:	CCV	3 C	ontinuing Ca	libration Ver	ification Standa	<sup>-</sup> d				07/23	/25 15:21
Boron			2.50	mg/L	0.10	100	90	110			
Iron			2.46	mg/L	0.040	98	90	110			
Molybden	um		2.51	mg/L	0.10	100	90	110			
Method:	E200.7									Batc	h: 201686
Lab ID:	MB-201686	3 M	ethod Blank				Run: ICP20	5-B_250723A		07/23	/25 15:16
Boron			ND	mg/L	0.008						
Iron			ND	mg/L	0.02						
Molybden	um		ND	mg/L	0.003						
Lab ID:	LCS3-201686	3 La	aboratory Co	ntrol Sample	e		Run: ICP20	5-B_250723A		07/23	/25 15:17
Boron			1.04	mg/L	0.050	104	85	115			
Iron			5.15	mg/L	0.040	103	85	115			
Molybden	um		1.05	mg/L	0.0050	105	85	115			
Lab ID:	B25071614-001BMS3	3 S	ample Matrix	Spike			Run: ICP20	5-B_250723A		07/23	/25 15:25
Boron			2.13	mg/L	0.10	106	70	130			
Iron			10.4	mg/L	0.40	104	70	130			
Molybden	um		2.13	mg/L	0.050	106	70	130			
Lab ID:	B25071614-001BMSD	<b>3</b> 3 S	ample Matrix	Spike Dupli	cate		Run: ICP20	5-B_250723A		07/23	/25 15:26
Boron			2.14	mg/L	0.10	107	70	130	0.8	20	
DOIOII				<u> </u>			-				
Iron			10.5	mg/L	0.40	105	70	130	0.9	20	

Qualifiers:

RL - Analyte Reporting Limit

Prepared by Billings, MT Branch

Work Order: B25071629 **Report Date:** 08/01/25 Analyte Count Result Units RL %REC Low Limit High Limit **RPD RPDLimit** Qual E200.8 Analytical Run: ICPMS207-B 250721A Method: Lab ID: QCS 10 Initial Calibration Verification Standard 07/22/25 18:11 Aluminum 0.192 mg/L 0.020 96 90 110 Antimony 0.0392 mg/L 0.0050 98 90 110 Arsenic 0.0382 mg/L 0.0050 95 90 110 Chromium 0.0375 mg/L 0.010 94 90 110 0.010 0.0378 90 Copper mg/L 95 110 Lead 0.0367 mg/L 0.0010 92 90 110 90 0.0050 96 Manganese 0.191 mg/L 110 Silver 0.0188 0.0050 94 90 mg/L 110 Thallium 0.0399 0.0050 100 90 mg/L 110 Zinc 0.0378 mg/L 0.0050 95 90 110 Lab ID: CCV 10 Continuing Calibration Verification Standard 07/22/25 18:17 0.0485 0.020 97 90 Aluminum mg/L 110 Antimony 0.0495 mg/L 0.0050 99 90 110 0.0490 0.0050 Arsenic mg/L 98 90 110 Chromium 0.0483 mg/L 0.010 97 90 110 Copper 0.0472 mg/L 0.010 94 90 110 90 Lead 0.0485 mg/L 0.0010 97 110 0.0486 0.0050 97 90 110 Manganese mg/L Silver 0.0196 mg/L 0.0050 98 90 110 Thallium 90 0.0470 mg/L 0.0050 94 110 Zinc 0.0477 mg/L 0.0050 95 90 110 Method: E200.8 Batch: R446131 Run: ICPMS207-B\_250721A Lab ID: LRB 10 Method Blank 07/21/25 11:33 Aluminum ND mg/L 0.0006 ND mg/L Antimony 0.00004 Arsenic ND mg/L 0.00007 Chromium ND 0.0001 mg/L Copper ND mg/L 0.00005 Lead ND mg/L 0.00003 0.00003 Manganese ND mg/L Silver 3E-6 ND mg/L 0.0002 Thallium ND mg/L Zinc ND mg/L 0.001 Lab ID: LFB 10 Laboratory Fortified Blank Run: ICPMS207-B 250721A 07/21/25 11:57 0.0533 mg/L 85 Aluminum 0.020 107 115 Antimony 0.0507 mg/L 0.0050 101 85 115 85 Arsenic 0.0510 mg/L 0.0050 102 115 Chromium 0.0503 mg/L 0.010 101 85 115 Copper 0.0478 mg/L 0.010 96 85 115 0.0513 0.0010 103 85 Lead mg/L 115 Manganese 0.0516 mg/L 0.0050 103 85 115 Silver 0.0193 0.0050 96 85 mg/L 115 Thallium 0.0523 mg/L 0.0050 105 85 115

Qualifiers:

RL - Analyte Reporting Limit

Prepared by Billings, MT Branch

Work C	Order: B25071629							Report	Date:	: 08/01/25	
Analyte		Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method:	E200.8									Batch:	R44613
Lab ID:	LFB	10 Lal	boratory Fo	rtified Blank			Run: ICPM	S207-B_250721A		07/21	/25 11:57
Zinc			0.0502	mg/L	0.0050	100	85	115			
Lab ID:	B25071646-001BMS	10 Sa	mple Matrix	Spike			Run: ICPM	S207-B_250721A		07/22	/25 18:58
Aluminum	n		0.0508	mg/L	0.030	100	70	130			
Antimony	,		0.0498	mg/L	0.0010	100	70	130			
Arsenic			0.0552	mg/L	0.0010	99	70	130			
Chromiun	n		0.0480	mg/L	0.0050	96	70	130			
Copper			0.0456	mg/L	0.0050	91	70	130			
Lead			0.0488	mg/L	0.0010	98	70	130			
Mangane	se		0.0496	mg/L	0.0010	97	70	130			
Silver			0.0190	mg/L	0.0010	95	70	130			
Thallium			0.0419	mg/L	0.00050	84	70	130			
Zinc			0.0473	mg/L	0.010	91	70	130			
Lab ID:	B25071646-001BMSI	<b>D</b> 10 Sa	mple Matrix	Spike Dupl	icate		Run: ICPM	S207-B_250721A		07/22	/25 19:04
Aluminum	n		0.0521	mg/L	0.030	103	70	130	2.5	20	
Antimony	•		0.0513	mg/L	0.0010	103	70	130	3.1	20	
Arsenic			0.0568	mg/L	0.0010	103	70	130	2.9	20	
Chromiun	n		0.0492	mg/L	0.0050	98	70	130	2.4	20	
Copper			0.0472	mg/L	0.0050	94	70	130	3.5	20	
Lead			0.0493	mg/L	0.0010	99	70	130	0.9	20	
Mangane	se		0.0514	mg/L	0.0010	101	70	130	3.6	20	
Silver			0.0197	mg/L	0.0010	98	70	130	3.3	20	
				-							

0.00050

0.010

0.0440

0.0486

mg/L

mg/L

Qualifiers:

Thallium

Zinc

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)

70

70

88

130

130

4.9

2.7

20

20



Prepared by Billings, MT Branch

Work O	rder: B25071629							Repo	rt Date:	: 08/01/25	
Analyte		Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method:	E200.8							Analytic	al Run: I	CPMS208-B	_250725A
Lab ID:	QCS	5 Initi	al Calibratio	on Verifica	ation Standard					07/26	/25 03:42
Chromium	ı		0.0380	mg/L	0.010	95	90	110			
Copper			0.0373	mg/L	0.010	93	90	110			
Lead			0.0380	mg/L	0.0010	95	90	110			
Manganes	se		0.190	mg/L	0.0050	95	90	110			
Silver			0.0189	mg/L	0.0050	94	90	110			
Lab ID:	ccv	5 Cor	ntinuing Cal	ibration V	erification Standaı	rd				07/26	/25 08:03
Chromium	1		0.0471	mg/L	0.010	94	90	110			
Copper			0.0464	mg/L	0.010	93	90	110			
Lead			0.0487	mg/L	0.0010	97	90	110			
Manganes	se		0.0466	mg/L	0.0050	93	90	110			
Silver			0.0191	mg/L	0.0050	95	90	110			
Method:	E200.8									Batc	h: 201686
Lab ID:	MB-201686	5 Met	thod Blank				Run: ICPM	S208-B_250725	A	07/26	/25 08:26
Chromium	1		ND	mg/L	0.0005						
Copper			ND	mg/L	0.00009						
Lead			ND	mg/L	0.00004						
Manganes	se		0.00009	mg/L	0.00009						
Silver			ND	mg/L	5E-6						

Qualifiers:

RL - Analyte Reporting Limit

Prepared by Billings, MT Branch

**Work Order:** B25071629 **Report Date:** 08/01/25

Analyte		Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method:	E200.8							Analytica	l Run: I	CPMS209-B	_250723A
Lab ID:	QCS	2 Initi	al Calibration	on Verificat	ion Standard					07/25	/25 02:32
Antimony			0.0402	mg/L	0.0050	101	90	110			
Thallium			0.0367	mg/L	0.0050	92	90	110			
Lab ID:	CCV	2 Cor	ntinuing Cal	libration Ve	rification Standar	·d				07/25	/25 06:53
Antimony			0.0500	mg/L	0.0050	100	90	110			
Thallium			0.0464	mg/L	0.0050	93	90	110			
Method:	E200.8									Batc	h: 201686
Lab ID:	MB-201686	10 Met	hod Blank				Run: ICPMS	S209-B_250723A	١	07/25	/25 03:10
Aluminum			ND	mg/L	0.002						
Antimony			ND	mg/L	0.00002						
Arsenic			ND	mg/L	0.00003						
Chromium	l		ND	mg/L	0.0003						
Copper			ND	mg/L	0.0001						
Lead			ND	mg/L	0.00002						
Manganes	e		ND	mg/L	0.00007						
Silver			ND	mg/L	5E-6						
Thallium			ND	mg/L	0.00008						
Zinc			0.001	mg/L	0.001						
Lab ID:	LCS4-201686	10 Lab	oratory Co	ntrol Sampl	e		Run: ICPM	S209-B_250723A		07/25	/25 03:15
Aluminum			0.453	mg/L	0.010	91	85	115			
Antimony			0.0985	mg/L	0.0050	99	85	115			
Arsenic			0.0912	mg/L	0.0010	91	85	115			
Chromium	l		0.0900	mg/L	0.0010	90	85	115			
Copper			0.0898	mg/L	0.0010	90	85	115			
Lead			0.0909	mg/L	0.0010	91	85	115			
Manganes	e		0.450	mg/L	0.0010	90	85	115			
Silver			0.00912	mg/L	0.0050	91	85	115			
Thallium			0.0947	mg/L	0.0010	95	85	115			
Zinc			0.0910	mg/L	0.0020	91	85	115			
Lab ID:	B25071642-001DMS4	10 Sar	nple Matrix	Spike			Run: ICPM	S209-B_250723A		07/25	/25 07:36
Aluminum			0.725	mg/L	0.030	103	70	130			
Antimony			0.103	mg/L	0.0010	103	70	130			
Arsenic			0.0967	mg/L	0.0010	91	70	130			
Chromium	l		0.0887	mg/L	0.0050	88	70	130			
Copper			0.0889	mg/L	0.0050	88	70	130			
Lead			0.0932	mg/L	0.0010	93	70	130			
Manganes	e		0.496	mg/L	0.0010	87	70	130			
Silver			0.00921	mg/L	0.0010	92	70	130			
Thallium			0.0968	mg/L	0.00050	97	70	130			
Zinc			0.0886	mg/L	0.010	86	70	130			
		4 40 0									
Lab ID:	B25071642-001DMSD	10 Sar	nple Matrix	Spike Dup	licate		Run: ICPMS	S209-B_250723A	١	07/25	/25 07:42

Qualifiers:

RL - Analyte Reporting Limit



Prepared by Billings, MT Branch

Work Order: B25071629 Report Date: 08/01/25

Analyte		Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method:	E200.8									Batcl	h: 201686
Lab ID:	B25071642-001DMSD	<b>4</b> 10 Sa	mple Matrix	Spike Dupli	cate		Run: ICPMS	S209-B_250723 <i>F</i>	A	07/25/	25 07:42
Antimony			0.0994	mg/L	0.0010	99	70	130	3.4	20	
Arsenic			0.0978	mg/L	0.0010	92	70	130	1.1	20	
Chromium			0.0895	mg/L	0.0050	89	70	130	0.9	20	
Copper			0.0899	mg/L	0.0050	89	70	130	1.1	20	
Lead			0.0908	mg/L	0.0010	91	70	130	2.6	20	
Manganes	е		0.501	mg/L	0.0010	88	70	130	1.1	20	
Silver			0.00895	mg/L	0.0010	89	70	130	2.8	20	
Thallium			0.0938	mg/L	0.00050	94	70	130	3.2	20	
Zinc			0.0896	mg/L	0.010	87	70	130	1.1	20	
Method:	E200.8							Analytica	l Run: I	CPMS209-B	_250728 <i>F</i>
Lab ID:	QCS	3 Ini	tial Calibratio	on Verification	on Standard					07/29/	/25 00:14
Aluminum			0.196	mg/L	0.020	98	90	110			
Arsenic			0.0382	mg/L	0.0050	96	90	110			
Zinc			0.0384	mg/L	0.0050	96	90	110			
Lab ID:	ccv	3 Cc	ontinuing Cal	ibration Ver	ification Standa	rd				07/29/	/25 00:19
Aluminum			0.0473	mg/L	0.020	95	90	110			
Arsenic			0.0498	mg/L	0.0050	99	90	110			
Zinc			0.0494	mg/L	0.0050	99	90	110			
Method:	E200.8									Batcl	h: 201686
Lab ID:	MB-201686	3 Me	ethod Blank				Run: ICPMS	S209-B_250728 <i>F</i>	A	07/29/	/25 01:30
Aluminum			ND	mg/L	0.002						
Arsenic			ND	mg/L	0.00003						
Zinc			ND	mg/L	0.001						

Qualifiers:

RL - Analyte Reporting Limit

Billings, MT 406.252.6325 • Casper, WY 307.235.0515 Gillette, WY 307.686.7175 • Helena, MT 406.442.0711

# **QA/QC Summary Report**

Prepared by Billings, MT Branch

Work Order: B25071629 Report Date: 08/01/25

Analyte		Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method:	E245.1							Analytic	al Run:	HGCV203-B_	_250721A
Lab ID:	ICV-201625	Initia	al Calibratio	n Verification	Standard					07/21/	25 15:09
Mercury			0.00211	mg/L	0.00010	106	90	110			
Lab ID:	CCV1	Con	itinuing Cali	bration Verifi	cation Standard	d				07/21/	/25 15:10
Mercury			0.00253	mg/L	0.00010	101	95	105			
Lab ID:	ccv	Con	itinuing Cali	bration Verifi	cation Standard	d				07/21/	/25 16:20
Mercury			0.00252	mg/L	0.00010	101	90	110			
Method:	E245.1									Batcl	h: 201655
Lab ID:	MB-201655	Met	hod Blank				Run: HGCV	203-B_250721 <i>F</i>	١	07/21/	25 16:12
Mercury			ND	mg/L	0.00006						
Lab ID:	LCS-201655	Lab	oratory Cor	itrol Sample			Run: HGCV	203-B_250721 <i>A</i>	٨	07/21/	/25 16:13
Mercury			0.00212	mg/L	0.00010	106	85	115			
Lab ID:	B25071652-003BMS	San	nple Matrix	Spike			Run: HGCV	′203-B_250721 <i>F</i>	<b>\</b>	07/21/	25 16:45
Mercury			0.00212	mg/L	0.00010	106	70	130			
Lab ID:	B25071652-003BMSE	<b>)</b> San	nple Matrix	Spike Duplica	ate		Run: HGCV	′203-B_250721 <i>F</i>	<b>\</b>	07/21/	25 16:46
Mercury			0.00210	mg/L	0.00010	105	70	130	8.0	30	

Qualifiers:

RL - Analyte Reporting Limit



Prepared by Billings, MT Branch

Work Order: B25071629							Repor	t Date	: 08/01/25	
Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E365.1							Analytic	al Run:	SEAL201-B	_250730A
Lab ID: ICV-198785	Init	tial Calibration	on Verification St	andard					07/30	/25 11:09
Phosphorus, Total as P		0.457	mg/L	0.0050	91	90	110			
Method: E365.1									Batc	h: 201855
Lab ID: MB-201855	Me	thod Blank				Run: SEAL	201-B_250730A		07/30	/25 11:12
Phosphorus, Total as P		ND	mg/L	0.002						
Lab ID: LCS-201855	Lal	boratory Co	ntrol Sample			Run: SEAL	201-B_250730A		07/30	/25 11:13
Phosphorus, Total as P		0.213	mg/L	0.0020	106	90	110			
Lab ID: B25071606-002FMS	Sa Sa	mple Matrix	Spike			Run: SEAL:	201-B_250730A		07/30	/25 11:16
Phosphorus, Total as P		0.170	mg/L	0.0020	85	90	110			S
Lab ID: B25071606-002FMS	<b>D</b> Sa	mple Matrix	Spike Duplicate			Run: SEAL	201-B_250730A		07/30	/25 11:17
Phosphorus, Total as P		0.167	mg/L	0.0020	84	90	110	2.0	10	S

### Work Order Receipt Checklist

#### Linkan Engineering

Login completed by: Laura M. Barlage

#### B25071629

Date Received: 7/18/2025

Reviewed by:	dharris		Rec	eived by: ET
Reviewed Date:	7/23/2025		Carri	ier name: FedEx NDA
Shipping container/cooler in	good condition?	Yes 🗸	No 🗌	Not Present
Custody seals intact on all sh	nipping container(s)/cooler(s)?	Yes ✓	No 🗌	Not Present
Custody seals intact on all sa	ample bottles?	Yes	No 🗌	Not Present ✓
Chain of custody present?		Yes √	No 🗌	
Chain of custody signed whe	en relinquished and received?	Yes ✓	No 🗌	
Chain of custody agrees with	sample labels?	Yes ✓	No 🗌	
Samples in proper container/	bottle?	Yes ✓	No 🗌	
Sample containers intact?		Yes ✓	No 🗌	
Sufficient sample volume for	indicated test?	Yes √	No 🗌	
All samples received within h (Exclude analyses that are co such as pH, DO, Res Cl, Su	onsidered field parameters	Yes	No 🗹	
Temp Blank received in all sh	nipping container(s)/cooler(s)?	Yes ✓	No 🗌	Not Applicable
Container/Temp Blank tempe	erature:	14.9°C Melted Ice		
Containers requiring zero heabubble that is <6mm (1/4").	adspace have no headspace or	Yes	No 🗌	No VOA vials submitted
Water - pH acceptable upon	receipt?	Yes 🗹	No 🗌	Not Applicable

#### **Standard Reporting Procedures:**

Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH, Dissolved Oxygen and Residual Chlorine, are qualified as being analyzed outside of recommended holding time.

Solid/soil samples are reported on a wet weight basis (as received) unless specifically indicated. If moisture corrected, data units are typically noted as –dry. For agricultural and mining soil parameters/characteristics, all samples are dried and ground prior to sample analysis.

The reference date for Radon analysis is the sample collection date. The reference date for all other Radiochemical analyses is the analysis date. Radiochemical precision results represent a 2-sigma Total Measurement Uncertainty.

For methods that require zero headspace or require preservation check at the time of analysis due to potential interference, the pH is verified at analysis. Nonconforming sample pH is documented as part of the analysis and included in the sample analysis comments.

Trip Blanks and/or Blind Duplicate samples are assigned the earliest collection time for the associated requested analysis in order to evaluate the holding time unless specifically indicated.

#### **Contact and Corrective Action Comments:**

The sample for orthophosphate was received past the 48 hour holding time. Proceed past hold per email from Adam Billin, LSC 08/08/25

#### Laboratory Certifications and Accreditations

Current certificates are available at <a href="www.energylab.com">www.energylab.com</a> website:

	Agency	Number
	Alaska	17-023
	California	3087
	Colorado	MT00005
	Department of Defense (DoD)/ISO17025	ADE-2588
Billings, MT	Florida (Primary NELAP)	E87668
	Idaho	MT00005
d	Louisiana	05079
ANAB	Montana	CERT0044
ANSI National Accreditation Board  A C C R E D I T E D	Nebraska	NE-OS-13-04
TESTING LABORATORY	Nevada	NV-C24-00250
ACCRE	North Dakota	R-007
ALCON TO THE	National Radon Proficiency	109383-RMP
TNI	Oregon	4184
BORATON	South Dakota	ARSD 74:04:07
	Texas	TX-C24-00302
	US EPA Region VIII	Reciprocal
	USDA Soil Permit	P330-20-00170
	Washington	C1039
	Alaska	20-006
	California	3021
	Colorado	WY00002
	Florida (Primary NELAP)	E87641
	Idaho	WY00002
Casper, WY	Louisiana	05083
cusper, vv r	Montana	CERT0002
SUAP ACCREDIA	Nebraska	NE-OS-08-04
TNI	Nevada	NV-C24-00245
CABORATON'S	North Dakota	R-125
	Oregon	WY200001
	South Dakota	WY00002
	Texas	T104704181-23-21
	US EPA Region VIII	WY00002
	USNRC License	49-26846-01
	Washington	C1012
Gillette, WY	US EPA Region VIII	WY00006
	Colorado	MT00945
Helena, MT	Montana	CERT0079
	Nevada	NV-C24-00119
	US EPA Region VIII	Reciprocal
	USDA Soil Permit	P330-20-00090







# BOTTLE ORDER 193747

SHIPPED Linkan Engineering TO:

400 Corporate Circle, Suite H

Contact: Chris Prosper

Golden CO 80401 (719) 247-0564

Phone:

To report an issue with this order, view Safety Data Sheets, or let us know how we are doing, scan here or go to energylab.com/contact-us

Shipped From: Billings, MT Ship Date: 4/17/2025

Order Created by: Yvonna E. Smith

VIA: Ground

Quote Used: 17287

Schwartzwalder Mine - Table 2B Project:

	Bottles			Critical Hold			Num
Bottle Size/Type	Samp	Method	Tests	Time	Preservative	Notes	Samp

Table 2B Quarterly ( 4 Sets)	( 4 Set	(s)					
120 mL Plastic	1 E365.1		Low Level Phosphorus, Orthophosphate 48.00 hrs as P	48.00 hrs		Filter Sample	-
1 Liter Plastic	1 A2	1 A2320 B	Alkalinity to pH 4.5				-
	A4	500-0 G	A4500-O G Oxygen, Dissolved	0.25 hrs			
	E3	E300.0	Anions by Ion Chromatography				
	A2	A2540 C	Solids, Total Dissolved				
1 Liter Plastic Wide Mouth	1 A2	A2540 D	Solids, Total Suspended			Fill to the neck of the container.	-
250 mL Plastic	1 E2	8_7.00	E200.7_8 Metals by ICP/ICPMS, Dissolved		HNO3	Filter before preservation	-
	E2	E245.1	Mercury, Dissolved		ä		
	E2	E245.1	Mercury Digestion by E245.1	2)			
250 mL Plastic	1 E2	E200.7_8	Metals by ICP/ICPMS, Total		HNO3		-
	E2	E245.1	Mercury, Total				
	E2	E200.2	Metals Digestion by E200.2				
	E2	E245.1	Mercury Digestion by E245.1			y-" 1	

1 of 2

250 mL Plastic	1 E353.2	Nitrogen, Nitrate + Nitrite	H2SO4		-
	E365.1	E365.1 Digestion, Total P			
	E365.1	Low level Phosphorus, Total			
500 mL Amber Plastic	1 Kelada-01 Cyanide,	Cyanide, Weak Acid Dissociable	NaOH		-
500 mL Plastic	1 E900.0	Gross Alpha, Gross Beta, Total	HNO3		1
1 Gallon Plastic	1 E903.0	Radium 226, Dissolved	HNO3	Filter before preservation	1
1 Gallon Plastic	1 A7500-RA	A7500-RA Radium 226 + Radium 228	HNO3	This now only requires one (1) 15mL	-
	E903.0	Radium 226, Total		nitric acid vial for preservation.	
	RA-05	Radium 228, Total			

# Comments

HNO3 - Nitric Acid H2SO4 - Sulfuric Acid NaOH - Sodium Hydroxide	We strongly suggest that the samples are
ZnAc - Zinc Acetate HCI - Hydrochloric Acid H3PO4 - Phosphoric Acid	shipped the same day as they are collected.
Material Safety Data Sheets(MSDS) Available @ EnergyLab.com -> Services -> MSDS Sheets	
Comosive Chemicals: Nitric, Sulfuric, Phosphoric, Hydrochloric Acids and Sodium Hydroxide. Zinc Acetate is a skin infant.	
Subcontracting of sample analyses to an outside laboratory may be required. If so, Energy Laboratories will utilize its branch laboratories or qualified contract laboratories for this service. Any such laboratories will be indicated within the Laboratory Analytical Report.	atories or qualified contract laboratories for this service. Any such



# **ATTACHMENT 2**DAILY REPORTS



				Lead O	perator:	Brya	ant A
Report Date:		8/1/2025		Assistant (	Operator(s):		
Effluent Di	ischarged:	0.430 Mg	ıal	MW-18	B Level:	202.3 ft	85.0 ft
Average		103.0 gp		Transdu	cer Level:	222.8 ft	73.2 ft
Effluent	to Date:	10.714 Mg	gal	(Field	d Reading   Va	lue below 1	50')
	рН				Flowra	te	
9.5				250			
9				200			
8				150			
7.5				100			
6.5				50			
6 5.5				0			
0:00 12:00	0:00 12:00	0:00 12:00	0:00	0:00 12:0	0 0:00 12:00	0 0:00 1	12:00 0:00
	Compliana				Finished Wate	er Quality	
£ 0	Complianc	e Level		Parameters	Temp	рН	Cond
20 evel				Values	20°C	7.67	189 μS/cm
Opth below 150' Steve Level (ft) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0					Chemical In	ventory	
S ,0 60				Chemicals	Antiscalant	NaOH	BaCl
08 W				Vol. Used	10 Gal	32 Gal	8 Gal
100				Vol. Remaining	236 Gal	176 Gal	50 Gal
de 3-Apr	23-May	12-Jul	31-Aug	Vol. Staged	460 Gal	135 Gal	80 Gal
<u> </u>	Transducer Leve	<b>─</b> MW-18		Days Available	70 Days	10 Days	16 Days

#### Safety Issues/Concerns:

- N/A

#### Notes:

Collected Outfall 001A Weekly TSS Sample.



						Lead O	perator:	Bry	ant A
Rep	ort Date:		8/4/2025		As	sistant C	perator(s):		
E	ffluent Di	ischarged:	0.143 Mg	gal		MW-18	B Level:	203.0 ft	85.7 ft
	Average	Flowrate:	102.8 gp	om	٦	ransduc	er Level:	221.5 ft	74.5 ft
	Effluent	to Date:	10.857 M	lgal		(Field	l Reading   Val	lue below 1	50')
		рН					Flowra	te	
9.5					250				
9					200				
8.5					150				
7.5					100				
6.5					50				
5.5					0				
0:0	0 4:48	9:36 1	4:24 19:12	0:00	0:0	00 4:4	48 9:36	14:24 19	:12 0:00
		Osmanlisma					Finished Wate	er Quality	
(#)	0	Complianc	e Level		Para	meters	Temp	рН	Cond
evel 2			_		Va	alues	20°C	7.6	189 μS/cm
Depth below 150' Steve Level (ft)							Ob ansia al lu		
50'St		2			Cho	micals	Chemical In Antiscalant	NaOH	BaCl
3w 15						. Used	6 Gal	11 Gal	5 Gal
belov						emaining	228 Gal	144 Gal	40 Gal
d 10	0 └─── 3-Apr	23-May	12-Jul	31-Aug		Staged	460 Gal	135 Gal	80 Gal
De	-	Transducer Leve		- 0		ailable	115 Days	25 Days	24 Days

#### Safety Issues/Concerns:

- N/A

#### Notes:

- Collected Outfall 001A Weekly TSS Sample.
- Collected and Shipped Outfall 001A Quarterly WET Sample.
- Raised VFD Mine Pump Hertz from 47.1Hz too 47.2Hz.



					Lead O	perator:	Bry	ant A
Report Date:		8/5/2025		As	sistant C	perator(s):		
Effluent D	ischarged:	0.144	Mgal		MW-18	B Level:	203.4 ft	86.1 ft
Average	Flowrate:	102.8	gpm	-	Fransduc	er Level:	221.0 ft	75.0 ft
Effluent	to Date:	11.001	Mgal		(Field	l Reading   Va	lue below 1	50')
	рН					Flowra	ite	
9.5				250				
9				200				
8				150				
7.5				100				
6.5				50				
6				0				
0:00 4	:48 9:36	14:24 19:	12 0:00	0:0	00 4:4	48 9:36	14:24 19	:12 0:00
	0 1:					Finished Water	er Quality	
€ 0	Complianc	e Level		Para	meters	Temp	рН	Cond
20 ese	3			V	alues	20°C	7.36	190 μS/cm
9 40								
Ste	2			01		Chemical In		
09 120	7				micals	Antiscalant	NaOH	BaCl
Depth below 150' Steve Level (ff) 0					. Used	5 Gal	10 Gal	4 Gal
\$ 100					emaining	221 Gal	133 Gal	35 Gal
3-Apr	23-May	12-Jul	31-Aug		Staged	460 Gal	135 Gal	80 Gal
-	Transducer Level	MW-18			ailable	136 Days	26 Days	29 Days

#### Safety Issues/Concerns:

- N/A

#### Notes:

- Collected and Delivered Outfall 001A Quarterly WET Sample.



				Lead O	perator:	Bry	ant A
Report Date:		8/6/2025		Assistant C	Operator(s):		
Effluent D	ischarged:	0.144	Mgal	MW-18	B Level:	204.0 ft	86.7 ft
Average	Flowrate:	103.0	gpm	Transduc	cer Level:	220.6 ft	75.4 ft
Effluent	to Date:	11.145	5 Mgal	(Field	l Reading   Va	lue below 1	50')
	рН				Flowra	ite	
9.5				250			
9				200			
8.5	8			150			
7.5				100		_	
6.5				50			
6							
0:00 4	:48 9:36	14:24 19:	12 0:00	0:00 4:	48 9:36	14:24 19	:12 0:00
					Finished Water	er Quality	
£ 0	Complianc	e Level		Parameters	Temp	рН	Cond
evel (	3			Values	20°C	7.4	189 μS/cm
§ 20 e 20							
Stev 40	2				Chemical In		
Oepth below 150' Steve Level (ff) 0 80 80 9.4 Abr	7			Chemicals	Antiscalant	NaOH	BaCl
<u>%</u> 80				Vol. Used	3 Gal	12 Gal	3 Gal
ਰ ਪ੍ਰੀ 100				Vol. Remaining	217 Gal	122 Gal	30 Gal
3-Apr	23-May	12-Jul	31-Aug	Vol. Staged	460 Gal	135 Gal	80 Gal
-	<b>─</b> Transducer Leve	MW-18	3	Days Available	226 Days	22 Days	37 Days

#### Safety Issues/Concerns:

- N/A

#### Notes:

- Collected and Delivered Outfall 001A Quarterly WET Sample.
- Collected and Shipped Outfall 001A Weekly TSS & COD Samples.
- Filled up the High pH CIP Tote with RO#2 Permeate for RO cleaning. This caused pH too spike and a Flow drop. Still within Operating Perameters.



				Lead O	perator:	Ch	ris P
Report Date:		8/7/2025		Assistant C	)norotor(a):	Patr	rick D
				Assistant C	operator(s).	Bry	ant A
Effluent D	ischarged:	0.146 N	/lgal	MW-18	B Level:	204.1 ft	86.8 ft
	Flowrate:	104.6 g	gpm	Transduc	cer Level:	220.1 ft	75.9 ft
	to Date:	11.291		(Field	l Reading   Va	lue below 1	50')
	рН				Flowra	te	
0.5	1.			250			
9.5							
8.5				200			
8				150			
7.5				100			
7	•			100			
6.5				50			
5.5				0			
	:48 9:36	14:24 19:12	2 0:00	0:00 4:	48 9:36	14:24 19	:12 0:00
	0 !:				Finished Water	er Quality	
€ 0	Complianc	e Level		Parameters	Temp	рН	Cond
evel (	3			Values	20°C	7.47	190 μS/cm
9 20 <u>9</u>							
Stev 40	2				Chemical In	ventory	
09 00				Chemicals	Antiscalant	NaOH	BaCl
Opth below 150' Steve Level (ft) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0				Vol. Used	3 Gal	16 Gal	4 Gal
g 100				Vol. Remaining	214 Gal	110 Gal	27 Gal
3-Apr	23-May	12-Jul	31-Aug	Vol. Staged	460 Gal	135 Gal	80 Gal
-	<b>─</b> Transducer Leve	MW-18		Days Available	225 Days	15 Days	27 Days

#### Safety Issues/Concerns:

- N/A

#### Notes:

- Joel from Denver Winpump onsite , replaced RO#1 Feed Pump Mechanical Seal. Flushed RO#1 and started running it for 15min to check for any Leaks. Found No Leaks.
- Will Scott Company onsite. Fixed hole in office trailer wall. Installed new piece of drywall and resealed the window.
- Transferred 127 gallons of 50% NaOH. Rinsed Transfer Pump causing slight pH spiek and Flow drop. Still within Operating Perameters.
- Prepped 2 gallons of 50% NaOH for High pH CIP on RO#1.

NOTE: The level graph has been adjusted to show field readings relative to the water level below the compliance elevation (150' below the Steve Adit - 6459' ASL). Data from 5/1/2025 to 6/5/2025 was recorded using an atmospheric transducer with a 500-ft cable, installed at the end of the 2024 season and remained in place over the winter. On 6/6/2025, it was replaced with an absolute transducer with a 600-ft cable at a lower depth. A 77.1-ft difference in readings was observed. While some of

offset may be a result from the deeper installation and transducer type, the old data's accurate to the atmospheric vent, which may have allowed moisture intrusion.





			Lead O	perator:	Ch	ris P
Report Date:		8/8/2025	Assistant (	Operator(s):	Pati	rick D
			Assistant	operator(s).	Bry	ant A
Effluent D	ischarged:	0.708 Mgal	MW-18	B Level:	204.2 ft	86.9 ft
Average	Flowrate:	168.9 gpm	Transduc	cer Level:	219.5 ft	76.5 ft
Effluent	to Date:	11.999 Mgal	(Field	d Reading   Va	lue below 1	50')
	рН			Flowra	te	
9.5			250			
9			200			
8.5			200			
8			150			
7.5			100			
6.5			50			
6			30			
5.5			0 100			
0:00 12:0	00 0:00 12:0	00 0:00 12:00 0:00	0:00 12:0			12:00 0:00
	Compliance	o Lovol		Finished Water	er Quality	
£ 0	Complianc	e Level	Parameters	Temp	рН	Cond
20			Values	21°C	7.81	180 µS/cm
9 40						
Ste	2			Chemical In		D 01
09 00			Chemicals	Antiscalant	NaOH	BaCl
08 elow			Vol. Used	11 Gal	58 Gal	5 Gal
Depth below 150' Steve Level (ff)  0	00 Marri	40 1.1	Vol. Remaining	211 Gal	222 Gal	50 Gal
G 3-Apr	23-May	12-Jul 31-Aug	Vol. Staged	460 Gal	135 Gal	50 Gal
-	<b>─</b> Transducer Level	MW-18	Days Available	61 Days	6 Days	20 Days

## Safety Issues/Concerns:

- N/A

#### Notes:

- Performed high pH CIP on RO#1. Flushed RO and brought 2 ROs online at around 9:40 AM on 8/8/25.
- Samples Outfall 001A TSS
- Batch 30 gal of BaCl
- Onsite Monthly meeting with Peter Hays.
- A suspected power issue occurred onsite on 8/10 at around 13:30. Plant was still running however there were issues with the Antiscalant and BaCl pump not operatoring. The plant was remotely shutdown at around 16:06 since chemical dosing was unable to be confirmed.



				Lead O	perator:	Ch	Chris P	
Report Date:	1	8/11/2025		Assistant (	Operator(s):	Pati	rick D	
				7 (50)				
Effluent D	ischarged:	0.144 N	Mgal	MW-18	8 Level:	206.5 ft	89.2 ft	
Average	Flowrate:	102.6 (			cer Level:	215.9 ft	80.1 ft	
Effluent	to Date:	12.143	Mgal	(Field	d Reading   Va	lue below 1	50')	
	рН				Flowra	ite		
9.5				250				
9				200				
8.5	9			150				
7.5	2	ا						
7				100				
6.5				50				
5.5				0				
	:48 9:36	14:24 19:12	2 0:00	0:00 4:	48 9:36	14:24 19	:12 0:00	
	0				Finished Water	er Quality		
€ 0	Complianc	e Level		Parameters	Temp	рН	Cond	
evel 20	3			Values	22°C	7.53	182 μS/cm	
9 40 eve								
Ste	2				Chemical In		D 01	
09 09	7			Chemicals	Antiscalant	NaOH	BaCl	
08 elow				Vol. Used Vol. Remaining	3 Gal 200 Gal	11 Gal 163 Gal	4 Gal 45 Gal	
Depth below 150' Steve Level (ff)  0	23-May	12-Jul	 31-Aug	Vol. Remaining  Vol. Staged	460 Gal	780 Gal	45 Gal 160 Gal	
D S-Ahi	≥3-May  — Transducer Level		o1-Aug	Days				
	- Fransducer Level	MW-18		Available	220 Days	83 Days	51 Days	

## Safety Issues/Concerns:

- N/A

#### Notes:

- A suspected power issue occurred onsite on 8/10 at around 13:30. The plant was remotely shutdown at around 16:06 on 8/10 since chemical dosing was unable to be confirmed.
- Performed investigation and determined there was an issue with the analog input board of the RO PLC. Unable to operate the antiscalant and BaCl dosing in auto. Had issue with RO#2 E-stop not being cleared. Started RO #1 at 11:06. Troubleshooted RO#2 and able to start it up at 12:52. Brief shutdown (15 mins) of RO#2 for E-stop issue while trying to troubleshoot RO PLC Analog Output boards. Restarted RO#2 by 14:03
- Received delivery of 3x caustic totes and 1x 110 lbs drum of BaCl



					Lead O	perator:		Ch	ris P
Report Date:		8/12/2025		As	ssistant C	) perator(s):		Patı	rick D
				7 10		, porator (0).			
Effluent D	ischarged:	0.287	Mgal		MW-18	B Level:		207.6 ft	90.3 ft
Average	Flowrate:	205.4	gpm			er Level:		212.6 ft	83.4 ft
Effluent	to Date:	12.430	Mgal		(Field	d Reading	Val	ue below 1	50')
	рН					Flo	wra	te	
9.5				250					
9				200			4,,,,,,,		Manufacture and the second
8.5				200					
8				150					
7.5				100					
6.5				50					
6									
5.5				0	00 4:4	48 9:36		14:24 19	:12 0:00
0:00 4	:48 9:36	14:24 19:1	12 0:00	0.	00 4.4				.12 0.00
	Complianc	ا میرما				Finished V	Vate		
€ 0	Computation	CLCVCt		Para	ameters	Temp		рН	Cond
) see 20				V	'alues	21°C		7.55	192 µS/cm
9 40									
Ste	2					Chemica			D 01
150'					emicals	Antiscala	nt	NaOH	BaCl
80					,mnbv /	5 Gal		23 Gal	2 Gal
Depth below 150' Steve Level (ff)  0 50 40  0 80  3-Apr	00.14	40.1.1	- 01.4		Remaining	197 Ga	-	152 Gal	41 Gal
3-Apr	23-May	12-Jul	31-Aug		Staged	460 Ga	<u> </u>	780 Gal	160 Gal
-	<b>—</b> Transducer Level	MW-18			Days ailable	131 Day	s	41 Days	101 Days

# Safety Issues/Concerns:

- N/A

#### Notes:

- Collected and Shipped Table 1 Bi-weekly and Minepool Quarterly Samples.



				L	Lead O	perator:	Brya	ant A
Report Date:	1	8/13/2025		Assi	istant O	perator(s):		
Effluent D	ischarged:	0.174 N	/lgal		MW-18	Level:	209.4 ft	92.1 ft
Average	Flowrate:	124.7 g		Tr	ansduc	er Level:	208.7 ft	87.3 ft
Effluent	to Date:	12.604 N	Mgal		(Field	l Reading   Va	lue below 1	50')
	рН					Flowra	te	
9.5				250				
9				200				
8.5				150				
7.5				100				
6.5				50				
6								
0:00 4	:48 9:36	14:24 19:12	2 0:00	0:00	4:4	18 9:36	14:24 19:	:12 0:00
	0					Finished Wate	er Quality	
<del>2</del> 0	Complianc	e Level		Param	neters	Temp	рН	Cond
vel (f	3 ~			Valu	ues	21°C	7.67	180 µS/cm
6 Z0								
Stew 40	2					Chemical In		
Depth below 150' Steve Level (ff)  0 50 40  0 80  3-Apr	7			Chem		Antiscalant	NaOH	BaCl
08 0				Vol. l		12 Gal	14 Gal	19 Gal
100				Vol. Rer	_	192 Gal	129 Gal	39 Gal
3-Apr	23-May	12-Jul	31-Aug	Vol. S	taged	460 Gal	1040 Gal	160 Gal
_	<b>─</b> Transducer Level	MW-18		Da Avail		54 Days	84 Days	10 Days

## Safety Issues/Concerns:

- N/A

#### Notes:

- Collected and Shipped Outfall 001A Weekly TSS & COD Samples.
- Plant Shut OFF at 14:37. Suspected to be due to Mine Pump VFD Overheating. Dirty Fan Filters may have caused this issue. Filters have been replaced with new ones.
- Plant Started Up with 2 RO's on 8/14/25 @ 09:18.



				Lead C	perator:	Ch	ris P
Report Date:	;	8/14/2025		Assistant (	Operator(s):	Bry	ant A
Effluent D	ischarged:	0.176 N	1gal	MW-1	8 Level:	210.6 ft	93.3 ft
Average	Flowrate:	126.3 g	pm	Transdu	cer Level:	208.9 ft	87.1 ft
Effluent	to Date:	12.780 N	Иgal	(Fiel	d Reading   Va	lue below 1	50')
	рН				Flowra	te	
9.5				250			
9				200	1	T	
8.5				150	<u>'</u>		
7.5	,\ <u>-</u>	::					
7				100			
6.5				50			
5.5				0			
	:48 9:36	14:24 19:12	0:00	0:00 4	:48 9:36	14:24 19	:12 0:00
	Campliana	o Lovel			Finished Water	er Quality	
£ 0	Complianc	e Level		Parameters	Temp	рН	Cond
vel (1				Values	21°C	7.81	184 μS/cm
e Le							
Stev	2				Chemical In		D 01
120,				Chemicals	Antiscalant	NaOH	BaCl
80				Vol. Used	10 Gal	14 Gal	7 Gal
Depth below 150' Steve Level (ff)  0 50 40  0 80  3-Apr	23-May	12-Jul	31-Aug	Vol. Remaining Vol. Staged	180 Gal 460 Gal	115 Gal 905 Gal	20 Gal 130 Gal
Deptt 3-Apr	∠3-I*lay	1∠-Jul	31-Aug		400 Gal	ang Gal	
-	Transducer Level	MW-18		Days Available	64 Days	72 Days	21 Days

## Safety Issues/Concerns:

- N/A

#### Notes:

- Plant Start Up @ 09:30.
- Transferred 135 gallons of 50% NaOH. Washed Transfer pump using RO#1 Permeate. This caused pH too spike and Flow to drop. Still within Operating Perameters.
- Batcehd 30 gallons of BaCl.
- Replaced VFD Mine Pool Fan Filters.



					Lead O	perator:	Bry	ant A
Report Date:		8/15/2025		As	sistant C	perator(s):		
Effluent Di	scharged:	0.85	4 Mgal		MW-18	B Level:	211.9 ft	94.6 ft
Average	Flowrate:	204.	9 gpm	•	Transduc	er Level:	205.9 ft	90.1 ft
Effluent	to Date:	13.63	34 Mgal		(Field	d Reading   Val	ue below 1	50')
	рН					Flowra	te	
9.5				250				
9				200				
8.5				150				
7.5				100				
6.5				50				
6				0				
5.5 0:00 12:0	00 0:00 12:0	00:00	12:00 0:00	0:0	00 12:00	0 0:00 12:00	0:00 1	2:00 0:00
	Compliana	ا میرما				Finished Water	er Quality	
€ 0	Complianc	e Level		Para	meters	Temp	рН	Cond
vel (f	3			V	alues	20°C	7.3	183 μS/cm
e Le								
Stev	2					Chemical In		
Depth below 150' Steve Level (ff)  0					micals	Antiscalant	NaOH	BaCl
%0 80					l. Used	17 Gal	70 Gal	8 Gal
a 100					Remaining	170 Gal	230 Gal	50 Gal
3-Apr	23-May	12-Jul	31-Aug		Staged	460 Gal	905 Gal	130 Gal
-	—Transducer Level	MW-:	18		Days ailable	37 Days	16 Days	23 Days

## Safety Issues/Concerns:

- N/A

### Notes:

- -Collected Outfall 001A Weekly TSS Sample.
- Raised VFD Hertz from 59.4Hz to 59.5Hz.



					Lead O <sub>l</sub>	perator:	Bryant A	
Report Date:	·	8/18/2025		Ass	sistant C	perator(s):		
Effluent D	ischarged:	0.281 Mg	al		MW-18	Level:	217.3 ft	100.0 ft
Average	Flowrate:	204.1 gpr		Т	ransduc	er Level:	197.2 ft	98.8 ft
Effluent	to Date:	13.915 Mg	gal		(Field	l Reading   Va	lue below 1	50')
	рН					Flowra	te	
9.5				250				
9				200				
8.5				150				
7.5				100				
6.5				50 –				
6								
0:00 4	:48 9:36	14:24 19:12	0:00	0:00	0 4:4	18 9:36	14:24 19	:12 0:00
	0					Finished Wate	er Quality	
<del>2</del> 0	Complianc	e Level		Parar	neters	Temp	рН	Cond
) le 20				Val	lues	21°C	7.5	179 μS/cm
9 40								
Stev 60						Chemical In		
Depth below 150' Steve Level (ff)  Depth below 150' Steve Level (ff)  Depth below 150' Steve Level (ff)  Approximately 20 Steve Level (ff)  Approximately 20 Steve Level (ff)  Approximately 20 Steve Level (ff)			_		nicals	Antiscalant	NaOH	BaCl
≥ 100					Used	7 Gal	23 Gal	3 Gal
120					emaining	152 Gal	161 Gal	42 Gal
3-Apr	23-May	12-Jul	31-Aug		Staged	460 Gal	905 Gal	130 Gal
-	Transducer Level	<b>──</b> MW-18			ays ilable	87 Days	46 Days	57 Days

## Safety Issues/Concerns:

- N/A

### Notes:

- -Collected Outfall 001A Weekly TSS Sample.
- Raised VFD Pump Hertz from 59.5Hz to 59.78Hz.
- Prepped Cartridge Filter Area for Cartridge Filter replacement.



				Lead O	perator:	Bry	ant A
Report Date:	1	8/19/2025		Assistant C	Operator(s):		
Effluent D	ischarged:	0.283 Mgal		MW-18	B Level:	219.2 ft	101.9 ft
Average	Flowrate:	204.0 gpm		Transduc	cer Level:	194.7 ft	101.3 ft
Effluent	to Date:	14.198 Mgal		(Field	d Reading   Va	lue below 1	50')
	рН				Flowra	te	
9.5			_	250			
9			-	200			
8.5				150			
7.5			<b>100</b>	100			
6.5			-	50			
5.5				0			
	:48 9:36	14:24 19:12	0:00	0:00 4:	48 9:36	14:24 19	:12 0:00
	Compliano	o Lovol			Finished Wate	er Quality	
£ 0	Complianc	e Level		Parameters	Temp	рН	Cond
<u>)</u> 20				Values	20°C	7.48	179 µS/cm
9 40						•	
Ste 60	4			Chemicals	Chemical In		D-CI
08 0				Vol. Used	Antiscalant 12 Gal	NaOH 22 Gal	BaCl 3 Gal
<u>≥</u> 100				Vol. Osed Vol. Remaining	145 Gal	138 Gal	39 Gal
Optin Depth 20, Steve Level (ff) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	23-May	12-Jul 31-A	Πά	Vol. Remaining  Vol. Staged	460 Gal	905 Gal	130 Gal
Dep	─Transducer Level		.⊶p	Days Available	50 Days	48 Days	56 Days

## Safety Issues/Concerns:

- N/A

### Notes:

- -Collected Outfall 001A Bi-Weekly.
- Raised VFD Pump Hertz from 59.78Hz to 59.85Hz.



					Lead O	perator:	Bry	ant A
Report Date:	•	8/20/2025		Assistant Operator(s):				
Effluent D	ischarged:	0.28	1 Mgal		MW-18	B Level:	221.2 ft	103.8 ft
Average	Flowrate:	203.	8 gpm	•	Transduc	er Level:	192.2 ft	103.8 ft
Effluent	to Date:	14.47	'9 Mgal		(Field	d Reading   Va	lue below 1	50')
	рН					Flowra	nte	
9.5				250				
9				200				
8.5				150				
7.5				100				
6.5				50				
6				0				
0:00 4	:48 9:36	14:24 1	9:12 0:00	0:0	00 4:4	48 9:36	14:24 19	:12 0:00
	Osmanlisma	ا میرما				Finished Wat	er Quality	
€ 0	Complianc	e Level		Para	meters	Temp	рН	Cond
Steve Level (ff) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0				V	alues	20°C	7.24	179 μS/cm
9 40		3						
Stev 60						Chemical In		5.01
08 08					micals	Antiscalant	NaOH	BaCl
§ 100					l. Used	13 Gal	22 Gal	2 Gal
00 80 Month of the second of t					Remaining	133 Gal	116 Gal	36 Gal
3-Apr	23-May	12-Jul	31-Aug		Staged	460 Gal	905 Gal	130 Gal
-	<b>─</b> Transducer Level	<b>──</b> MW-1	18		Days ailable	46 Days	46 Days	83 Days

# Safety Issues/Concerns:

- N/A

#### Notes:

-Collected and Shipped Outfall 001A Weekly TSS & COD Samples.



	0/04/0005				Lead O	perator:	Patı	rick D
Report Date:	;	8/21/2025		Assistant Operator(s):			Bryant A	
Effluent D	ischarged:	0.386 M	gal		MW-18	B Level:	222.9 ft	105.6 ft
	Flowrate:	184.0 gj			Transduc	cer Level:	189.9 ft	106.1 ft
	to Date:	14.865 M			(Field	Reading   Va	lue below 1	50')
	рН					Flowra	te	
9.5				250				
9				200			1	
8.5				150			1	
7.5				100				
7				100				
6.5				50				
5.5				0				
	:48 9:36	14:24 19:12	0:00	0:	00 4:4	48 9:36	14:24 19	:12 0:00
	Campliana	o Lovel				Finished Water	er Quality	
æ o	Complianc	e Level		Para	meters	Temp	рН	Cond
1) 20 el (1)				V	alues	21°C	7.03	182 μS/cm
9 40								
Stev 60						Chemical In		
08 [20					micals	Antiscalant	NaOH	BaCl
Depth below 150' Steve Level (ff)  0 50 80 80 100 150 April 150 Ap					. Used	9 Gal	15 Gal	4 Gal
<u>a</u> 120					temaining	120 Gal	94 Gal	34 Gal
age 3-Apr	23-May	12-Jul	31-Aug		Staged	460 Gal	792 Gal	430 Gal
-	Transducer Level	MW-18			Days ailable	64 Days	61 Days	116 Days

## Safety Issues/Concerns:

- N/A

#### Notes:

- -Shut down Plant @ 07:15.
- Replaced Cartdrigde Filters on both RO's.
- Started Plant @ 10:35.
- Transferred 113 gallons of 50% NaOH.
- Received 6 bags of BaCl.
- 7 Empty Totes removed from Site.



			Lead O	perator:	Pat	rick D			
Report Date:		8/22/2025	Assistant C	Operator(s):	Bry	ant A			
Effluent D	ischarged:	0.834 Mgal	MW-18	B Level:	224.9 ft	107.6 ft			
Average		200.7 gpm	Transdu	cer Level:	187.9 ft	108.1 ft			
	to Date:	15.699 Mgal	(Field	(Field Reading   Value below 150')					
	рН			Flowra	te				
9.5			250						
9			200						
8.5			150						
7.5			130						
7.0			100						
6.5			50						
6									
5.5 0:00 12:0	00 0:00 12:0	00 0:00 12:00 0:00	0:00 12:0	0 0:00 12:00	0 0:00 1	12:00 0:00			
				Finished Water	er Quality				
(i) 0	Compliance	e Level	Parameters	Temp	pH	Cond			
el (#	3 -		Values	20°C	6.98	182 µS/cm			
A9 40				•					
90 e0				Chemical In	ventory				
08 20			Chemicals	Antiscalant	NaOH	BaCl			
Debth below 150' Steve Level (ff) 20 40 80 80 100 150' 3-Abr			Vol. Used	14 Gal	43 Gal	7 Gal			
<u>a</u> 120			Vol. Remaining	332 Gal	192 Gal	50 Gal			
3-Apr	23-May	12-Jul 31-Aug	Vol. Staged	230 Gal	770 Gal	400 Gal			
-	—Transducer Level	<b>─</b> MW-18	Days Available	40 Days	22 Days	64 Days			

## Safety Issues/Concerns:

- N/A

#### Notes:

- Transferred 22 gallons of 50% NaOH.
- Batched 20 gallons of BaCl.
- Replaced RO#1 Anti scalant tote with New Full Tote.
- Washed out 2x NaOH Totes and 1x Anti Scalant Tote using RO#1 Permeate. This caused Plant Flow too drop and pH too spike. Still within Operating Perameters.



		0/05/0005			Lead O	perator:	Bry	ant A
Report Date:		8/25/2025		As	sistant C	)perator(s):		
Effluent Dis	charged:	0.279	) Mgal		MW-18		230.2 ft	112.8 ft
Average F	lowrate:	200.4	1 gpm			er Level:	181.4 ft	114.6 ft
Effluent to	Date:	15.97	8 Mgal		(Field	l Reading   Va	lue below 1	50')
	рН			Flowrate				
9.5				250				
9				200			فالتدفيد الرواد المراجع	
8.5								
8				150				
7.5				100				
6.5				50				
6 5.5				0				
0:00 4:4	8 9:36	14:24 19	:12 0:00	0:	00 4:4	48 9:36	14:24 19	:12 0:00
	0	امريما				Finished Wat	er Quality	
	Complianc	e Level		Para	meters	Temp	рН	Cond
vel (f				V	alues	20°C	6.72	171 μS/cm
9 50	2							
Stev.						Chemical In		D 01
02100					micals	Antiscalant	NaOH	BaCl
low					l. Used	6 Gal	21 Gal	4 Gal
Depth below 150' Steve Level (ff) 20 21 20 4-b.	23-May	12-Jul	 31-Aug		Remaining Staged	318 Gal 230 Gal	149 Gal 770 Gal	43 Gal 400 Gal
Dept. 3-Apr	∠3-l⁴ldy	12-JUI	31-Aug			230 Gal		400 Gal
-	Transducer Leve	■ MW-18	8		Days ailable	91 Days	43 Days	111 Days

# Safety Issues/Concerns:

- N/A

#### Notes:

- Collected Outfall 001A Weekly TSS Sample.



Report Date: 8/26/2025			Lead Operator:		Bryant A				
			Assistant Operator(s):						
Effluent Discharged: 0.275 Mgal			MW-18 Level:		231.7 ft	114.4 ft			
Average F	Average Flowrate: 199.4 gpm		gpm	Transducer Level:		179.2 ft	116.8 ft		
Effluent t	o Date:	16.253	Mgal	(Field Reading   Value below 150')					
	рН			Flowrate					
9.5				250					
9				200					
8.5				200					
8				150					
7.5				100					
6.5				50					
6				30					
5.5				0:00 4:4	48 9:36	14:24 19	:12 0:00		
0:00 4:4	8 9:36	14:24 19:12	2 0:00	0.00 4.4			.12 0.00		
	Compliance Level				Finished Water Quality				
				Parameters	Temp	pH	Cond		
evel				Values	20°C	7.06	168 μS/cm		
0 thd 250. Steve Level (ff) 0 2-4 Level (ff) 3-Abr 2				Chemical Inventory					
\$ 100				Chemicals	Antiscalant	NaOH	BaCl		
W 15				Vol. Used	6 Gal	21 Gal	3 Gal		
op 150				Vol. Remaining	311 Gal	128 Gal	39 Gal		
# 3-Apr 2	:3-May 12-Ju	ıl 31-Aug	20-Oct	Vol. Staged	230 Gal	770 Gal	400 Gal		
Transducer Level — MW-18				Days Available	90 Days	42 Days	146 Days		

## Safety Issues/Concerns:

- N/A

#### Notes:

- Recalibrated and cleaned Handlheld Myron Meter.
- Adjusted RO Feed Valves for a more Adequate IX Vessel Pressure and Flow.



Report Date: 8/27/2025			Lead Operator:		Bryant A				
			Assistant Operator(s):						
Effluent Discharged: 0.275 Mgal			MW-18	B Level:	233.3 ft	116.0 ft			
Average F	lowrate:	199.0 gpm		Transduc	er Level:	176.8 ft	119.2 ft		
Effluent t	Effluent to Date: 16.528 Mgal		(Field Reading   Value below 150')						
	рН				Flowrate				
9.5				250					
9				200					
8.5				200					
8				150					
7.5			_	100					
7 6.5				50					
6				50					
5.5				0					
0:00 4:4	48 9:36	14:24 19:12	0:00	0:00 4:4	18 9:36	14:24 19	:12 0:00		
	Compliano	a Lovol		Finished Water Quality					
£ 0	Compliance	e Level	_	Parameters	Temp	рН	Cond		
vel (1				Values	20°C	7.09	167 μS/cm		
e Fe Fe									
Stev			Chemical Inventory						
001100			-	Chemicals	Antiscalant	NaOH	BaCl		
low				Vol. Used	7 Gal	21 Gal	5 Gal		
월 150 년	20.14			Vol. Remaining	305 Gal	106 Gal	36 Gal		
(H) 0 0 50 79-75 50 79-75 79-7				Vol. Staged	230 Gal	770 Gal	400 Gal		
Transducer Level — MW-18				Days Available	76 Days	43 Days	87 Days		

## Safety Issues/Concerns:

- N/A

#### Notes:

- RSO Patrick Hendrickson from ERG onsite.
- Raised Mine Pump VFD Hertz from 59.90Hz to 60.00Hz. The Mine Pump is now running at 100% capacity.
- Collected and Shipped Outfall 001A Weekly TSS & COD Samples.



Report Date: 8/28/2025			Lead Operator:		Patrick D				
			Assistant Operator(s):		s):	Bryant A			
Effluent Discharged: 0.360 Mgal			MW-18 Level:			234.8 ft	117.5 ft		
	Flowrate:		198.3 gpm		Transducer Level:		174.8 ft	121.2 ft	
	Effluent to Date: 16.888 Mgal		(Field Reading   Value below 150')						
рН				Flowrate					
9.5				250					
9				200			11		
8.5				150			<u> </u>		
7.5				100					
6.5				50					
6									
0:00 4	:48 9:36	14:24 19:12	0:00	0	00 4:	48 9:3	6	14:24 19	:12 0:00
				Finished Water Quality					
€ 0	Complianc	e Level		Para	meters	Temp	C	рН	Cond
vel (1				V	alues	20°C	;	7.38	172 μS/cm
Steve Level (ff)						Ch arai	a a l I la		
Ste				Cho	micals	Antiscal		ventory NaOH	BaCl
100					l. Used	5 Ga		28 Gal	1 Gal
05 100 epth 3-Apr					Remaining	298 G		250 Gal	50 Gal
☐ 3-Apr 23-May 12-Jul 31-Aug 20-Oct				Staged	230 G		599 Gal	380 Gal	
Transducer Level — MW-18				[	Days ailable	106 Da		30 Days	430 Days

## Safety Issues/Concerns:

- N/A

#### Notes:

- Batched Caustic at 8:50 AM
- Batched BaCl at 10:30 AM attributing to small dip in flow
- Calibrated discharge pH probe in effluent tank



			Lead Operator:		Chris P			
Report Date: 8/29/2025			Assistant Operator(s):		Patrick D			
			Assistant Operator(s).					
Effluent Discharged: 1.075 Mgal			MW-18 Level:		236.2 ft	118.9 ft		
Average Flowrate:		193	3.0 gpm	Transducer Level:		172.7 ft	123.3 ft	
Effluent to Date: 17.963 Mgal		(Field Reading   Value below 150')						
рН				Flowrate				
				250				
9.5								
8.5				200				
8				150				
7.5				100				
7				100				
6.5				50				
5.5				0				
0:00	0:00 0:0	0 0:0	0:00	0:00	0:00 0:00	0:00	0:00	
	0	. 1 1		Finished Water Quality				
<del>2</del> 0	Compliance Level				Temp	рН	Cond	
rel (f				Values	20°C	7.39	196 µS/cm	
9 50								
steve of the steve				Chemical Inventory				
05 100	•			Chemicals	Antiscalant	NaOH	BaCl	
Depth below 150' Steve Level (ff) 0 20 100 120' Steve Level (ff) 13-Apr				Vol. Used	33 Gal	99 Gal	32 Gal	
<u>a</u> 150				Vol. Remaining	293 Gal	237 Gal	49 Gal	
the 13-Apr	2-Jun	22-Jul	10-Sep	Vol. Staged	230 Gal	599 Gal	380 Gal	
Transducer Level — MW-18				Days Available	63 Days	34 Days	54 Days	

## Safety Issues/Concerns:

- N/A

#### Notes:

- Sampled TSS for outfall 001A
- Shutdown plant at 8:54 on 8/29 to install the analog input board on the RO PLC. Replacing the board did not fix the issue seen on the PLC. Further problem solving efforts included replacing the 2032 batteries in both PLCs and replacing the power supply to the PLC to the RO PLC. All were unsuccessful at resolving the issue.
- Routed an extension cord to RO2 so that RO2 is not powered through the RO PLC.
- Plant started up at 11:24 with 2 ROs in operation. Antiscalant and BaCl pumps still operating in manual
- Peter Hays onsite inspection. New depth to water meter brought onsite for transducer work