STATE OF COLORADO

Hays - DNR, Peter <peter.hays@state.co.us>

B25080723_Schwartzwalder Mine

1 message

Stacie M. Helms <SHelms@energylab.com> Thu, Sep 11, 2025 at 10:46 AM
To: "Adam.billin@linkan.com" <Adam.billin@linkan.com>, "Alex.schwiebert@linkan.com" <Alex.schwiebert@linkan.com>, "ap@linkan.com" <ap@linkan.com>, "chris.prosper@linkan.com" <chris.prosper@linkan.com>, "Peter.hays@state.co.us" <Peter.hays@state.co.us>

Thank you for choosing Energy Laboratories Inc. for your analytical testing needs. Your final report for the samples received has been attached to this message. A hard copy will only be mailed if previously requested.

If you have questions about your results, our Project Management team is happy to help. You can reach them at **billingspm@energylab.com** or **406-252-6325**.

We're always working to improve—and your input matters.

Please take 30 seconds to share your feedback by clicking the link or scanning the QR code below:

👉 [Give Feedback]

Your feedback goes directly to our leadership team to ensure we meet your expectations.

Please do not reply to this email.

Sincerely,

Energy Laboratories, Inc.

Trust our People. Trust our Data.

Stacie Helms | Administrative Assistant | Billings, MT

O: 406-869-6295 | shelms@energylab.com | www.energylab.com

2 attachments

B25080723-EDD-ELICSV-WITH-HEADER-1.CSV
9K

B25080723-FINAL REPORT-1.PDF
2321K

ANALYTICAL SUMMARY REPORT

September 10, 2025

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

Work Order: B25080723 Quote ID: B17287

Project Name: Schwartzwalder Mine

Energy Laboratories Inc Billings MT received the following 1 sample for Linkan Engineering on 8/8/2025 for analysis.

Lab ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
B25080723-001	SW-BPL	08/07/25 10:50	08/08/25	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

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: B25080723

Report Date: 09/10/25

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: B25080723-001
Client Sample ID: SW-BPL

Report Date: 09/10/25
Collection Date: 08/07/25 10:50
DateReceived: 08/08/25
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
Solids, Total Suspended TSS @ 105 C	0.6	mg/L	J	2		A2540 D	08/11/25 09:29 / pjw
Solids, Total Dissolved TDS @ 180 C	136	mg/L		20		A2540 C	08/11/25 12:04 / etv
INORGANICS							
Sulfate	13	mg/L		1		E300.0	08/09/25 23:43 / caa
Fluoride	0.07	mg/L		0.01		E300.0	08/09/25 23:43 / caa
Cyanide, Weak Acid Dissociable	ND	mg/L		0.001		Kelada-01	08/08/25 16:31 / fap
NUTRIENTS							
Nitrogen, Nitrate+Nitrite as N	0.01	mg/L		0.01		E353.2	08/11/25 17:22 / rs4
Phosphorus, Orthophosphate as P	ND	mg/L		0.002		E365.1	08/08/25 16:45 / taz
Phosphorus, Total as P	ND	mg/L		0.002		E365.1	08/22/25 11:03 / taz
METALS, DISSOLVED							
Copper	0.0001	mg/L	JL	0.0005		E200.8	08/13/25 09:57 / jks
Molybdenum	0.0033	mg/L		0.0001		E200.8	08/12/25 08:12 / jks
Silver	ND	mg/L	L	0.00004		E200.8	08/12/25 08:12 / jks
Uranium	0.0220	mg/L		0.00002		E200.8	08/14/25 09:28 / jks
Zinc	ND	mg/L	L	0.002		E200.8	08/12/25 08:12 / jks
METALS, TOTAL RECOVERABLE							
Antimony	ND	mg/L	L	0.0001		E200.8	08/15/25 05:21 / jks
Chromium	ND	mg/L		0.0005		E200.8	08/15/25 05:21 / jks
Thallium	ND	mg/L	L	0.0002		E200.8	08/15/25 05:21 / jks
METALS, TOTAL							
Arsenic	0.0038	mg/L		0.0005		E200.8	08/14/25 08:58 / jks
Boron	0.16	mg/L		0.01		E200.7	08/13/25 19:10 / jaw
Molybdenum	0.0029	mg/L		0.0001		E200.8	08/15/25 05:21 / jks
Uranium	0.0216	mg/L		0.00005		E200.8	08/14/25 08:58 / jks
RADIONUCLIDES - TOTAL							
Gross Alpha	13.9	pCi/L				E900.0	08/26/25 02:30 / eli-ca
Gross Alpha precision (±)	3.7	pCi/L				E900.0	08/26/25 02:30 / eli-ca
Gross Alpha MDC	1.9	pCi/L				E900.0	08/26/25 02:30 / eli-ca
Gross Beta	4.7	pCi/L				E900.0	08/26/25 02:30 / eli-ca
Gross Beta precision (±)	1.2	pCi/L				E900.0	08/26/25 02:30 / eli-ca
Gross Beta MDC	2.5	pCi/L				E900.0	08/26/25 02:30 / eli-ca
Radium 226	0.2	pCi/L	U			E903.0	08/25/25 17:57 / eli-ca
Radium 226 precision (±)	0.2	pCi/L				E903.0	08/25/25 17:57 / eli-ca
Radium 226 MDC	0.3	pCi/L				E903.0	08/25/25 17:57 / eli-ca
Radium 228	0.2	pCi/L	U			RA-05	08/19/25 15:49 / eli-ca
Radium 228 precision (±)	0.7	pCi/L				RA-05	08/19/25 15:49 / eli-ca
Radium 228 MDC	1.2	pCi/L				RA-05	08/19/25 15:49 / eli-ca
Radium 226 + Radium 228	0.7	pCi/L	U			A7500-RA	08/26/25 12:25 / 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: B25080723-001
Client Sample ID: SW-BPL

Report Date: 09/10/25
Collection Date: 08/07/25 10:50
DateReceived: 08/08/25
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - TOTAL							
Radium 226 + Radium 228 precision (±)	0.7	pCi/L				A7500-RA	08/26/25 12:25 / eli-ca
Radium 226 + Radium 228 MDC	1.2	pCi/L				A7500-RA	08/26/25 12:25 / 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 Casper, WY Branch

Work Order: B25080723 **Report Date:** 08/26/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E900.0										Batch: GrAB-3466
Lab ID: Th230-GrAB-3466	3	Laboratory Control Sample				Run: TENNELEC-4_250819A				08/26/25 02:30
Gross Alpha		71	pCi/L		70	70	130			
Gross Alpha precision (±)		16	pCi/L							
Gross Alpha MDC		1.5	pCi/L							
Lab ID: Sr90-GrAB-3466	3	Laboratory Control Sample				Run: TENNELEC-4_250819A				08/26/25 02:30
Gross Beta		170	pCi/L		93	70	130			
Gross Beta precision (±)		12	pCi/L							
Gross Beta MDC		2.4	pCi/L							
Lab ID: MB-GrAB-3466	6	Method Blank				Run: TENNELEC-4_250819A				08/26/25 02:30
Gross Alpha		-2	pCi/L							U
Gross Alpha precision (±)		0.8	pCi/L							
Gross Alpha MDC		1	pCi/L							
Gross Beta		0.7	pCi/L							U
Gross Beta precision (±)		1	pCi/L							
Gross Beta MDC		2	pCi/L							
Lab ID: C25080294-001EMS	3	Sample Matrix Spike				Run: TENNELEC-4_250819A				08/26/25 02:30
Gross Alpha		93	pCi/L		88	70	130			
Gross Alpha precision (±)		21	pCi/L							
Gross Alpha MDC		2.3	pCi/L							
Lab ID: C25080294-001EMSD	3	Sample Matrix Spike Duplicate				Run: TENNELEC-4_250819A				08/26/25 02:30
Gross Alpha		73	pCi/L		69	70	130	24	30	S
Gross Alpha precision (±)		16	pCi/L							
Gross Alpha MDC		2.5	pCi/L							
- The RER result is 0.75.										
Lab ID: C25080451-008AMS1	3	Sample Matrix Spike				Run: TENNELEC-4_250819A				08/26/25 02:30
Gross Beta		170	pCi/L		95	70	130			
Gross Beta precision (±)		12	pCi/L							
Gross Beta MDC		2.2	pCi/L							
Lab ID: C25080451-008AMSD1	3	Sample Matrix Spike Duplicate				Run: TENNELEC-4_250819A				08/26/25 02:30
Gross Beta		170	pCi/L		93	70	130	1.7	30	
Gross Beta precision (±)		12	pCi/L							
Gross Beta MDC		2.5	pCi/L							
- The RER result is 0.18.										

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)

S - Spike recovery outside of advisory limits

U - Not detected

QA/QC Summary Report

Prepared by Casper, WY Branch

Work Order: B25080723 **Report Date:** 08/26/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E903.0										Batch: RA226-11788
Lab ID: LCS-RA226-11788	3	Laboratory Control Sample				Run: TENNELEC-3_250813A				08/25/25 17:57
Radium 226		9.5	pCi/L		95	70	130			
Radium 226 precision (±)		1.5	pCi/L							
Radium 226 MDC		0.21	pCi/L							
Lab ID: MB-RA226-11788	3	Method Blank				Run: TENNELEC-3_250813A				08/25/25 17:57
Radium 226		0.08	pCi/L							U
Radium 226 precision (±)		0.1	pCi/L							
Radium 226 MDC		0.2	pCi/L							
Lab ID: C25080375-001DDUP	3	Sample Duplicate				Run: TENNELEC-3_250813A				08/25/25 17:57
Radium 226		160	pCi/L					8.3	30	
Radium 226 precision (±)		24	pCi/L							
Radium 226 MDC		0.22	pCi/L							

- The RER result is 0.39.

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)

U - Not detected

QA/QC Summary Report

Prepared by Casper, WY Branch

Work Order: B25080723 **Report Date:** 08/26/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: RA-05										Batch: RA228-7742
Lab ID: LCS-228-RA226-11788	3	Laboratory Control Sample				Run: TENNELEC-4_250813A				08/19/25 15:49
Radium 228		8.2	pCi/L		90	70	130			
Radium 228 precision (±)		2.2	pCi/L							
Radium 228 MDC		1.2	pCi/L							
Lab ID: MB-RA226-11788	3	Method Blank				Run: TENNELEC-4_250813A				08/19/25 15:49
Radium 228		-0.3	pCi/L							U
Radium 228 precision (±)		0.6	pCi/L							
Radium 228 MDC		1	pCi/L							
Lab ID: C25080375-001DDUP	3	Sample Duplicate				Run: TENNELEC-4_250813A				08/19/25 15:49
Radium 228		8.7	pCi/L					3.7	30	
Radium 228 precision (±)		2.3	pCi/L							
Radium 228 MDC		0.97	pCi/L							

- The RER result is 0.10.

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)

U - Not detected

QA/QC Summary Report

Prepared by Billings, MT Branch

Work Order: B25080723 **Report Date:** 09/10/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: **A2540 C**										Batch: TDS20250811A
Lab ID: **MBLK_20250811-3**		Method Blank				Run: Bal #30_250811B				08/11/25 12:04
Solids, Total Dissolved TDS @ 180 C		ND	mg/L	20						
Lab ID: **LCS_20250811-2**		Laboratory Control Sample				Run: Bal #30_250811B				08/11/25 12:04
Solids, Total Dissolved TDS @ 180 C		938	mg/L	25	94	90	110			
Lab ID: **B25080723-001BDUP**		Sample Duplicate				Run: Bal #30_250811B				08/11/25 12:04
Solids, Total Dissolved TDS @ 180 C		139	mg/L	25				1.9	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: B25080723 **Report Date:** 09/10/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: **A2540 D**										Batch: TSS20250811A
Lab ID: **MBLK_20250811-2**	Method Blank					Run: BAL #30_250811A				08/11/25 09:29
Solids, Total Suspended TSS @ 105 C		ND	mg/L	0.6						
Lab ID: **LCS_20250811-1**	Laboratory Control Sample					Run: BAL #30_250811A				08/11/25 09:29
Solids, Total Suspended TSS @ 105 C		102	mg/L	25	102	80	120			
Lab ID: **B25080721-001BDUP**	Sample Duplicate					Run: BAL #30_250811A				08/11/25 09:29
Solids, Total Suspended TSS @ 105 C		256	mg/L	25				6.1	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: B25080723 **Report Date:** 09/10/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: **E200.7**										Analytical Run: ICP205-B_250813A
Lab ID: **ICV**	Continuing Calibration Verification Standard									08/13/25 15:02
Boron		2.52	mg/L	0.10	101	95	105			
Lab ID: **CCV**	Continuing Calibration Verification Standard									08/13/25 19:01
Boron		2.52	mg/L	0.10	101	90	110			
Method: **E200.7**										Batch: 202350
Lab ID: **MB-202350**	Method Blank					Run: ICP205-B_250813A				08/13/25 19:00
Boron		ND	mg/L	0.008						
Lab ID: **LCS3-202350**	Laboratory Control Sample					Run: ICP205-B_250813A				08/13/25 19:03
Boron		1.08	mg/L	0.10	108	85	115			
Lab ID: **B25080734-001AMS3**	Sample Matrix Spike					Run: ICP205-B_250813A				08/13/25 19:18
Boron		1.09	mg/L	0.050	106	70	130			
Lab ID: **B25080734-001AMSD3**	Sample Matrix Spike Duplicate					Run: ICP205-B_250813A				08/13/25 19:20
Boron		1.08	mg/L	0.050	106	70	130	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: B25080723 **Report Date:** 09/10/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Analytical Run: ICPMS207-B_250811A	
Lab ID: QCS	3	Initial Calibration Verification Standard							08/12/25 01:31	
Molybdenum		0.0395	mg/L	0.0050	99	90	110			
Silver		0.0192	mg/L	0.0050	96	90	110			
Zinc		0.0386	mg/L	0.0050	97	90	110			
Lab ID: CCV	3	Continuing Calibration Verification Standard							08/12/25 07:37	
Molybdenum		0.0521	mg/L	0.0050	104	90	110			
Silver		0.0188	mg/L	0.0050	94	90	110			
Zinc		0.0510	mg/L	0.0050	102	90	110			
Method: E200.8									Batch: R447341	
Lab ID: LRB	3	Method Blank				Run: ICPMS207-B_250811A			08/11/25 11:51	
Molybdenum		ND	mg/L	0.00002						
Silver		ND	mg/L	3E-6						
Zinc		ND	mg/L	0.001						
Lab ID: LFB	3	Laboratory Fortified Blank				Run: ICPMS207-B_250811A			08/11/25 12:08	
Molybdenum		0.0526	mg/L	0.0050	105	85	115			
Silver		0.0191	mg/L	0.0050	95	85	115			
Zinc		0.0488	mg/L	0.0050	98	85	115			
Lab ID: B25080723-001DMS	3	Sample Matrix Spike				Run: ICPMS207-B_250811A			08/12/25 08:18	
Molybdenum		0.0573	mg/L	0.0010	108	70	130			
Silver		0.0191	mg/L	0.0010	96	70	130			
Zinc		0.0483	mg/L	0.010	97	70	130			
Lab ID: B25080723-001DMSD	3	Sample Matrix Spike Duplicate				Run: ICPMS207-B_250811A			08/12/25 08:24	
Molybdenum		0.0568	mg/L	0.0010	107	70	130	0.9	20	
Silver		0.0189	mg/L	0.0010	95	70	130	1.1	20	
Zinc		0.0492	mg/L	0.010	98	70	130	1.8	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: B25080723 **Report Date:** 09/10/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8										Analytical Run: ICPMS207-B_250813A
Lab ID: QCS	4	Initial Calibration Verification Standard								08/15/25 00:53
Antimony		0.0382	mg/L	0.0050	95	90	110			
Chromium		0.0391	mg/L	0.010	98	90	110			
Molybdenum		0.0379	mg/L	0.0050	95	90	110			
Thallium		0.0403	mg/L	0.0050	101	90	110			
Lab ID: CCV	4	Continuing Calibration Verification Standard								08/15/25 04:57
Antimony		0.0470	mg/L	0.0050	94	90	110			
Chromium		0.0477	mg/L	0.010	95	90	110			
Molybdenum		0.0481	mg/L	0.0050	96	90	110			
Thallium		0.0459	mg/L	0.0050	92	90	110			
Method: E200.8										Batch: 202350
Lab ID: MB-202350	4	Method Blank				Run: ICPMS207-B_250813A				08/15/25 04:39
Antimony		ND	mg/L	0.00008						
Chromium		ND	mg/L	0.0005						
Molybdenum		ND	mg/L	0.00009						
Thallium		ND	mg/L	0.0002						
Method: E200.8										Analytical Run: ICPMS208-B_250811A
Lab ID: QCS		Initial Calibration Verification Standard								08/13/25 03:07
Copper		0.0380	mg/L	0.010	95	90	110			
Lab ID: CCV		Continuing Calibration Verification Standard								08/13/25 08:46
Copper		0.0479	mg/L	0.010	96	90	110			
Method: E200.8										Batch: R447343
Lab ID: LRB		Method Blank				Run: ICPMS208-B_250811A				08/11/25 12:05
Copper		ND	mg/L	0.00007						
Lab ID: LFB		Laboratory Fortified Blank				Run: ICPMS208-B_250811A				08/11/25 12:23
Copper		0.0458	mg/L	0.010	92	85	115			
Lab ID: B25080715-001BMS		Sample Matrix Spike				Run: ICPMS208-B_250811A				08/13/25 09:09
Copper		0.0480	mg/L	0.0050	92	70	130			
Lab ID: B25080715-001BMSD		Sample Matrix Spike Duplicate				Run: ICPMS208-B_250811A				08/13/25 09:15
Copper		0.0460	mg/L	0.0050	88	70	130	4.4	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: B25080723 **Report Date:** 09/10/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Analytical Run: ICPMS208-B_250813A	
Lab ID: QCS	2	Initial Calibration Verification Standard							08/14/25 03:41	
Arsenic		0.0360	mg/L	0.0050	90	90	110			
Uranium		0.0372	mg/L	0.00030	93	90	110			
Lab ID: CCV	2	Continuing Calibration Verification Standard							08/14/25 07:57	
Arsenic		0.0464	mg/L	0.0050	93	90	110			
Uranium		0.0476	mg/L	0.00030	95	90	110			
Lab ID: CCV	2	Continuing Calibration Verification Standard							08/14/25 09:16	
Arsenic		0.0458	mg/L	0.0050	92	90	110			
Uranium		0.0472	mg/L	0.00030	94	90	110			
Method: E200.8									Batch: 202350	
Lab ID: MB-202350	6	Method Blank				Run: ICPMS208-B_250813A			08/14/25 07:21	
Antimony		ND	mg/L	0.0004						
Arsenic		ND	mg/L	0.0002						
Chromium		ND	mg/L	0.0005						
Molybdenum		ND	mg/L	0.0001						
Thallium		ND	mg/L	0.0003						
Uranium		ND	mg/L	0.00003						
Lab ID: LCS4-202350	6	Laboratory Control Sample				Run: ICPMS208-B_250813A			08/14/25 07:27	
Antimony		0.0981	mg/L	0.0050	98	85	115			
Arsenic		0.0922	mg/L	0.0010	92	85	115			
Chromium		0.0907	mg/L	0.0010	91	85	115			
Molybdenum		0.0977	mg/L	0.0050	98	85	115			
Thallium		0.110	mg/L	0.0010	110	85	115			
Uranium		0.0992	mg/L	0.00030	99	85	115			
Lab ID: B25080703-001AMS4	6	Sample Matrix Spike				Run: ICPMS208-B_250813A			08/14/25 07:51	
Antimony		0.102	mg/L	0.0010	102	70	130			
Arsenic		0.0920	mg/L	0.0010	92	70	130			
Chromium		0.0882	mg/L	0.0050	88	70	130			
Molybdenum		0.102	mg/L	0.0010	101	70	130			
Thallium		0.112	mg/L	0.00050	112	70	130			
Uranium		0.102	mg/L	0.00030	102	70	130			
Lab ID: B25080703-001AMSD4	6	Sample Matrix Spike Duplicate				Run: ICPMS208-B_250813A			08/14/25 08:09	
Antimony		0.100	mg/L	0.0010	100	70	130	1.3	20	
Arsenic		0.0928	mg/L	0.0010	92	70	130	0.8	20	
Chromium		0.0891	mg/L	0.0050	89	70	130	1.0	20	
Molybdenum		0.100	mg/L	0.0010	100	70	130	1.3	20	
Thallium		0.116	mg/L	0.00050	116	70	130	2.8	20	
Uranium		0.101	mg/L	0.00030	101	70	130	0.8	20	
Method: E200.8									Batch: R447521	
Lab ID: LRB		Method Blank				Run: ICPMS208-B_250813A			08/13/25 13:48	
Uranium		ND	mg/L	0.00002						

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)

QA/QC Summary Report

Prepared by Billings, MT Branch

Work Order: B25080723 **Report Date:** 09/10/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: **E200.8**										Batch: R447521
Lab ID: **LRB**		Method Blank				Run: ICPMS208-B_250813A				08/13/25 13:48
Lab ID: **LFB**		Laboratory Fortified Blank				Run: ICPMS208-B_250813A				08/13/25 14:06
Uranium		0.0522	mg/L	0.00030	104	85	115			
Lab ID: **B25080723-001DMS**		Sample Matrix Spike				Run: ICPMS208-B_250813A				08/14/25 09:34
Uranium		0.0742	mg/L	0.00030	104	70	130			
Lab ID: **B25080723-001DMSD**		Sample Matrix Spike Duplicate				Run: ICPMS208-B_250813A				08/14/25 09:40
Uranium		0.0707	mg/L	0.00030	97	70	130	4.8	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: B25080723 **Report Date:** 09/10/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E300.0										Analytical Run: IC METROHM 1_250807A
Lab ID: CCV	2	Continuing Calibration Verification Standard								08/09/25 22:21
Sulfate		110	mg/L	1.0	110	90	110			
Fluoride		1.33	mg/L	0.10	106	90	110			
Method: E300.0										Batch: R447208
Lab ID: ICB	2	Method Blank				Run: IC METROHM 1_250807A				08/07/25 12:07
Sulfate		ND	mg/L	0.7						
Fluoride		ND	mg/L	0.009						
Lab ID: LFB	2	Laboratory Fortified Blank				Run: IC METROHM 1_250807A				08/07/25 12:23
Sulfate		103	mg/L	1.1	103	90	110			
Fluoride		1.31	mg/L	0.10	104	90	110			
Lab ID: B25080718-006AMS	2	Sample Matrix Spike				Run: IC METROHM 1_250807A				08/09/25 22:54
Sulfate		123	mg/L	1.1	109	90	110			
Fluoride		1.41	mg/L	0.10	105	90	110			
Lab ID: B25080718-006AMSD	2	Sample Matrix Spike Duplicate				Run: IC METROHM 1_250807A				08/09/25 23:10
Sulfate		124	mg/L	1.1	109	90	110	0.3	20	
Fluoride		1.42	mg/L	0.10	105	90	110	0.2	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: B25080723 **Report Date:** 09/10/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E353.2									Analytical Run: FIA203-B_250811A	
Lab ID: ICV	Initial Calibration Verification Standard								08/11/25 14:55	
Nitrogen, Nitrate+Nitrite as N		0.546	mg/L	0.010	97	90	110			
Lab ID: CCV_20250811-8	Continuing Calibration Verification Standard								08/11/25 17:09	
Nitrogen, Nitrate+Nitrite as N		1.00	mg/L	0.010	100	90	110			
Method: E353.2									Batch: R447337	
Lab ID: FilterMBLK	Method Blank					Run: FIA203-B_250811A			08/11/25 14:56	
Nitrogen, Nitrate+Nitrite as N		ND	mg/L	0.009						
Lab ID: MBLK_20250811-1	Method Blank					Run: FIA203-B_250811A			08/11/25 14:57	
Nitrogen, Nitrate+Nitrite as N		ND	mg/L	0.009						
Lab ID: FilterLFB	Laboratory Fortified Blank					Run: FIA203-B_250811A			08/11/25 14:58	
Nitrogen, Nitrate+Nitrite as N		0.982	mg/L	0.010	98	90	110			
Lab ID: LFB_20250811-1	Laboratory Fortified Blank					Run: FIA203-B_250811A			08/11/25 14:59	
Nitrogen, Nitrate+Nitrite as N		1.00	mg/L	0.010	100	90	110			
Lab ID: B25080720-003BMS	Sample Matrix Spike					Run: FIA203-B_250811A			08/11/25 17:14	
Nitrogen, Nitrate+Nitrite as N		3.21	mg/L	0.010	108	90	110			
Lab ID: B25080720-003BMSD	Sample Matrix Spike Duplicate					Run: FIA203-B_250811A			08/11/25 17:16	
Nitrogen, Nitrate+Nitrite as N		3.23	mg/L	0.010	110	90	110	0.5	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: B25080723 **Report Date:** 09/10/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E365.1										Analytical Run: FIA204-B_250808A
Lab ID: ICV		Initial Calibration Verification Standard								08/08/25 16:35
Phosphorus, Orthophosphate as P		0.240	mg/L	0.0050	96	90	110			
Method: E365.1										Batch: R447271
Lab ID: ICB		Method Blank				Run: FIA204-B_250808A				08/08/25 16:37
Phosphorus, Orthophosphate as P		ND	mg/L	0.001						
Lab ID: LFB		Laboratory Fortified Blank				Run: FIA204-B_250808A				08/08/25 16:38
Phosphorus, Orthophosphate as P		0.241	mg/L	0.0050	96	90	110			
Lab ID: B25080724-001BMS		Sample Matrix Spike				Run: FIA204-B_250808A				08/08/25 16:43
Phosphorus, Orthophosphate as P		292	mg/L	1.0	88	90	110			S
Lab ID: B25080724-001BMSD		Sample Matrix Spike Duplicate				Run: FIA204-B_250808A				08/08/25 16:44
Phosphorus, Orthophosphate as P		294	mg/L	1.0	90	90	110	0.7	10	
Method: E365.1										Analytical Run: SEAL201-B_250822A
Lab ID: ICV-202126		Initial Calibration Verification Standard								08/22/25 10:22
Phosphorus, Total as P		0.515	mg/L	0.0050	103	90	110			
Lab ID: CCV-202126		Continuing Calibration Verification Standard								08/22/25 10:53
Phosphorus, Total as P		0.517	mg/L	0.0050	103	90	110			
Method: E365.1										Batch: 202487
Lab ID: MB-202487		Method Blank				Run: SEAL201-B_250822A				08/22/25 10:35
Phosphorus, Total as P		ND	mg/L	0.002						
Lab ID: LCS-202487		Laboratory Control Sample				Run: SEAL201-B_250822A				08/22/25 10:36
Phosphorus, Total as P		0.197	mg/L	0.0020	98	90	110			
Lab ID: B25081141-001CMS		Sample Matrix Spike				Run: SEAL201-B_250822A				08/22/25 11:06
Phosphorus, Total as P		0.179	mg/L	0.0020	81	90	110			S
Lab ID: B25081141-001CMSD		Sample Matrix Spike Duplicate				Run: SEAL201-B_250822A				08/22/25 11:07
Phosphorus, Total as P		0.194	mg/L	0.0020	89	90	110	8.2	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: B25080723 **Report Date:** 09/10/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: Kelada-01									Analytical Run: SFA-202-B_250808A	
Lab ID: ICV		Initial Calibration Verification Standard							08/08/25 14:19	
Cyanide, Weak Acid Dissociable		0.0101	mg/L	0.0010	101	90	110			
Lab ID: CCV		Continuing Calibration Verification Standard							08/08/25 15:57	
Cyanide, Weak Acid Dissociable		0.00957	mg/L	0.0010	96	90	110			
Method: Kelada-01									Batch: R447270	
Lab ID: ICB		Method Blank				Run: SFA-202-B_250808A			08/08/25 14:21	
Cyanide, Weak Acid Dissociable		ND	mg/L	0.0007						
Lab ID: LFB		Laboratory Fortified Blank				Run: SFA-202-B_250808A			08/08/25 14:23	
Cyanide, Weak Acid Dissociable		0.00985	mg/L	0.0010	98	90	110			
Lab ID: LCS1-ZnCN		Laboratory Control Sample				Run: SFA-202-B_250808A			08/08/25 14:25	
Cyanide, Weak Acid Dissociable		0.00950	mg/L	0.0010	95	90	110			
Lab ID: B25080620-016EMS		Sample Matrix Spike				Run: SFA-202-B_250808A			08/08/25 16:09	
Cyanide, Weak Acid Dissociable		0.00965	mg/L	0.0010	96	80	120			
Lab ID: B25080620-016EMSD		Sample Matrix Spike Duplicate				Run: SFA-202-B_250808A			08/08/25 16:13	
Cyanide, Weak Acid Dissociable		0.00991	mg/L	0.0010	99	80	120	2.7	10	

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)

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

ENERGY LABORATORIES
Trust our People. Trust our Data.

Chain of Custody & Analytical Request Record

www.energylab.com

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
Receive Report	☐Hard Copy ▣Email
Purchase Order	25-0152
Quote	H17287
Bottle Order	196586

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 Bryant Acevedo | Sampler Phone 7/238/6169

Sample Origin State 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 - Soils/Solids
V - Vegetation
B - Bioassay
O - Oil
DW - Drinking Water

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	Collection Time	Number of Containers	Matrix *(See Codes Above)*	Low Level Phosphorus	Anions (E300.0)	Total Suspended Solids	Metals, Dissolved	Metals Total	Nitrogen, Nitrate + Nitrite	Cyanide, WAD	Gross Alpha, Gross Beta, Total	Radium 226 + 228	See Attached	RUSH TAT	ELI LAB ID *Laboratory Use Only*
1	~~SW-AWD~~														●		
2	SW-BPL	8/7/25	10:50	9	W										●		B25080723
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)	Date/Time	Signature	Received by (print)	Date/Time	Signature
	Bryant Acevedo	8/7/1500			8/7/25	
	Relinquished by (print)	Date/Time	Signature	Received by Laboratory (print)	Date/Time	Signature
				Danielle Hunt	8/8/25 1010	

LABORATORY USE ONLY

Shipped By	Cooler ID(s)	Custody Seals Y N C B	Intact Y N	Receipt Temp °C	Temp Blank Y N	On Ice Y N	Payment Type CC Cash Check_____	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.

ELI-COC-01/21 v.4

BOTTLE ORDER 196586

SHIPPED TO: **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

Contact: Chris Prosper
400 Corporate Circle, Suite H
Golden CO 80401
Phone: (719) 247-0564
Project: Schwartzwalder Mine

Order Created by: Yvonna E. Smith
Shipped From: Billings, MT
Ship Date: 7/28/2025
VIA: Ground
Quote Used: 17287

Bottle Size/Type	Bottles Per Samp	Method	Tests	Critical Hold Time	Preservative	Notes	Num of Samp
Outfall 001A Weekly COD (5 Sets)							
500 mL Plastic	1	E410.4 HACH 8000	Chemical Oxygen Demand Preparation for COD testing HACH 8000		H2SO4		1
Outfall 001A 3 Times Weekly TSS (15 Sets)							
1 Liter Plastic Wide Mouth	1	A2540 D	Solids, Total Suspended			Fill to the neck of the container.	1
Outfall 001A Bi-Weekly (2 Sets)							
250 mL Plastic	1	A3500-Cr B E300.0	Chromium, Hexavalent Anions by Ion Chromatography	24.00 hrs			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 Calculation E245.1 E200.2 E245.1	Metals by ICP/ICPMS, Total Recoverable Chromium, Total Recoverable Trivalent Mercury, Total Metals Digestion by E200.2 Mercury Digestion by E245.1		HNO3		1

250 mL Plastic	1	E200.7_8 MCAWW	Metals by ICP/ICPMS, Potentially Dissolved Preparation, Potentially Dissolved Filtration		HNO3		1
500 mL Amber Plastic	1	Kelada-01	Cyanide, Weak Acid Dissociable		NaOH		1
250 mL Plastic	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.	1

Outfall 001A Quarterly

1 Liter Plastic	1	A2540 C	Solids, Total Dissolved				1

Table 1.1 (2 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
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

Comments

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

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.