



B25040960_Schwartzwalder Mine

1 message

Stacie M. Helms <SHelms@energylab.com>

Fri, May 9, 2025 at 12:36 PM

To: "alex.schwiebert@linkan.com" <alex.schwiebert@linkan.com>, "ap@linkan.com" <ap@linkan.com>, "chris.prosper@linkan.com" <chris.prosper@linkan.com>, "adam.billin@linkan.com" <adam.billin@linkan.com>, "peter.hays@state.co.us" <peter.hays@state.co.us>

Thank you for choosing Energy Laboratories Inc. for your analytical needs. Attached you will find the completed report for samples received and processed by Energy Laboratories. No hard copy of the report will be mailed, unless it was requested. Please contact one of our project managers by email at billingspm@energylab.com or by calling 406-252-6325 for questions regarding the attached results. Your invoice will be sent separately.

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Please do not reply to this email.

Sincerely,

Energy Laboratories, Inc.

Trust our People. Trust our Data.

Stacie Helms | Administrative Assistant | Billings, MT

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B25040960-FINAL REPORT-1.PDF
1652K



ANALYTICAL SUMMARY REPORT

May 09, 2025

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

Work Order: B25040960 Quote ID: B17287

Project Name: Schwartzwalder Mine

Energy Laboratories Inc Billings MT received the following 2 samples for Linkan Engineering on 4/11/2025 for analysis.

Lab ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
B25040960-001	SW-AWD	04/09/25 11:39	04/11/25	Aqueous	Metals by ICP/ICPMS, Dissolved Metals by ICP/ICPMS, Total Cyanide, Weak Acid Dissociable Anions by Ion Chromatography Nitrogen, Nitrate + Nitrite pH Metals Digestion by E200.2 Preparation, Filtration for Orthophosphate MCAWW 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
B25040960-002	SW-BPL	04/09/25 11:53	04/11/25	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.



CLIENT: Linkan Engineering
Project: Schwartzwalder Mine
Work Order: B25040960

Report Date: 05/09/25

CASE NARRATIVE

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

"J" qualified analyte concentrations are below the laboratory minimum recommended Reporting Limit (RL) and above the calculated method detection limit (MDL). The laboratory reporting limits are based on the lowest calibration standard for the method and are set at levels which can be reliably quantitated. Metals reporting limits are based on the MDL and through examination of blank performance. MDL's are statistically calculated values determined through analysis of a clean sample matrix.

Inorganic analytes reported with "J" qualifiers should be verified against the corresponding method blank. Inorganic "J" quantitations near the MDL may be suspect due to possible method background levels, sample matrix effects, and/or daily variability in instrument signal-to-noise levels.



LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: Linkan Engineering
Project: Schwartzwalder Mine
Lab ID: B25040960-001
Client Sample ID: SW-AWD

Report Date: 05/09/25
Collection Date: 04/09/25 11:39
Date Received: 04/11/25
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
pH	7.8	s.u.	H	0.1		A4500-H B	04/11/25 13:28 / pmw
pH Measurement Temp	12.2	°C		1.0		A4500-H B	04/11/25 13:28 / pmw
Solids, Total Suspended TSS @ 105 C	ND	mg/L		2		A2540 D	04/11/25 14:29 / pjw
Solids, Total Dissolved TDS @ 180 C	212	mg/L		20		A2540 C	04/15/25 09:14 / dgc
INORGANICS							
Sulfate	17	mg/L		1		E300.0	04/12/25 05:47 / caa
Fluoride	0.30	mg/L		0.01		E300.0	04/12/25 05:47 / caa
Cyanide, Weak Acid Dissociable	ND	mg/L		0.001		Kelada-01	04/11/25 16:52 / fap
NUTRIENTS							
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.01		E353.2	04/21/25 15:16 / krt
Phosphorus, Orthophosphate as P	ND	mg/L	H	0.002		E365.1	04/14/25 16:06 / jaw
Phosphorus, Total as P	0.005	mg/L		0.002		E365.1	04/21/25 15:50 / jaw
METALS, DISSOLVED							
Copper	0.0005	mg/L		0.0005		E200.8	04/15/25 14:11 / jks
Molybdenum	0.0004	mg/L		0.0001		E200.8	04/15/25 14:11 / jks
Silver	ND	mg/L	L	0.00004		E200.8	04/15/25 14:11 / jks
Uranium	0.00112	mg/L		0.00002		E200.8	04/15/25 14:11 / jks
Zinc	0.006	mg/L		0.002		E200.8	04/15/25 14:11 / jks
METALS, TOTAL RECOVERABLE							
Antimony	ND	mg/L	L	0.0001		E200.8	04/15/25 23:59 / jks
Chromium	ND	mg/L		0.0005		E200.8	04/15/25 23:59 / jks
Thallium	ND	mg/L	L	0.0002		E200.8	04/17/25 11:58 / jks
METALS, TOTAL							
Arsenic	ND	mg/L		0.0001		E200.8	04/15/25 23:59 / jks
Boron	0.01	mg/L		0.01		E200.7	04/15/25 17:56 / enb
Molybdenum	0.0005	mg/L		0.0001		E200.8	04/15/25 23:59 / jks
Uranium	0.00125	mg/L		0.00002		E200.8	04/15/25 23:59 / jks
RADIONUCLIDES - TOTAL							
Gross Alpha	2.9	pCi/L				E900.0	05/07/25 18:09 / eli-ca
Gross Alpha precision (±)	2.4	pCi/L				E900.0	05/07/25 18:09 / eli-ca
Gross Alpha MDC	2.7	pCi/L				E900.0	05/07/25 18:09 / eli-ca
Gross Beta	-4	pCi/L	U			E900.0	05/07/25 18:09 / eli-ca
Gross Beta precision (±)	2.6	pCi/L				E900.0	05/07/25 18:09 / eli-ca
Gross Beta MDC	4.5	pCi/L				E900.0	05/07/25 18:09 / eli-ca
Radium 226	0.1	pCi/L	U			E903.0	04/28/25 10:40 / eli-ca
Radium 226 precision (±)	0.1	pCi/L				E903.0	04/28/25 10:40 / eli-ca
Radium 226 MDC	0.2	pCi/L				E903.0	04/28/25 10:40 / eli-ca
Radium 228	1.5	pCi/L				RA-05	04/21/25 15:15 / eli-ca
Radium 228 precision (±)	0.7	pCi/L				RA-05	04/21/25 15:15 / eli-ca

Report Definitions:
 RL - Analyte Reporting Limit
 QCL - Quality Control Limit
 H - Analysis performed past the method holding time
 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
Project: Schwartzwalder Mine
Lab ID: B25040960-001
Client Sample ID: SW-AWD

Report Date: 05/09/25
Collection Date: 04/09/25 11:39
DateReceived: 04/11/25
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - TOTAL							
Radium 228 MDC	0.9	pCi/L				RA-05	04/21/25 15:15 / eli-ca
Radium 226 + Radium 228	1.6	pCi/L				A7500-RA	04/29/25 13:16 / eli-ca
Radium 226 + Radium 228 precision (±)	0.7	pCi/L				A7500-RA	04/29/25 13:16 / eli-ca
Radium 226 + Radium 228 MDC	0.9	pCi/L				A7500-RA	04/29/25 13:16 / eli-ca

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

MCL - Maximum Contaminant Level
ND - Not detected at the Reporting Limit (RL)



LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: Linkan Engineering
Project: Schwartzwalder Mine
Lab ID: B25040960-002
Client Sample ID: SW-BPL

Report Date: 05/09/25
Collection Date: 04/09/25 11:53
Date Received: 04/11/25
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
pH	7.8	s.u.	H	0.1		A4500-H B	04/11/25 13:31 / pmw
pH Measurement Temp	12.4	°C		1.0		A4500-H B	04/11/25 13:31 / pmw
Solids, Total Suspended TSS @ 105 C	0.8	mg/L	JL	5		A2540 D	04/11/25 14:29 / pjw
Solids, Total Dissolved TDS @ 180 C	213	mg/L		20		A2540 C	04/15/25 09:14 / dgc
TSS did not obtain the minimum residue requirement of 2.5 mg residue.							
INORGANICS							
Sulfate	18	mg/L		1		E300.0	04/12/25 06:04 / caa
Fluoride	0.29	mg/L		0.01		E300.0	04/12/25 06:04 / caa
Cyanide, Weak Acid Dissociable	ND	mg/L		0.001		Kelada-01	04/11/25 17:02 / fap
NUTRIENTS							
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.01		E353.2	04/21/25 15:17 / krt
Phosphorus, Orthophosphate as P	0.002	mg/L	H	0.002		E365.1	04/14/25 16:07 / jaw
Phosphorus, Total as P	ND	mg/L		0.002		E365.1	04/21/25 15:51 / jaw
METALS, DISSOLVED							
Copper	0.0005	mg/L		0.0005		E200.8	04/15/25 14:17 / jks
Molybdenum	0.0006	mg/L		0.0001		E200.8	04/15/25 14:17 / jks
Silver	ND	mg/L	L	0.00004		E200.8	04/15/25 14:17 / jks
Uranium	0.00360	mg/L		0.00002		E200.8	04/15/25 14:17 / jks
Zinc	0.002	mg/L		0.002		E200.8	04/15/25 14:17 / jks
METALS, TOTAL RECOVERABLE							
Antimony	ND	mg/L	L	0.0001		E200.8	04/16/25 00:22 / jks
Chromium	ND	mg/L		0.0005		E200.8	04/16/25 00:22 / jks
Thallium	ND	mg/L	L	0.0002		E200.8	04/17/25 12:04 / jks
METALS, TOTAL							
Arsenic	ND	mg/L		0.0001		E200.8	04/16/25 00:22 / jks
Boron	0.01	mg/L		0.01		E200.7	04/15/25 17:57 / enb
Molybdenum	0.0007	mg/L		0.0001		E200.8	04/16/25 00:22 / jks
Uranium	0.00332	mg/L		0.00002		E200.8	04/16/25 00:22 / jks
RADIONUCLIDES - TOTAL							
Gross Alpha	5.1	pCi/L				E900.0	05/07/25 18:09 / eli-ca
Gross Alpha precision (±)	2.8	pCi/L				E900.0	05/07/25 18:09 / eli-ca
Gross Alpha MDC	3.0	pCi/L				E900.0	05/07/25 18:09 / eli-ca
Gross Beta	4.2	pCi/L				E900.0	05/07/25 18:09 / eli-ca
Gross Beta precision (±)	1.7	pCi/L				E900.0	05/07/25 18:09 / eli-ca
Gross Beta MDC	3.1	pCi/L				E900.0	05/07/25 18:09 / eli-ca
Radium 226	0.1	pCi/L	U			E903.0	04/28/25 10:40 / eli-ca
Radium 226 precision (±)	0.1	pCi/L				E903.0	04/28/25 10:40 / eli-ca
Radium 226 MDC	0.2	pCi/L				E903.0	04/28/25 10:40 / eli-ca
Radium 228	0.8	pCi/L	U			RA-05	04/21/25 15:15 / eli-ca

Report Definitions:
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 QCL - Quality Control Limit
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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)
 U - Not detected



LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: Linkan Engineering
Project: Schwartzwalder Mine
Lab ID: B25040960-002
Client Sample ID: SW-BPL

Report Date: 05/09/25
Collection Date: 04/09/25 11:53
DateReceived: 04/11/25
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - TOTAL							
Radium 228 precision ($\pm$)	0.6	pCi/L				RA-05	04/21/25 15:15 / eli-ca
Radium 228 MDC	0.9	pCi/L				RA-05	04/21/25 15:15 / eli-ca
Radium 226 + Radium 228	0.5	pCi/L	U			A7500-RA	04/29/25 13:16 / eli-ca
Radium 226 + Radium 228 precision ($\pm$)	0.6	pCi/L				A7500-RA	04/29/25 13:16 / eli-ca
Radium 226 + Radium 228 MDC	0.9	pCi/L				A7500-RA	04/29/25 13:16 / eli-ca

Report Definitions:
RL - Analyte Reporting Limit
QCL - Quality Control Limit
U - Not detected

MCL - Maximum Contaminant Level
ND - Not detected at the Reporting Limit (RL)



QA/QC Summary Report

Prepared by Casper, WY Branch

Work Order: B25040960

Report Date: 05/08/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E900.0										Batch: GrAB-3404
Lab ID: Th230-GrAB-3404	3	Laboratory Control Sample				Run: TENNELEC-3_250501A				05/07/25 00:03
Gross Alpha		350	pCi/L		116	70	130			
Gross Alpha precision (±)		76	pCi/L							
Gross Alpha MDC		2.1	pCi/L							
Spiked @ 3mL TS										
Lab ID: Sr90-GrAB-3404	3	Laboratory Control Sample				Run: TENNELEC-3_250501A				05/07/25 00:03
Gross Beta		190	pCi/L		103	70	130			
Gross Beta precision (±)		13	pCi/L							
Gross Beta MDC		2.8	pCi/L							
Lab ID: MB-GrAB-3404	6	Method Blank				Run: TENNELEC-3_250501A				05/07/25 00:03
Gross Alpha		1	pCi/L							U
Gross Alpha precision (±)		2	pCi/L							
Gross Alpha MDC		2	pCi/L							
Gross Beta		-0.1	pCi/L							U
Gross Beta precision (±)		2	pCi/L							
Gross Beta MDC		3	pCi/L							
Lab ID: C25040523-003DMS	3	Sample Matrix Spike				Run: TENNELEC-3_250501A				05/07/25 00:03
Gross Alpha		1100	pCi/L		91	70	130			
Gross Alpha precision (±)		230	pCi/L							
Gross Alpha MDC		3.2	pCi/L							
Lab ID: C25040523-003DMSD	3	Sample Matrix Spike Duplicate				Run: TENNELEC-3_250501A				05/07/25 02:17
Gross Alpha		1100	pCi/L		103	70	130	3.5	30	
Gross Alpha precision (±)		240	pCi/L							
Gross Alpha MDC		2.6	pCi/L							
- The RER result is 0.11.										
Lab ID: C25040566-001DMS1	3	Sample Matrix Spike				Run: TENNELEC-3_250501A				05/07/25 18:09
Gross Alpha		29	pCi/L			70	130			
Gross Alpha precision (±)		7.2	pCi/L							
Gross Alpha MDC		3.2	pCi/L							
Lab ID: C25040566-001DMSD1	3	Sample Matrix Spike Duplicate				Run: TENNELEC-3_250501A				05/07/25 18:09
Gross Alpha		27	pCi/L			70	130	7.5	30	
Gross Alpha precision (±)		6.7	pCi/L							
Gross Alpha MDC		3.2	pCi/L							
- The RER result is 0.17.										

Qualifiers:

RL - Analyte Reporting Limit

U - Not detected

ND - Not detected at the Reporting Limit (RL)



QA/QC Summary Report

Prepared by Casper, WY Branch

Work Order: B25040960

Report Date: 05/08/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E903.0										Batch: RA226-11642
Lab ID: LCS-RA226-11642	3	Laboratory Control Sample				Run: TENNELEC-4_250417D				04/28/25 10:40
Radium 226		9.7	pCi/L	97		70	130			
Radium 226 precision (±)		1.6	pCi/L							
Radium 226 MDC		0.14	pCi/L							
Lab ID: MB-RA226-11642	3	Method Blank				Run: TENNELEC-4_250417D				04/28/25 10:40
Radium 226		0.001	pCi/L							U
Radium 226 precision (±)		0.08	pCi/L							
Radium 226 MDC		0.1	pCi/L							
Lab ID: C25040471-001DDUP	3	Sample Duplicate				Run: TENNELEC-4_250417D				04/28/25 10:40
Radium 226		170	pCi/L					2.9	30	
Radium 226 precision (±)		26	pCi/L							
Radium 226 MDC		0.16	pCi/L							
- The RER result is 0.14.										

Qualifiers:

RL - Analyte Reporting Limit
U - Not detected

ND - Not detected at the Reporting Limit (RL)



QA/QC Summary Report

Prepared by Casper, WY Branch

Work Order: B25040960

Report Date: 05/08/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: RA-05										Batch: RA228-7626
Lab ID: LCS-228-RA226-11642	3	Laboratory Control Sample				Run: TENNELEC-4_250417A				04/21/25 15:15
Radium 228		8.2	pCi/L	87		70	130			
Radium 228 precision (±)		2.2	pCi/L							
Radium 228 MDC		0.85	pCi/L							
Lab ID: MB-RA226-11642	3	Method Blank				Run: TENNELEC-4_250417A				04/21/25 15:15
Radium 228		0.5	pCi/L							U
Radium 228 precision (±)		0.6	pCi/L							
Radium 228 MDC		0.9	pCi/L							
Lab ID: C25040471-001DDUP	3	Sample Duplicate				Run: TENNELEC-4_250417A				04/21/25 15:15
Radium 228		17	pCi/L					5.6	30	
Radium 228 precision (±)		4.2	pCi/L							
Radium 228 MDC		0.85	pCi/L							
- The RER result is 0.16.										

Qualifiers:

RL - Analyte Reporting Limit
U - Not detected

ND - Not detected at the Reporting Limit (RL)



QA/QC Summary Report

Prepared by Billings, MT Branch

Work Order: B25040960

Report Date: 04/24/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2540 C									Batch: TDS20250415A	
Lab ID: MBLK_20250415-1		Method Blank					Run: Bal #30_250415D		04/15/25 09:11	
Solids, Total Dissolved TDS @ 180 C		ND	mg/L	20						
Lab ID: LCS_20250415-1		Laboratory Control Sample					Run: Bal #30_250415D		04/15/25 09:12	
Solids, Total Dissolved TDS @ 180 C		925	mg/L	25	92	90	110			
Lab ID: B25040874-001ADUP		Sample Duplicate					Run: Bal #30_250415D		04/15/25 09:12	
Solids, Total Dissolved TDS @ 180 C		487	mg/L	25				0.6	10	
Lab ID: B25041009-016ADUP		Sample Duplicate					Run: Bal #30_250415D		04/15/25 09:16	
Solids, Total Dissolved TDS @ 180 C		3980	mg/L	250				1.0	10	

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)



QA/QC Summary Report

Prepared by Billings, MT Branch

Work Order: B25040960

Report Date: 04/24/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2540 D								Batch: TSS20250411B		
Lab ID: MBLK_20250411-6	Method Blank					Run: BAL #30_250411B		04/11/25 14:29		
Solids, Total Suspended TSS @ 105 C	ND	mg/L	0.6							
Lab ID: LCS_20250411-4	Laboratory Control Sample					Run: BAL #30_250411B		04/11/25 14:29		
Solids, Total Suspended TSS @ 105 C	104	mg/L	25	104	80	120				
Lab ID: B25040960-002BDUP	Sample Duplicate					Run: BAL #30_250411B		04/11/25 14:30		
Solids, Total Suspended TSS @ 105 C	0.800	mg/L	10					10	J	
TSS did not obtain the minimum residue requirement of 2.5 mg residue.										

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)

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



QA/QC Summary Report

Prepared by Billings, MT Branch

Work Order: B25040960

Report Date: 04/24/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-H B								Analytical Run: PHSC _101-B_250411A		
Lab ID: pH 8	2	Initial Calibration Verification Standard							04/11/25 08:31	
pH		8.0	s.u.	0.1	100	98	102			
pH Measurement Temp		19.4	°C	1.0						
Lab ID: CCV - pH 7								04/11/25 12:37		
	2	Continuing Calibration Verification Standard								
pH		7.0	s.u.	0.1	101	98	102			
pH Measurement Temp		21.4	°C	1.0		0	0			
Method: A4500-H B								Batch: R439611		
Lab ID: B25040943-001ADUP	2	Sample Duplicate				Run: PHSC _101-B_250411A				04/11/25 12:54
pH		6.6	s.u.	0.1				0.9	3	H
pH Measurement Temp		13.9	°C	1.0						

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)

H - Analysis performed past the method holding time



QA/QC Summary Report

Prepared by Billings, MT Branch

Work Order: B25040960

Report Date: 04/24/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E300.0						Analytical Run: IC METROHM 2_250411A				
Lab ID: ICB	2	Initial Calibration Verification Standard								04/11/25 10:05
Sulfate		103	mg/L	1.0	103	90	110			
Fluoride		1.27	mg/L	0.10	102	90	110			
Lab ID: CCV	2	Continuing Calibration Verification Standard								04/12/25 02:41
Sulfate		105	mg/L	1.0	105	90	110			
Fluoride		1.26	mg/L	0.10	100	90	110			
Method: E300.0						Batch: R439675				
Lab ID: ICB	2	Method Blank								Run: IC METROHM 2_250411A 04/11/25 10:22
Sulfate		ND	mg/L	0.5						
Fluoride		ND	mg/L	0.01						
Lab ID: LFB	2	Laboratory Fortified Blank								Run: IC METROHM 2_250411A 04/11/25 10:38
Sulfate		107	mg/L	1.1	107	90	110			
Fluoride		1.38	mg/L	0.10	110	90	110			
Lab ID: B25040416-016AMS	2	Sample Matrix Spike								Run: IC METROHM 2_250411A 04/12/25 07:12
Sulfate		1840	mg/L	11	102	90	110			
Fluoride		12.4	mg/L	0.13	99	90	110			
Lab ID: B25040416-016AMSD	2	Sample Matrix Spike Duplicate								Run: IC METROHM 2_250411A 04/12/25 07:29
Sulfate		1840	mg/L	11	103	90	110	0.1	20	
Fluoride		12.4	mg/L	0.13	100	90	110	0.7	20	

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)



QA/QC Summary Report

Prepared by Billings, MT Branch

Work Order: B25040960

Report Date: 04/24/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E353.2 Analytical Run: FIA203-B_250421B										
Lab ID: ICV	Initial Calibration Verification Standard 04/21/25 13:56									
Nitrogen, Nitrate+Nitrite as N		0.563	mg/L	0.010	100	90	110			
Lab ID: CCV_20250421-4 Continuing Calibration Verification Standard 04/21/25 15:05										
Nitrogen, Nitrate+Nitrite as N		1.02	mg/L	0.010	102	90	110			
Method: E353.2 Batch: R440105										
Lab ID: FilterMBLK	Method Blank Run: FIA203-B_250421B 04/21/25 13:57									
Nitrogen, Nitrate+Nitrite as N		ND	mg/L	0.01						
Lab ID: MBLK_20250421-3	Method Blank Run: FIA203-B_250421B 04/21/25 13:59									
Nitrogen, Nitrate+Nitrite as N		ND	mg/L	0.01						
Lab ID: FilterLFB	Laboratory Fortified Blank Run: FIA203-B_250421B 04/21/25 14:10									
Nitrogen, Nitrate+Nitrite as N		1.02	mg/L	0.010	102	90	110			
Lab ID: B25040940-001DMS	Sample Matrix Spike Run: FIA203-B_250421B 04/21/25 15:09									
Nitrogen, Nitrate+Nitrite as N		1.24	mg/L	0.010	110	90	110			
Lab ID: B25040940-001DMSD	Sample Matrix Spike Duplicate Run: FIA203-B_250421B 04/21/25 15:10									
Nitrogen, Nitrate+Nitrite as N		1.23	mg/L	0.010	110	90	110	0.3	10	
Lab ID: B25041016-002CMS	Sample Matrix Spike Run: FIA203-B_250421B 04/21/25 15:24									
Nitrogen, Nitrate+Nitrite as N		1.17	mg/L	0.010	107	90	110			
Lab ID: B25041016-002CMSD	Sample Matrix Spike Duplicate Run: FIA203-B_250421B 04/21/25 15:25									
Nitrogen, Nitrate+Nitrite as N		1.17	mg/L	0.010	107	90	110	0.3	10	

Qualifiers:

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QA/QC Summary Report

Prepared by Billings, MT Branch

Work Order: B25040960

Report Date: 04/24/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E365.1 Analytical Run: FIA204-B_250414C										
Lab ID: ICV		Initial Calibration Verification Standard 04/14/25 15:59								
Phosphorus, Orthophosphate as P		0.244	mg/L	0.0050	98	90	110			
Method: E365.1 Batch: R439725										
Lab ID: ICB		Method Blank Run: FIA204-B_250414C 04/14/25 16:01								
Phosphorus, Orthophosphate as P		ND	mg/L	0.001						
Lab ID: LFB		Laboratory Fortified Blank Run: FIA204-B_250414C 04/14/25 16:02								
Phosphorus, Orthophosphate as P		0.249	mg/L	0.0050	100	90	110			
Lab ID: LFB-198917		Laboratory Fortified Blank Run: FIA204-B_250414C 04/14/25 16:05								
Phosphorus, Orthophosphate as P		0.246	mg/L	0.0050	98	90	110			
Lab ID: B25040960-002IMS		Sample Matrix Spike Run: FIA204-B_250414C 04/14/25 16:08								
Phosphorus, Orthophosphate as P		0.252	mg/L	0.0020	100	90	110			
Lab ID: B25040960-002IMSD		Sample Matrix Spike Duplicate Run: FIA204-B_250414C 04/14/25 16:09								
Phosphorus, Orthophosphate as P		0.260	mg/L	0.0020	103	90	110	3.1	10	
Method: E365.1 Analytical Run: SEAL201-B_250421A										
Lab ID: ICV-198785		Initial Calibration Verification Standard 04/21/25 15:43								
Phosphorus, Total as P		0.486	mg/L	0.0050	97	90	110			
Method: E365.1 Batch: 199051										
Lab ID: MB-199051		Method Blank Run: SEAL201-B_250421A 04/21/25 15:46								
Phosphorus, Total as P		ND	mg/L	0.002						
Lab ID: LCS-199051		Laboratory Control Sample Run: SEAL201-B_250421A 04/21/25 15:47								
Phosphorus, Total as P		0.195	mg/L	0.0050	97	90	110			
Lab ID: B25041345-001FMS		Sample Matrix Spike Run: SEAL201-B_250421A 04/21/25 15:58								
Phosphorus, Total as P		6.78	mg/L	0.020	97	90	110			
Lab ID: B25041345-001FMDS		Sample Matrix Spike Duplicate Run: SEAL201-B_250421A 04/21/25 15:59								
Phosphorus, Total as P		6.73	mg/L	0.020	94	90	110	0.8	10	

Qualifiers:

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QA/QC Summary Report

Prepared by Billings, MT Branch

Work Order: B25040960

Report Date: 04/24/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: Kelada-01										
Analytical Run: SFA-202-B_250411A										
Lab ID: ICV	Initial Calibration Verification Standard									
Cyanide, Weak Acid Dissociable		0.0104	mg/L	0.0010	104	90	110			04/11/25 15:20
Lab ID: CCV	Continuing Calibration Verification Standard									
Cyanide, Weak Acid Dissociable		0.00998	mg/L	0.0010	100	90	110			04/11/25 16:44
Method: Kelada-01										
Batch: R439658										
Lab ID: ICB	Method Blank									
Cyanide, Weak Acid Dissociable		ND	mg/L	0.0007				Run: SFA-202-B_250411A		04/11/25 15:22
Lab ID: LFB	Laboratory Fortified Blank									
Cyanide, Weak Acid Dissociable		0.0108	mg/L	0.0010	108	90	110	Run: SFA-202-B_250411A		04/11/25 15:24
Lab ID: LCS1-ZnCN	Laboratory Control Sample									
Cyanide, Weak Acid Dissociable		0.0101	mg/L	0.0010	101	90	110	Run: SFA-202-B_250411A		04/11/25 15:26
Lab ID: LCS2-K3Fe(CN)6	Laboratory Control Sample									
Cyanide, Weak Acid Dissociable		ND	mg/L	0.0010	0	0	5	Run: SFA-202-B_250411A		04/11/25 15:28
Lab ID: LCS3-K4Fe(CN)6	Laboratory Control Sample									
Cyanide, Weak Acid Dissociable		ND	mg/L	0.0010	0	0	5	Run: SFA-202-B_250411A		04/11/25 15:30
Lab ID: B25040960-001FMS	Sample Matrix Spike									
Cyanide, Weak Acid Dissociable		0.0105	mg/L	0.0010	105	80	120	Run: SFA-202-B_250411A		04/11/25 16:54
Lab ID: B25040960-001FMSD	Sample Matrix Spike Duplicate									
Cyanide, Weak Acid Dissociable		0.00999	mg/L	0.0010	100	80	120	5.1	10	04/11/25 16:58

Qualifiers:

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QA/QC Summary Report

Prepared by Billings, MT Branch

Work Order: B25040960

Report Date: 04/24/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method:	E200.7							Analytical Run: ICP205-B_250415A		
Lab ID:	ICV	Continuing Calibration Verification Standard							04/15/25 14:01	
Boron		2.51	mg/L	0.10	100	95	105			
Lab ID:	CCV	Continuing Calibration Verification Standard							04/15/25 17:44	
Boron		2.56	mg/L	0.10	102	90	110			
Method:	E200.7							Batch: 198871		
Lab ID:	MB-198871	Method Blank			Run: ICP205-B_250415A			04/15/25 17:28		
Boron		ND	mg/L	0.008						
Lab ID:	LCS3-198871	Laboratory Control Sample			Run: ICP205-B_250415A			04/15/25 17:32		
Boron		1.04	mg/L	0.10	104	85	115			
Lab ID:	B25040948-001BMS3	Sample Matrix Spike			Run: ICP205-B_250415A			04/15/25 17:54		
Boron		1.29	mg/L	0.050	109	70	130			
Lab ID:	B25040948-001BMSD3	Sample Matrix Spike Duplicate			Run: ICP205-B_250415A			04/15/25 17:55		
Boron		1.31	mg/L	0.050	112	70	130	1.8	20	

Qualifiers:

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QA/QC Summary Report

Prepared by Billings, MT Branch

Work Order: B25040960

Report Date: 04/24/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8								Analytical Run: ICPMS207-B_250414A		
Lab ID: QCS	8	Initial Calibration Verification Standard							04/15/25 11:44	
Antimony		0.0506	mg/L	0.0050	101	90	110			
Arsenic		0.0494	mg/L	0.0050	99	90	110			
Chromium		0.0490	mg/L	0.010	98	90	110			
Copper		0.0504	mg/L	0.010	101	90	110			
Molybdenum		0.0499	mg/L	0.0050	100	90	110			
Silver		0.0246	mg/L	0.0050	98	90	110			
Uranium		0.0489	mg/L	0.00030	98	90	110			
Zinc		0.0500	mg/L	0.0050	100	90	110			
Lab ID: CCV	8	Continuing Calibration Verification Standard							04/15/25 13:12	
Antimony		0.0499	mg/L	0.0050	100	90	110			
Arsenic		0.0492	mg/L	0.0050	98	90	110			
Chromium		0.0484	mg/L	0.010	97	90	110			
Copper		0.0500	mg/L	0.010	100	90	110			
Molybdenum		0.0486	mg/L	0.0050	97	90	110			
Silver		0.0200	mg/L	0.0050	100	90	110			
Uranium		0.0477	mg/L	0.00030	95	90	110			
Zinc		0.0500	mg/L	0.0050	100	90	110			
Lab ID: QCS	8	Initial Calibration Verification Standard							04/15/25 19:47	
Antimony		0.0492	mg/L	0.0050	98	90	110			
Arsenic		0.0492	mg/L	0.0050	98	90	110			
Chromium		0.0488	mg/L	0.010	98	90	110			
Copper		0.0506	mg/L	0.010	101	90	110			
Molybdenum		0.0486	mg/L	0.0050	97	90	110			
Silver		0.0273	mg/L	0.0050	109	90	110			
Uranium		0.0516	mg/L	0.00030	103	90	110			
Zinc		0.0504	mg/L	0.0050	101	90	110			
Lab ID: CCV	8	Continuing Calibration Verification Standard							04/15/25 23:18	
Antimony		0.0473	mg/L	0.0050	95	90	110			
Arsenic		0.0492	mg/L	0.0050	98	90	110			
Chromium		0.0489	mg/L	0.010	98	90	110			
Copper		0.0495	mg/L	0.010	99	90	110			
Molybdenum		0.0471	mg/L	0.0050	94	90	110			
Silver		0.0203	mg/L	0.0050	102	90	110			
Uranium		0.0508	mg/L	0.00030	102	90	110			
Zinc		0.0492	mg/L	0.0050	98	90	110			
Method: E200.8								Batch: 198871		
Lab ID: MB-198871	6	Method Blank							Run: ICPMS207-B_250414A	
Antimony		ND	mg/L	0.00008						04/15/25 22:19
Arsenic		ND	mg/L	0.00007						
Chromium		ND	mg/L	0.0003						
Molybdenum		ND	mg/L	0.00008						
Thallium		ND	mg/L	0.0004						

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QA/QC Summary Report

Prepared by Billings, MT Branch

Work Order: B25040960

Report Date: 04/24/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8										Batch: 198871
Lab ID: MB-198871	6	Method Blank						Run: ICPMS207-B_250414A		04/15/25 22:19
Uranium		ND	mg/L	0.00002						
Lab ID: LCS4-198871	6	Laboratory Control Sample						Run: ICPMS207-B_250414A		04/15/25 22:25
Antimony		0.104	mg/L	0.0050	104	85	115			
Arsenic		0.0919	mg/L	0.0010	92	85	115			
Chromium		0.0906	mg/L	0.0010	91	85	115			
Molybdenum		0.0986	mg/L	0.0050	99	85	115			
Thallium		0.0975	mg/L	0.0010	98	85	115			
Uranium		0.102	mg/L	0.00030	102	85	115			
Lab ID: B25040940-001CMS4	6	Sample Matrix Spike						Run: ICPMS207-B_250414A		04/15/25 22:54
Antimony		0.123	mg/L	0.0010	110	70	130			
Arsenic		0.177	mg/L	0.0010	94	70	130			
Chromium		0.0915	mg/L	0.0050	92	70	130			
Molybdenum		0.109	mg/L	0.0010	103	70	130			
Thallium		0.0984	mg/L	0.00050	98	70	130			
Uranium		0.107	mg/L	0.00030	107	70	130			
Lab ID: B25040940-001CMSD4	6	Sample Matrix Spike Duplicate						Run: ICPMS207-B_250414A		04/15/25 23:00
Antimony		0.119	mg/L	0.0010	106	70	130	3.2	20	
Arsenic		0.175	mg/L	0.0010	91	70	130	1.2	20	
Chromium		0.0899	mg/L	0.0050	90	70	130	1.8	20	
Molybdenum		0.103	mg/L	0.0010	97	70	130	5.8	20	
Thallium		0.0928	mg/L	0.00050	93	70	130	6.0	20	
Uranium		0.101	mg/L	0.00030	101	70	130	6.2	20	
Lab ID: B25040960-001DMS4	6	Sample Matrix Spike						Run: ICPMS207-B_250414A		04/16/25 00:05
Antimony		0.116	mg/L	0.0010	116	70	130			
Arsenic		0.0961	mg/L	0.0010	96	70	130			
Chromium		0.0934	mg/L	0.0050	93	70	130			
Molybdenum		0.109	mg/L	0.0010	108	70	130			
Thallium		0.104	mg/L	0.00050	104	70	130			
Uranium		0.114	mg/L	0.00030	113	70	130			
Lab ID: B25040960-001DMSD4	6	Sample Matrix Spike Duplicate						Run: ICPMS207-B_250414A		04/16/25 00:11
Antimony		0.111	mg/L	0.0010	111	70	130	4.5	20	
Arsenic		0.0941	mg/L	0.0010	94	70	130	2.1	20	
Chromium		0.0916	mg/L	0.0050	92	70	130	1.9	20	
Molybdenum		0.104	mg/L	0.0010	103	70	130	4.8	20	
Thallium		0.104	mg/L	0.00050	104	70	130	0.3	20	
Uranium		0.111	mg/L	0.00030	110	70	130	2.7	20	
Method: E200.8										Batch: R439759
Lab ID: LRB	5	Method Blank						Run: ICPMS207-B_250414A		04/14/25 20:50
Copper		ND	mg/L	0.0001						
Molybdenum		ND	mg/L	0.00004						
Silver		ND	mg/L	9E-06						

Qualifiers:

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QA/QC Summary Report

Prepared by Billings, MT Branch

Work Order: B25040960

Report Date: 04/24/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8										Batch: R439759
Lab ID: LRB	5	Method Blank						Run: ICPMS207-B_250414A		04/14/25 20:50
Uranium		ND	mg/L	0.00001						
Zinc		ND	mg/L	0.001						
Lab ID: LFB	5	Laboratory Fortified Blank						Run: ICPMS207-B_250414A		04/14/25 21:08
Copper		0.0504	mg/L	0.010	101	85	115			
Molybdenum		0.0506	mg/L	0.0050	101	85	115			
Silver		0.0197	mg/L	0.0050	98	85	115			
Uranium		0.0506	mg/L	0.00030	101	85	115			
Zinc		0.0516	mg/L	0.0050	103	85	115			
Lab ID: B25040957-005AMS	5	Sample Matrix Spike						Run: ICPMS207-B_250414A		04/15/25 13:36
Copper		0.100	mg/L	0.0050	100	70	130			
Molybdenum		0.106	mg/L	0.0010	102	70	130			
Silver		0.0445	mg/L	0.0010	111	70	130			
Uranium		0.119	mg/L	0.00030	116	70	130			
Zinc		0.0998	mg/L	0.010	100	70	130			
Lab ID: B25040957-005AMSD	5	Sample Matrix Spike Duplicate						Run: ICPMS207-B_250414A		04/15/25 13:42
Copper		0.0995	mg/L	0.0050	99	70	130	0.5	20	
Molybdenum		0.103	mg/L	0.0010	99	70	130	3.4	20	
Silver		0.0386	mg/L	0.0010	96	70	130	14	20	
Uranium		0.106	mg/L	0.00030	102	70	130	12	20	
Zinc		0.101	mg/L	0.010	101	70	130	1.3	20	
Lab ID: B25041016-020BMS	5	Sample Matrix Spike						Run: ICPMS207-B_250414A		04/15/25 22:02
Copper		0.0501	mg/L	0.0050	98	70	130			
Molybdenum		0.0530	mg/L	0.0010	101	70	130			
Silver		0.0189	mg/L	0.0010	94	70	130			
Uranium		0.0566	mg/L	0.00030	104	70	130			
Zinc		0.0493	mg/L	0.010	99	70	130			
Lab ID: B25041016-020BMDS	5	Sample Matrix Spike Duplicate						Run: ICPMS207-B_250414A		04/15/25 22:08
Copper		0.0532	mg/L	0.0050	104	70	130	6.0	20	
Molybdenum		0.0545	mg/L	0.0010	104	70	130	2.8	20	
Silver		0.0208	mg/L	0.0010	104	70	130	9.8	20	
Uranium		0.0606	mg/L	0.00030	112	70	130	6.8	20	
Zinc		0.0524	mg/L	0.010	105	70	130	5.9	20	
Lab ID: B25041020-010BMS	5	Sample Matrix Spike						Run: ICPMS207-B_250414A		04/16/25 02:25
Copper		0.0505	mg/L	0.0050	99	70	130			
Molybdenum		0.0518	mg/L	0.0010	100	70	130			
Silver		0.0198	mg/L	0.0010	99	70	130			
Uranium		0.0627	mg/L	0.00030	105	70	130			
Zinc		0.0490	mg/L	0.010	98	70	130			
Lab ID: B25041020-010BMDS	5	Sample Matrix Spike Duplicate						Run: ICPMS207-B_250414A		04/16/25 02:31
Copper		0.0510	mg/L	0.0050	100	70	130	1.1	20	

Qualifiers:

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QA/QC Summary Report

Prepared by Billings, MT Branch

Work Order: B25040960

Report Date: 04/24/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8										Batch: R439759
Lab ID: B25041020-010BMSD	5	Sample Matrix Spike Duplicate			Run: ICPMS207-B_250414A				04/16/25 02:31	
Molybdenum		0.0526	mg/L	0.0010	102	70	130	1.6	20	
Silver		0.0199	mg/L	0.0010	100	70	130	0.8	20	
Uranium		0.0656	mg/L	0.00030	110	70	130	4.4	20	
Zinc		0.0496	mg/L	0.010	99	70	130	1.3	20	
Method: E200.8										Analytical Run: ICPMS209-B_250416A
Lab ID: QCS	Initial Calibration Verification Standard									04/17/25 10:04
Thallium		0.0512	mg/L	0.0050	102	90	110			
Lab ID: CCV	Continuing Calibration Verification Standard									04/17/25 11:20
Thallium		0.0508	mg/L	0.0050	102	90	110			
Method: E200.8										Batch: 198871
Lab ID: MB-198871	Method Blank									Run: ICPMS209-B_250416A
Thallium		ND	mg/L	0.0001						04/17/25 10:58

Qualifiers:

RL - Analyte Reporting Limit

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Work Order Receipt Checklist

Linkan Engineering

B25040960

Login completed by: Kyelie L. Pflock

Date Received: 4/11/2025

Reviewed by: cjones

Received by: DNH

Reviewed Date: 4/16/2025

Carrier name: Return-FedEx NDA

Shipping container/cooler in good condition?	Yes ☒	No ☐	Not Present ☐
Custody seals intact on all shipping container(s)/cooler(s)?	Yes ☒	No ☐	Not Present ☐
Custody seals intact on all sample bottles?	Yes ☐	No ☐	Not Present ☒
Chain of custody present?	Yes ☒	No ☐	
Chain of custody signed when 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 holding time? (Exclude analyses that are considered field parameters such as pH, DO, Res Cl, Sulfite, Ferrous Iron, etc.)	Yes ☒	No ☐	
Temp Blank received in all shipping container(s)/cooler(s)?	Yes ☒	No ☐	Not Applicable ☐
Container/Temp Blank temperature:	4.3°C Blue Ice		
Containers requiring zero headspace have no headspace or bubble that is <6mm (1/4").	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:

Orthophosphate was not indicated on the attachment to the chain of custody. Orthophosphate is included in Quote B17287. Proceeded with orthophosphate analysis past the 48 hour holding time per phone conversation with Chris



Work Order Receipt Checklist - Continued

Linkan Engineering

B25040960

Prosper on 04/14/25. YES 04/14/25

Laboratory Certifications and Accreditations

Current certificates are available at www.energylab.com website:

	Agency	Number
Billings, MT  	Alaska	17-023
	California	3087
	Colorado	MT00005
	Department of Defense (DoD)/ISO17025	ADE-2588
	Florida (Primary NELAP)	E87668
	Idaho	MT00005
	Louisiana	05079
	Montana	CERT0044
	Nebraska	NE-OS-13-04
	Nevada	NV-C24-00250
	North Dakota	R-007
	National Radon Proficiency	109383-RMP
	Oregon	4184
	South Dakota	ARSD 74:04:07
	Texas	TX-C24-00302
	US EPA Region VIII	Reciprocal
	USDA Soil Permit	P330-20-00170
	Washington	C1039
Casper, WY 	Alaska	20-006
	California	3021
	Colorado	WY00002
	Florida (Primary NELAP)	E87641
	Idaho	WY00002
	Louisiana	05083
	Montana	CERT0002
	Nebraska	NE-OS-08-04
	Nevada	NV-C24-00245
	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
Helena, MT	Colorado	MT00945
	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

www.energylab.com

Page 1 of 1

Account Information (Billing Information)

Company/Name Linkan	
Contact	Chris Prosper
Phone	775-777-8003
Mailing Address	2720 Ruby Vista Dr
City, State, Zip	Elko, NV 89801
Email	AP@linkan.com
Receive Invoice	☐ Hard Copy ☒ Email
Purchase Order	Quote H17287
24-0156	Bottle Order 186550

Report Information (if different than Account Information)

Company/Name Linkan	
Contact	Alex Schwiebert
Phone	775-397-6779
Mailing Address	2720 Ruby Vista Dr
City, State, Zip	Elko, NV 89801
Email	see comments
Receive Report	☐ Hard Copy ☒ Email
Special Report/Formats:	☐ LEVEL IV ☐ NELAC ☐ EDD/EDT (contact laboratory) ☐ Other

Comments

Monthly Consent Order Sampling

Please email Report and EDD results to:
 chris.prosper@linkan.com
 adam.billin@linkan.com
 alex.schwiebert@linkan.com
 peter.hays@state.co.us

Project Information

Project Name, PWSID, Permit, etc. Schwartzwalder Mine	
Sampler Name	Chris Prosper
Sampler Phone	775-777-8003
Sample Origin	State of Colorado
EPA/State Compliance	☒ Yes ☐ No
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)	

Matrix Codes

A - Air	W - Water	S - Solids	V - Vegetation	B - Bioassay	O - Oil	DW - Drinking Water
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Analysis Requested

Sample Identification (Name, Location, Interval, etc.)	Collection		Number of Containers	Matrix (See Codes Above)	Anions (E300.0)	Total Dissolved Solids	Total Suspended Solids	Metals, Dissolved	Metals Total	Phosphorus, Total	Nitrate + Nitrite as N	Cyanide, WAD	Radium 226 + 228	See Attached	RUSH TAT	ELI LAB ID Laboratory Use Only
	Date	Time														
1 SW-AWD	04/09/25	11:39	8	W												B25040960
2 SW-BPL	04/09/25	11:53	8	W												
3																
4																
5																
6																
7																
8																
9																

All turnaround times are standard unless marked as RUSH.
 Energy Laboratories MUST be contacted prior to RUSH sample submittal for charges and scheduling - See Instructions Page

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.

Custody Record MUST be signed	Relinquished by (print)	Signature	Date/Time	Received by (print)	Signature	Date/Time
	Chris Prosper	<i>Chris Prosper</i>	04/09/2025 11:39	<i>Chris Prosper</i>	<i>Chris Prosper</i>	04/09/2025 11:39
Shipped By	Cooler ID(s)	Custody Seals	Intact	Receipt Temp	Temp Blank	On Ice
		Y N C B	Y N	°C	Y N	Y N
LABORATORY USE ONLY			Payment Type	Amount	Receipt Number (cash/check only)	
			Cash	\$		

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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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 186550



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

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



Contact: Brendan Smith

400 Corporate Circle, Suite H

Golden CO 80401

Phone: (775) 389-5582

Project: Schwartzwalder Mine - Table 1.1

Order Created by: Yvonna E. Smith

Shipped From: Billings, MT

Ship Date: 8/28/2024

VIA: Ground

Quote Used: 17287

Bottle Size/Type	Bottles Per Samp	Method	Tests	Critical Hold Time	Preservative	Notes	Num of Samp
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Table 1.1 (2 Sets)

1 Liter Plastic	1	E300.0 A4500-H B A2540 C	Anions by Ion Chromatography pH Solids, Total Dissolved Solids, Total Suspended	0.25 hrs			1
1 Liter Plastic Wide Mouth	1	A2540 D				Fill to the neck of the container.	1
250 mL Plastic	1	E200.7_8	Metals by ICP/ICPMS, Dissolved		☒ HNO3	Filter before preservation	1
250 mL Plastic	1	E200.7_8 E200.2	Metals by ICP/ICPMS, Total Metals Digestion by E200.2		☒ HNO3		1
250 mL Plastic	1	E353.2 E365.1 E365.1	Nitrogen, Nitrate + Nitrite E365.1 Digestion, Total P Low level Phosphorus, Total		☐ H2SO4 Yellow		1
500 mL Amber Plastic	1	Kelada-01	Cyanide, Weak Acid Dissociable		☒ NaOH		1
500 mL Plastic	1	E900.0	Gross Alpha, Gross Beta, Total		☒ HNO3		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.	1

BO#: 186550

1 of 1
CP