

Permits and Enforcement Section
Water Quality Control Division
CPDHE
4300 Cherry Creek Dr. South
Denver, CO 80246-1530

06/17/2025
25US0221

**Re: Monthly Surface Water Report for May 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 May 2025, both the SW-AWD and SW-BPL locations were sampled. The sampling date was May 14th. See the pictures from that sampling event below. The field parameters taken are showcased below as well. Attached are the laboratory analytical results.

5/14	Upstream	Sample Location	Downstream
SW-AWD			
SW-BPL			

Field Parameters

Sample Location	SW-AWD	SW-BPL
Temperature (°C)	8.7	9.7
pH (s.u.)	7.97	7.94
Conductivity (uS/cm)	226.6	248.8
ORP (mV)	260	251



Best regards,
Linkan

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

A handwritten signature in blue ink that reads "Patrick Delaney".

Enclosures:

May 2025 Surface Water Sampling Results

CC List:

Electronic Copy sent to the following:

Peter Hays, CDNR, peter.hays@state.co.us
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ANALYTICAL SUMMARY REPORT

June 11, 2025

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

Work Order: B25051252 Quote ID: B17287

Project Name: Schwartzwalder Mine

Energy Laboratories Inc Billings MT received the following 2 samples for Linkan Engineering on 5/15/2025 for analysis.

Lab ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
B25051252-001	SW-AWD	05/14/25 11:21	05/15/25	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
B25051252-002	SW-BPL	05/14/25 11:38	05/15/25	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: B25051252

Report Date: 06/11/25

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
Project: Schwartzwalder Mine
Lab ID: B25051252-001
Client Sample ID: SW-AWD

Report Date: 06/11/25
Collection Date: 05/14/25 11:21
Date Received: 05/15/25
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
Solids, Total Suspended TSS @ 105 C	4	mg/L		2		A2540 D	05/16/25 09:58 / pjw
Solids, Total Dissolved TDS @ 180 C	175	mg/L		20		A2540 C	05/16/25 16:07 / etv
INORGANICS							
Sulfate	11	mg/L		1		E300.0	05/17/25 15:39 / caa
Fluoride	0.32	mg/L		0.01		E300.0	05/17/25 15:39 / caa
Cyanide, Weak Acid Dissociable	ND	mg/L		0.001		Kelada-01	05/16/25 14:16 / fap
NUTRIENTS							
Nitrogen, Nitrate+Nitrite as N	0.03	mg/L		0.01		E353.2	05/19/25 17:03 / krt
Phosphorus, Orthophosphate as P	ND	mg/L		0.002		E365.1	05/15/25 16:46 / taz
Phosphorus, Total as P	0.013	mg/L		0.002		E365.1	05/20/25 10:40 / taz
METALS, DISSOLVED							
Copper	0.0004	mg/L	JL	0.0005		E200.8	05/28/25 09:42 / jks
Molybdenum	0.0003	mg/L		0.0001		E200.8	05/19/25 23:37 / aem
Silver	ND	mg/L	L	0.00004		E200.8	05/17/25 15:44 / aem
Uranium	0.00060	mg/L		0.00002		E200.8	05/17/25 15:44 / aem
Zinc	ND	mg/L	L	0.002		E200.8	05/28/25 09:42 / jks
METALS, TOTAL RECOVERABLE							
Antimony	ND	mg/L	L	0.0001		E200.8	05/20/25 18:55 / aem
Chromium	ND	mg/L		0.0005		E200.8	05/20/25 18:55 / aem
Thallium	ND	mg/L	L	0.0002		E200.8	05/21/25 15:23 / aem
METALS, TOTAL							
Arsenic	0.0002	mg/L		0.0001		E200.8	05/23/25 04:52 / aem
Boron	0.02	mg/L		0.01		E200.7	05/20/25 16:57 / enb
Molybdenum	0.0005	mg/L		0.0001		E200.8	05/20/25 18:55 / aem
Uranium	0.00116	mg/L		0.00002		E200.8	05/21/25 15:23 / aem
RADIONUCLIDES - TOTAL							
Gross Alpha	0.8	pCi/L	U			E900.0	06/07/25 23:26 / eli-ca
Gross Alpha precision (±)	1.2	pCi/L				E900.0	06/07/25 23:26 / eli-ca
Gross Alpha MDC	1.9	pCi/L				E900.0	06/07/25 23:26 / eli-ca
Gross Beta	2.0	pCi/L	U			E900.0	06/07/25 23:26 / eli-ca
Gross Beta precision (±)	1.4	pCi/L				E900.0	06/07/25 23:26 / eli-ca
Gross Beta MDC	2.3	pCi/L				E900.0	06/07/25 23:26 / eli-ca
Radium 226	0.3	pCi/L				E903.0	06/03/25 10:56 / eli-ca
Radium 226 precision (±)	0.1	pCi/L				E903.0	06/03/25 10:56 / eli-ca
Radium 226 MDC	0.2	pCi/L				E903.0	06/03/25 10:56 / eli-ca
Radium 228	0.3	pCi/L	U			RA-05	05/29/25 13:22 / eli-ca
Radium 228 precision (±)	0.6	pCi/L				RA-05	05/29/25 13:22 / eli-ca
Radium 228 MDC	1	pCi/L				RA-05	05/29/25 13:22 / eli-ca
Radium 226 + Radium 228	0.8	pCi/L	U			A7500-RA	06/04/25 10:12 / 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
Project: Schwartzwalder Mine
Lab ID: B25051252-001
Client Sample ID: SW-AWD

Report Date: 06/11/25
Collection Date: 05/14/25 11:21
DateReceived: 05/15/25
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - TOTAL							
Radium 226 + Radium 228 precision ($\pm$)	0.6	pCi/L				A7500-RA	06/04/25 10:12 / eli-ca
Radium 226 + Radium 228 MDC	1	pCi/L				A7500-RA	06/04/25 10:12 / 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: B25051252-002
Client Sample ID: SW-BPL

Report Date: 06/11/25
Collection Date: 05/14/25 11:38
Date Received: 05/15/25
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
Solids, Total Suspended TSS @ 105 C	5	mg/L		2		A2540 D	05/16/25 09:58 / pjw
Solids, Total Dissolved TDS @ 180 C	188	mg/L		20		A2540 C	05/16/25 16:07 / etv
INORGANICS							
Sulfate	17	mg/L		1		E300.0	05/17/25 16:30 / caa
Fluoride	0.31	mg/L		0.01		E300.0	05/17/25 16:30 / caa
Cyanide, Weak Acid Dissociable	ND	mg/L		0.001		Kelada-01	05/16/25 14:26 / fap
NUTRIENTS							
Nitrogen, Nitrate+Nitrite as N	0.06	mg/L		0.01		E353.2	05/19/25 17:04 / krt
Phosphorus, Orthophosphate as P	0.003	mg/L		0.002		E365.1	05/15/25 16:47 / taz
Phosphorus, Total as P	0.012	mg/L		0.002		E365.1	05/20/25 10:41 / taz
METALS, DISSOLVED							
Copper	0.0006	mg/L		0.0005		E200.8	05/17/25 15:49 / aem
Molybdenum	0.0010	mg/L		0.0001		E200.8	05/19/25 23:43 / aem
Silver	ND	mg/L	L	0.00004		E200.8	05/17/25 15:49 / aem
Uranium	0.0125	mg/L		0.00002		E200.8	05/17/25 15:49 / aem
Zinc	0.002	mg/L	JL	0.002		E200.8	05/17/25 15:49 / aem
METALS, TOTAL RECOVERABLE							
Antimony	ND	mg/L	L	0.0001		E200.8	05/20/25 19:01 / aem
Chromium	ND	mg/L		0.0005		E200.8	05/20/25 19:01 / aem
Thallium	ND	mg/L	L	0.0002		E200.8	05/21/25 15:28 / aem
METALS, TOTAL							
Arsenic	0.0002	mg/L		0.0001		E200.8	05/23/25 05:08 / aem
Boron	0.02	mg/L		0.01		E200.7	05/20/25 17:06 / enb
Molybdenum	0.0019	mg/L		0.0001		E200.8	05/20/25 19:01 / aem
Uranium	0.0234	mg/L		0.00002		E200.8	05/21/25 15:28 / aem
RADIONUCLIDES - TOTAL							
Gross Alpha	9.5	pCi/L				E900.0	06/07/25 23:26 / eli-ca
Gross Alpha precision (±)	3.2	pCi/L				E900.0	06/07/25 23:26 / eli-ca
Gross Alpha MDC	2.5	pCi/L				E900.0	06/07/25 23:26 / eli-ca
Gross Beta	7.2	pCi/L				E900.0	06/07/25 23:26 / eli-ca
Gross Beta precision (±)	1.6	pCi/L				E900.0	06/07/25 23:26 / eli-ca
Gross Beta MDC	2.6	pCi/L				E900.0	06/07/25 23:26 / eli-ca
Radium 226	0.08	pCi/L	U			E903.0	06/03/25 10:56 / eli-ca
Radium 226 precision (±)	0.1	pCi/L				E903.0	06/03/25 10:56 / eli-ca
Radium 226 MDC	0.2	pCi/L				E903.0	06/03/25 10:56 / eli-ca
Radium 228	0.2	pCi/L	U			RA-05	05/29/25 13:22 / eli-ca
Radium 228 precision (±)	0.6	pCi/L				RA-05	05/29/25 13:22 / eli-ca
Radium 228 MDC	1.0	pCi/L				RA-05	05/29/25 13:22 / eli-ca
Radium 226 + Radium 228	0.6	pCi/L	U			A7500-RA	06/04/25 10:12 / eli-ca

Report Definitions:
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 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: B25051252-002
Client Sample ID: SW-BPL

Report Date: 06/11/25
Collection Date: 05/14/25 11:38
DateReceived: 05/15/25
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - TOTAL							
Radium 226 + Radium 228 precision ($\pm$)	0.6	pCi/L				A7500-RA	06/04/25 10:12 / eli-ca
Radium 226 + Radium 228 MDC	1.0	pCi/L				A7500-RA	06/04/25 10:12 / eli-ca

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

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



QA/QC Summary Report

Prepared by Billings, MT Branch

Work Order: B25051252

Report Date: 05/28/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2540 C									Batch: TDS20250516E	
Lab ID: MBLK_20250516-12	Method Blank					Run: Bal #30_250516G			05/16/25 16:06	
Solids, Total Dissolved TDS @ 180 C	ND	mg/L		20						
Lab ID: LCS_20250516-7	Laboratory Control Sample					Run: Bal #30_250516G			05/16/25 16:06	
Solids, Total Dissolved TDS @ 180 C	933	mg/L		25	93	90	110			
Lab ID: B25051376-007ADUP	Sample Duplicate					Run: Bal #30_250516G			05/16/25 16:09	
Solids, Total Dissolved TDS @ 180 C	109	mg/L		25				2.5	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: B25051252

Report Date: 05/28/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2540 D								Batch: TSS20250516A		
Lab ID: MBLK_20250516-4	Method Blank					Run: BAL #30_250516A		05/16/25 09:57		
Solids, Total Suspended TSS @ 105 C	ND	mg/L		0.6						
Lab ID: LCS_20250516-2	Laboratory Control Sample					Run: BAL #30_250516A		05/16/25 09:57		
Solids, Total Suspended TSS @ 105 C	102	mg/L		25	102	80	120			
Lab ID: B25051259-001BDUP	Sample Duplicate					Run: BAL #30_250516A		05/16/25 09:58		
Solids, Total Suspended TSS @ 105 C	9.80	mg/L		10				10	J	

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: B25051252

Report Date: 05/28/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E300.0						Analytical Run: IC METROHM 2_250516A				
Lab ID: ICV	2	Initial Calibration Verification Standard								05/16/25 10:54
Sulfate		104	mg/L	1.0	104	90	110			
Fluoride		1.30	mg/L	0.10	104	90	110			
Lab ID: CCV	2	Continuing Calibration Verification Standard								05/17/25 15:22
Sulfate		104	mg/L	1.0	104	90	110			
Fluoride		1.27	mg/L	0.10	101	90	110			
Method: E300.0						Batch: R441631				
Lab ID: ICB	2	Method Blank								Run: IC METROHM 2_250516A 05/16/25 11:11
Sulfate		ND	mg/L	0.7						
Fluoride		ND	mg/L	0.009						
Lab ID: LFB	2	Laboratory Fortified Blank								Run: IC METROHM 2_250516A 05/16/25 11:28
Sulfate		104	mg/L	1.1	104	90	110			
Fluoride		1.37	mg/L	0.10	110	90	110			
Lab ID: B25051252-001BMS	2	Sample Matrix Spike								Run: IC METROHM 2_250516A 05/17/25 15:56
Sulfate		119	mg/L	1.1	108	90	110			
Fluoride		1.64	mg/L	0.10	106	90	110			
Lab ID: B25051252-001BMSD	2	Sample Matrix Spike Duplicate								Run: IC METROHM 2_250516A 05/17/25 16:13
Sulfate		119	mg/L	1.1	109	90	110	0.1	20	
Fluoride		1.64	mg/L	0.10	106	90	110	0.1	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: B25051252

Report Date: 05/28/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E353.2								Analytical Run: FIA203-B_250519A		
Lab ID: ICV	Initial Calibration Verification Standard						05/19/25 16:29			
Nitrogen, Nitrate+Nitrite as N		0.547	mg/L	0.010	97	90	110			
Lab ID: CCV_20250519-8	Continuing Calibration Verification Standard						05/19/25 16:53			
Nitrogen, Nitrate+Nitrite as N		0.996	mg/L	0.010	100	90	110			
Method: E353.2								Batch: R441691		
Lab ID: FilterMBLK	Method Blank						Run: FIA203-B_250519A		05/19/25 16:30	
Nitrogen, Nitrate+Nitrite as N		ND	mg/L	0.009						
Lab ID: MBLK_20250519-3	Method Blank						Run: FIA203-B_250519A		05/19/25 16:32	
Nitrogen, Nitrate+Nitrite as N		ND	mg/L	0.009						
Lab ID: FilterLFB	Laboratory Fortified Blank						Run: FIA203-B_250519A		05/19/25 16:34	
Nitrogen, Nitrate+Nitrite as N		1.03	mg/L	0.010	103	90	110			
Lab ID: LFB_20250519-1	Laboratory Fortified Blank						Run: FIA203-B_250519A		05/19/25 16:35	
Nitrogen, Nitrate+Nitrite as N		1.02	mg/L	0.010	102	90	110			
Lab ID: B25051109-001AMS	Sample Matrix Spike						Run: FIA203-B_250519A		05/19/25 16:56	
Nitrogen, Nitrate+Nitrite as N		2.61	mg/L	0.020	103	90	110			
Lab ID: B25051109-001AMSD	Sample Matrix Spike Duplicate						Run: FIA203-B_250519A		05/19/25 16:57	
Nitrogen, Nitrate+Nitrite as N		2.64	mg/L	0.020	105	90	110	1.5	10	
Lab ID: B25051008-004AMS	Sample Matrix Spike						Run: FIA203-B_250519A		05/19/25 19:03	
Nitrogen, Nitrate+Nitrite as N		0.895	mg/L	0.010	87	90	110			S
Lab ID: B25051008-004AMSD	Sample Matrix Spike Duplicate						Run: FIA203-B_250519A		05/19/25 19:04	
Nitrogen, Nitrate+Nitrite as N		0.889	mg/L	0.010	87	90	110	0.7	10	S

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)

S - Spike recovery outside of advisory limits

QA/QC Summary Report

Prepared by Billings, MT Branch

Work Order: B25051252

Report Date: 05/28/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E365.1								Analytical Run: FIA204-B_250515B		
Lab ID: ICB	Initial Calibration Verification Standard			05/15/25 16:30						
Phosphorus, Orthophosphate as P	0.246	mg/L	0.0050	98	90	110				
Lab ID: CCV	Continuing Calibration Verification Standard			05/15/25 16:48						
Phosphorus, Orthophosphate as P	0.486	mg/L	0.0050	97	90	110				
Method: E365.1								Batch: R441505		
Lab ID: ICB	Method Blank			Run: FIA204-B_250515B				05/15/25 16:32		
Phosphorus, Orthophosphate as P	ND	mg/L	0.001							
Lab ID: LFB	Laboratory Fortified Blank			Run: FIA204-B_250515B				05/15/25 16:33		
Phosphorus, Orthophosphate as P	0.247	mg/L	0.0050	99	90	110				
Lab ID: B25051198-001BMS	Sample Matrix Spike			Run: FIA204-B_250515B				05/15/25 16:40		
Phosphorus, Orthophosphate as P	253	mg/L	1.0	94	90	110				
Lab ID: B25051198-001BMSD	Sample Matrix Spike Duplicate			Run: FIA204-B_250515B				05/15/25 16:41		
Phosphorus, Orthophosphate as P	259	mg/L	1.0	98	90	110	2.3	10		
Method: E365.1								Analytical Run: SEAL201-B_250520A		
Lab ID: ICB-198785	Initial Calibration Verification Standard			05/20/25 09:53						
Phosphorus, Total as P	0.501	mg/L	0.0050	100	90	110				
Lab ID: CCV-198785	Continuing Calibration Verification Standard			05/20/25 10:29						
Phosphorus, Total as P	0.525	mg/L	0.0050	105	90	110				
Method: E365.1								Batch: 199857		
Lab ID: MB-199857	Method Blank			Run: SEAL201-B_250520A				05/20/25 10:32		
Phosphorus, Total as P	ND	mg/L	0.002							
Lab ID: LCS-199857	Laboratory Control Sample			Run: SEAL201-B_250520A				05/20/25 10:33		
Phosphorus, Total as P	0.190	mg/L	0.0050	95	90	110				
Lab ID: B25051233-001EMS	Sample Matrix Spike			Run: SEAL201-B_250520A				05/20/25 10:35		
Phosphorus, Total as P	0.324	mg/L	0.0020	102	90	110				
Lab ID: B25051233-001EMSD	Sample Matrix Spike Duplicate			Run: SEAL201-B_250520A				05/20/25 10:36		
Phosphorus, Total as P	0.328	mg/L	0.0020	104	90	110	1.3	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: B25051252

Report Date: 05/28/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: Kelada-01								Analytical Run: SFA-202-B_250516A		
Lab ID: ICV	Initial Calibration Verification Standard			05/16/25 13:55						
Cyanide, Weak Acid Dissociable	0.0109	mg/L	0.0010	109	90	110				
Method: Kelada-01								Batch: R441572		
Lab ID: ICB	Method Blank			Run: SFA-202-B_250516A						
Cyanide, Weak Acid Dissociable	ND	mg/L	0.0007	05/16/25 13:57						
Lab ID: LFB	Laboratory Fortified Blank			Run: SFA-202-B_250516A						
Cyanide, Weak Acid Dissociable	0.0107	mg/L	0.0010	107	90	110	05/16/25 14:00			
Lab ID: LCS1-ZnCN	Laboratory Control Sample			Run: SFA-202-B_250516A						
Cyanide, Weak Acid Dissociable	0.0110	mg/L	0.0010	110	90	110	05/16/25 14:02			
Lab ID: B25051252-001GMS	Sample Matrix Spike			Run: SFA-202-B_250516A						
Cyanide, Weak Acid Dissociable	0.0119	mg/L	0.0010	119	80	120	05/16/25 14:18			
Lab ID: B25051252-001GMSD	Sample Matrix Spike Duplicate			Run: SFA-202-B_250516A						
Cyanide, Weak Acid Dissociable	0.0117	mg/L	0.0010	117	80	120	1.4	10	05/16/25 14:22	

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)



QA/QC Summary Report

Prepared by Billings, MT Branch

Work Order: B25051252

Report Date: 05/28/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method:	E200.7							Analytical Run: ICP205-B_250520A		
Lab ID:	ICV	Continuing Calibration Verification Standard							05/20/25 12:46	
Boron		2.57	mg/L	0.10	103	95	105			
Lab ID:	CCV	Continuing Calibration Verification Standard							05/20/25 16:49	
Boron		2.56	mg/L	0.10	102	90	110			
Lab ID:	CCV	Continuing Calibration Verification Standard							05/20/25 17:03	
Boron		2.54	mg/L	0.10	102	90	110			
Method:	E200.7							Batch: 199922		
Lab ID:	MB-199922	Method Blank				Run: ICP205-B_250520A			05/20/25 16:45	
Boron		ND	mg/L	0.008						
Lab ID:	LCS3-199922	Laboratory Control Sample				Run: ICP205-B_250520A			05/20/25 16:46	
Boron		1.06	mg/L	0.10	106	85	115			
Lab ID:	B25051252-001EMS3	Sample Matrix Spike				Run: ICP205-B_250520A			05/20/25 17:01	
Boron		1.03	mg/L	0.050	102	70	130			
Lab ID:	B25051252-001EMSD3	Sample Matrix Spike Duplicate				Run: ICP205-B_250520A			05/20/25 17:02	
Boron		1.07	mg/L	0.050	105	70	130	3.3	20	
Lab ID:	B25051257-001CMS3	Sample Matrix Spike				Run: ICP205-B_250520A			05/20/25 17:11	
Boron		1.08	mg/L	0.050	105	70	130			
Lab ID:	B25051257-001CMSD3	Sample Matrix Spike Duplicate				Run: ICP205-B_250520A			05/20/25 17:12	
Boron		1.06	mg/L	0.050	103	70	130	2.5	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: B25051252

Report Date: 05/28/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8						Analytical Run: ICPMS207-B_250516B				
Lab ID: QCS	4	Initial Calibration Verification Standard							05/17/25 14:45	
Copper		0.0373	mg/L	0.010	93	90	110			
Silver		0.0189	mg/L	0.0050	94	90	110			
Uranium		0.0379	mg/L	0.00030	95	90	110			
Zinc		0.0380	mg/L	0.0050	95	90	110			
Lab ID: CCV	4	Continuing Calibration Verification Standard							05/17/25 14:51	
Copper		0.0462	mg/L	0.010	92	90	110			
Silver		0.0185	mg/L	0.0050	93	90	110			
Uranium		0.0496	mg/L	0.00030	99	90	110			
Zinc		0.0470	mg/L	0.0050	94	90	110			
Method: E200.8						Batch: R441595				
Lab ID: LRB	4	Method Blank				Run: ICPMS207-B_250516B			05/16/25 12:38	
Copper		ND	mg/L	0.00005						
Silver		ND	mg/L	3E-6						
Uranium		0.00002	mg/L	7E-6						
Zinc		ND	mg/L	0.001						
Lab ID: LFB	4	Laboratory Fortified Blank				Run: ICPMS207-B_250516B			05/16/25 12:55	
Copper		0.0480	mg/L	0.010	96	85	115			
Silver		0.0202	mg/L	0.0050	101	85	115			
Uranium		0.0551	mg/L	0.00030	110	85	115			
Zinc		0.0509	mg/L	0.0050	102	85	115			
Lab ID: B25051265-001BMS	4	Sample Matrix Spike				Run: ICPMS207-B_250516B			05/17/25 16:24	
Copper		0.0474	mg/L	0.0050	95	70	130			
Silver		0.0204	mg/L	0.0010	102	70	130			
Uranium		0.0553	mg/L	0.00030	110	70	130			
Zinc		0.0489	mg/L	0.010	98	70	130			
Lab ID: B25051265-001BMSD	4	Sample Matrix Spike Duplicate				Run: ICPMS207-B_250516B			05/17/25 16:30	
Copper		0.0459	mg/L	0.0050	91	70	130	3.4	20	
Silver		0.0198	mg/L	0.0010	99	70	130	2.8	20	
Uranium		0.0533	mg/L	0.00030	106	70	130	3.8	20	
Zinc		0.0475	mg/L	0.010	95	70	130	2.9	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: B25051252

Report Date: 05/28/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8						Analytical Run: ICPMS207-B_250519A				
Lab ID: QCS	3	Initial Calibration Verification Standard							05/19/25 15:56	
Antimony		0.0399	mg/L	0.0050	100	90	110			
Chromium		0.0375	mg/L	0.010	94	90	110			
Molybdenum		0.0395	mg/L	0.0050	99	90	110			
Lab ID: CCV	3	Continuing Calibration Verification Standard							05/19/25 23:25	
Antimony		0.0505	mg/L	0.0050	101	90	110			
Chromium		0.0477	mg/L	0.010	95	90	110			
Molybdenum		0.0507	mg/L	0.0050	101	90	110			
Lab ID: QCS	3	Initial Calibration Verification Standard							05/20/25 16:41	
Antimony		0.0392	mg/L	0.0050	98	90	110			
Chromium		0.0367	mg/L	0.010	92	90	110			
Molybdenum		0.0389	mg/L	0.0050	97	90	110			
Lab ID: CCV	3	Continuing Calibration Verification Standard							05/20/25 18:08	
Antimony		0.0492	mg/L	0.0050	98	90	110			
Chromium		0.0468	mg/L	0.010	94	90	110			
Molybdenum		0.0497	mg/L	0.0050	99	90	110			
Method: E200.8						Batch: 199922				
Lab ID: MB-199922	6	Method Blank				Run: ICPMS207-B_250519A			05/20/25 17:10	
Antimony		ND	mg/L	0.00008						
Arsenic		ND	mg/L	0.0002						
Chromium		ND	mg/L	0.0005						
Molybdenum		ND	mg/L	0.00009						
Thallium		ND	mg/L	0.0002						
Uranium		ND	mg/L	0.00002						
Lab ID: LCS4-199922	6	Laboratory Control Sample				Run: ICPMS207-B_250519A			05/20/25 17:16	
Antimony		0.113	mg/L	0.0050	113	85	115			
Arsenic		0.0934	mg/L	0.0010	93	85	115			
Chromium		0.0908	mg/L	0.0010	91	85	115			
Molybdenum		0.109	mg/L	0.0050	109	85	115			
Thallium		0.0953	mg/L	0.0010	95	85	115			
Uranium		0.0995	mg/L	0.00030	99	85	115			
Lab ID: B25050103-010BMS4	6	Sample Matrix Spike				Run: ICPMS207-B_250519A			05/20/25 17:39	
Antimony		0.106	mg/L	0.0010	106	70	130			
Arsenic		0.0952	mg/L	0.0010	95	70	130			
Chromium		0.0923	mg/L	0.0050	92	70	130			
Molybdenum		0.108	mg/L	0.0010	106	70	130			
Thallium		0.0836	mg/L	0.00050	84	70	130			
Uranium		0.111	mg/L	0.00030	99	70	130			
Lab ID: B25050103-010BMSD4	6	Sample Matrix Spike Duplicate				Run: ICPMS207-B_250519A			05/20/25 17:45	
Antimony		0.108	mg/L	0.0010	108	70	130	2.4	20	
Arsenic		0.0943	mg/L	0.0010	94	70	130	1.0	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: B25051252

Report Date: 05/28/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8										Batch: 199922
Lab ID: B25050103-010BMSD4	6	Sample Matrix Spike Duplicate				Run: ICPMS207-B_250519A				05/20/25 17:45
Chromium		0.0922	mg/L	0.0050	92	70	130	0.1	20	
Molybdenum		0.110	mg/L	0.0010	108	70	130	2.3	20	
Thallium		0.0849	mg/L	0.00050	85	70	130	1.5	20	
Uranium		0.115	mg/L	0.00030	103	70	130	3.3	20	
Lab ID: B25051261-001CMS4	6	Sample Matrix Spike				Run: ICPMS207-B_250519A				05/20/25 19:30
Antimony		0.105	mg/L	0.0010	105	70	130			
Arsenic		0.0916	mg/L	0.0010	91	70	130			
Chromium		0.0941	mg/L	0.0050	88	70	130			
Molybdenum		0.103	mg/L	0.0010	103	70	130			
Thallium		0.0952	mg/L	0.00050	95	70	130			
Uranium		0.0996	mg/L	0.00030	99	70	130			
Lab ID: B25051261-001CMSD4	6	Sample Matrix Spike Duplicate				Run: ICPMS207-B_250519A				05/20/25 19:36
Antimony		0.113	mg/L	0.0010	113	70	130	7.7	20	
Arsenic		0.0944	mg/L	0.0010	94	70	130	2.9	20	
Chromium		0.0958	mg/L	0.0050	90	70	130	1.8	20	
Molybdenum		0.112	mg/L	0.0010	111	70	130	7.6	20	
Thallium		0.0972	mg/L	0.00050	97	70	130	2.1	20	
Uranium		0.105	mg/L	0.00030	105	70	130	5.5	20	
Method: E200.8										Batch: R441653
Lab ID: LRB		Method Blank				Run: ICPMS207-B_250519A				05/19/25 12:02
Molybdenum		ND	mg/L	0.00002						
Lab ID: LFB		Laboratory Fortified Blank				Run: ICPMS207-B_250519A				05/19/25 12:19
Molybdenum		0.0534	mg/L	0.0050	107	85	115			
Lab ID: B25051172-002BMS		Sample Matrix Spike				Run: ICPMS207-B_250519A				05/19/25 22:39
Molybdenum		0.280	mg/L	0.0010	110	70	130			
Lab ID: B25051172-002BMSD		Sample Matrix Spike Duplicate				Run: ICPMS207-B_250519A				05/19/25 22:44
Molybdenum		0.282	mg/L	0.0010	111	70	130	1.0	20	
Lab ID: B25051034-004AMS		Sample Matrix Spike				Run: ICPMS207-B_250519A				05/20/25 22:56
Molybdenum		0.0588	mg/L	0.0010	118	70	130			
Lab ID: B25051034-004AMSD		Sample Matrix Spike Duplicate				Run: ICPMS207-B_250519A				05/20/25 23:01
Molybdenum		0.0576	mg/L	0.0010	115	70	130	2.1	20	

Qualifiers:

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QA/QC Summary Report

Prepared by Billings, MT Branch

Work Order: B25051252

Report Date: 05/28/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8 Analytical Run: ICPMS209-B_250521A										
Lab ID: QCS	2	Initial Calibration Verification Standard 05/21/25 11:47								
Thallium		0.0374	mg/L	0.0050	93	90	110			
Uranium		0.0386	mg/L	0.00030	96	90	110			
Lab ID: CCV 2 Continuing Calibration Verification Standard 05/21/25 14:32										
Thallium		0.0481	mg/L	0.0050	96	90	110			
Uranium		0.0492	mg/L	0.00030	98	90	110			
Method: E200.8 Batch: 199922										
Lab ID: MB-199922	2	Method Blank Run: ICPMS209-B_250521A 05/21/25 13:52								
Thallium		ND	mg/L	0.00008						
Uranium		0.00001	mg/L	0.00001						
Method: E200.8 Analytical Run: ICPMS209-B_250522A										
Lab ID: QCS		Initial Calibration Verification Standard 05/23/25 01:12								
Arsenic		0.0364	mg/L	0.0050	91	90	110			
Lab ID: CCV Continuing Calibration Verification Standard 05/23/25 03:38										
Arsenic		0.0456	mg/L	0.0050	91	90	110			
Lab ID: CCV Continuing Calibration Verification Standard 05/23/25 04:57										
Arsenic		0.0451	mg/L	0.0050	90	90	110			
Method: E200.8 Batch: 199922										
Lab ID: MB-199922		Method Blank Run: ICPMS209-B_250522A 05/23/25 04:46								
Arsenic		ND	mg/L	0.00003						

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)



QA/QC Summary Report

Prepared by Billings, MT Branch

Work Order: B25051252

Report Date: 05/28/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8						Analytical Run: ICPMS209-B_250527A				
Lab ID: QCS	2	Initial Calibration Verification Standard								05/28/25 01:20
Copper		0.0365	mg/L	0.010	91	90	110			
Zinc		0.0367	mg/L	0.0050	92	90	110			
Lab ID: CCV	2	Continuing Calibration Verification Standard								05/28/25 08:14
Copper		0.0459	mg/L	0.010	92	90	110			
Zinc		0.0460	mg/L	0.0050	92	90	110			
Lab ID: CCV	2	Continuing Calibration Verification Standard								05/28/25 08:52
Copper		0.0457	mg/L	0.010	91	90	110			
Zinc		0.0466	mg/L	0.0050	93	90	110			
Method: E200.8						Batch: R443085				
Lab ID: LRB	2	Method Blank								Run: ICPMS209-B_250527A 05/27/25 10:00
Copper		ND	mg/L	0.00005						
Zinc		ND	mg/L	0.001						
Lab ID: LFB	2	Laboratory Fortified Blank								Run: ICPMS209-B_250527A 05/27/25 10:17
Copper		0.0481	mg/L	0.010	96	85	115			
Zinc		0.0484	mg/L	0.0050	97	85	115			
Lab ID: B25051659-001BMS	2	Sample Matrix Spike								Run: ICPMS209-B_250527A 05/28/25 08:25
Copper		0.226	mg/L	0.0050	87	70	130			
Zinc		0.327	mg/L	0.010	81	70	130			
Lab ID: B25051659-001BMSD	2	Sample Matrix Spike Duplicate								Run: ICPMS209-B_250527A 05/28/25 08:30
Copper		0.230	mg/L	0.0050	88	70	130	1.7	20	
Zinc		0.340	mg/L	0.010	86	70	130	4.0	20	

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)



QA/QC Summary Report

Prepared by Casper, WY Branch

Work Order: B25051252

Report Date: 06/11/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E900.0										Batch: GrAB-3418
Lab ID: Th230-GrAB-3418	3	Laboratory Control Sample				Run: TENNELEC-4_250604A				06/07/25 21:52
Gross Alpha		84	pCi/L		83	70	130			
Gross Alpha precision ($\pm$)		18	pCi/L							
Gross Alpha MDC		1.5	pCi/L							
Lab ID: Sr90-GrAB-3418	3	Laboratory Control Sample				Run: TENNELEC-4_250604A				06/07/25 21:52
Gross Beta		170	pCi/L		92	70	130			
Gross Beta precision ($\pm$)		11	pCi/L							
Gross Beta MDC		2.2	pCi/L							
Lab ID: MB-GrAB-3418	6	Method Blank				Run: TENNELEC-4_250604A				06/07/25 21:52
Gross Alpha		-2	pCi/L							U
Gross Alpha precision ($\pm$)		0.7	pCi/L							
Gross Alpha MDC		1	pCi/L							
Gross Beta		-0.4	pCi/L							U
Gross Beta precision ($\pm$)		1	pCi/L							
Gross Beta MDC		2	pCi/L							
Lab ID: C25050475-001HMS	3	Sample Matrix Spike				Run: TENNELEC-4_250604A				06/07/25 21:52
Gross Alpha		97	pCi/L		95	70	130			
Gross Alpha precision ($\pm$)		22	pCi/L							
Gross Alpha MDC		2.6	pCi/L							
Lab ID: C25050475-001HMSD	3	Sample Matrix Spike Duplicate				Run: TENNELEC-4_250604A				06/07/25 23:26
Gross Alpha		92	pCi/L		90	70	130	5.1	30	
Gross Alpha precision ($\pm$)		21	pCi/L							
Gross Alpha MDC		2.5	pCi/L							
- The RER result is 0.16.										
Lab ID: C25050553-001AMS1	3	Sample Matrix Spike				Run: TENNELEC-4_250604A				06/07/25 23:26
Gross Beta		190	pCi/L		102	70	130			
Gross Beta precision ($\pm$)		13	pCi/L							
Gross Beta MDC		2.6	pCi/L							
Lab ID: C25050553-001AMSD1	3	Sample Matrix Spike Duplicate				Run: TENNELEC-4_250604A				06/07/25 23:26
Gross Beta		190	pCi/L		98	70	130	3.9	30	
Gross Beta precision ($\pm$)		13	pCi/L							
Gross Beta MDC		2.7	pCi/L							
- The RER result is 0.40.										

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: B25051252

Report Date: 06/11/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E903.0										Batch: RA226-11681
Lab ID: LCS-RA226-11681	3	Laboratory Control Sample			Run: TENNELEC-4_250521E			06/03/25 10:56		
Radium 226		9.1	pCi/L	91		70	130			
Radium 226 precision (±)		1.5	pCi/L							
Radium 226 MDC		0.18	pCi/L							
Lab ID: MB-RA226-11681	3	Method Blank			Run: TENNELEC-4_250521E			06/03/25 10:56		
Radium 226		-0.002	pCi/L							U
Radium 226 precision (±)		0.09	pCi/L							
Radium 226 MDC		0.2	pCi/L							
Lab ID: C25050219-001DDUP	3	Sample Duplicate			Run: TENNELEC-4_250521E			06/03/25 10:56		
Radium 226		4.2	pCi/L					12	30	
Radium 226 precision (±)		0.72	pCi/L							
Radium 226 MDC		0.19	pCi/L							
- The RER result is 0.50.										

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: B25051252

Report Date: 06/11/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: RA-05										Batch: RA228-7652
Lab ID: LCS-228-RA226-11681	3	Laboratory Control Sample				Run: TENNELEC-4_250521B				05/29/25 13:22
Radium 228		7.9	pCi/L	85		70	130			
Radium 228 precision (±)		2.1	pCi/L							
Radium 228 MDC		1.0	pCi/L							
Lab ID: MB-RA226-11681	3	Method Blank				Run: TENNELEC-4_250521B				05/29/25 13:22
Radium 228		0.9	pCi/L							U
Radium 228 precision (±)		0.6	pCi/L							
Radium 228 MDC		1	pCi/L							
Lab ID: C25050219-001DDUP	3	Sample Duplicate				Run: TENNELEC-4_250521B				05/29/25 13:22
Radium 228		1.1	pCi/L					10	30	
Radium 228 precision (±)		0.66	pCi/L							
Radium 228 MDC		0.99	pCi/L							
- The RER result is 0.13.										

Qualifiers:

RL - Analyte Reporting Limit
U - Not detected

ND - Not detected at the Reporting Limit (RL)



Work Order Receipt Checklist

Linkan Engineering

B25051252

Login completed by: Kyelie L. Pflock

Date Received: 5/15/2025

Reviewed by: cindy

Received by: CMJ

Reviewed Date: 5/23/2025

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:	5.6°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:

None

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



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Chain of Custody & Analytical Request Record

www.energylab.com

Page of

Account Information (Billing Information)

Company/Name	Linkan
Contact	Chris Prosser
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
Quote	17287
Purchase Order	25-0152
Receive Report	☐ Hard Copy ☒ Email
Bottle Order	193746

Report Information (if different than Account Information)

Company/Name	Linkan
Contact	Alex Schwiebert
Phone	775-897-6779
Mailing Address	2720 Ruby Vista Dr
City, State, Zip	Elko, NV 89801
Email	see comments
Receive Report	☐ Hard Copy ☒ Email
Special Report/Forms:	☐ LEVEL IV ☐ NELAC ☒ EDD/EDT (contact laboratory) ☐ Other

Comments

Monthly Consent order Sampling
Please email Report and EDD results to:
Chris.Prosser@linkan.com
adam.billin@linkan.com
alex.schwiebert@linkan.com
peter.hays@state.co.us

Project Information

Project Name, PWSID, Permit, etc.	Schwarzwald Mine
Sampler Name	Bryant Arcene
Sampler Phone	720-238-069
Sample Origin State	CO
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

Low Level Radionuclides	Metals, Dissolved	Metals, Total	Nitrate + Nitrite	Cyanide, WAD	Gross Alpha, Gross Beta, Total	Radium 226+228	See Attached
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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

Sample Identification (Name, Location, Interval, etc.)	Collection Date	Time	Number of Containers	Matrix (See Codes Above)	Received by (print)		Signature	Date/Time	Signature	Date/Time	Signature	Amount	Receipt Number (cash/check only)
					Received by (print)	Signature							
1 SW - AWD	5/14/25	11:21	9	W	Received by Laboratory (print)	Signature	Signature	5/15/25 1050	Signature				
2 SW - BPL	5/14/25	11:38	9	W									
3													
4													
5													
6													
7													
8													
9													

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	Relinquished by (print)	Signature	Relinquished by (print)	Signature	Relinquished by (print)	Signature	Relinquished by (print)	Signature	Relinquished by (print)	Signature	Relinquished by (print)	Signature
Shipped By	Cooler ID(s)	Custody Seals	Intact	Receipt Temp °C	Temp Blank	On Ice	Payment Type	Amount	Receipt Number (cash/check only)					

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 193746



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: Chris Prosper

400 Corporate Circle, Suite H

Golden CO 80401

Phone: (719) 247-0564

Project: Schwartzwalder Mine - Table 1.1

Order Created by: Yvonna E. Smith

Shipped From: Billings, MT

Ship Date: 4/17/2025

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 (4 Sets)

120 mL Plastic	1	E365.1	Low Level Phosphorus, Orthophosphate as P	48.00 hrs		Filter Sample	1
1 Liter Plastic	1	E300.0 A2540 C	Anions by Ion Chromatography Solids, Total Dissolved				1
1 Liter Plastic Wide Mouth	1	A2540 D	Solids, Total Suspended			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		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

BO#: 193746

1 of 2

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
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Comments



HNO3 - Nitric Acid



H2SO4 - Sulfuric Acid



NaOH - Sodium Hydroxide



ZnAc - Zinc Acetate



HCl - Hydrochloric Acid



H3PO4 - Phosphoric Acid

We strongly suggest that the samples are 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.