



B25061579_Schwartzwalder Mine

1 message

Stacie M. Helms <SHelms@energylab.com>

Tue, Jul 15, 2025 at 2:05 PM

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 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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2 attachments



B25061579-EDD-ELICSV-WITH-HEADER-1.CSV

18K



B25061579-FINAL REPORT-1.PDF

2115K



ANALYTICAL SUMMARY REPORT

July 15, 2025

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

Work Order: B25061579 Quote ID: B17287

Project Name: Schwartzwalder Mine

Energy Laboratories Inc Billings MT received the following 2 samples for Linkan Engineering on 6/18/2025 for analysis.

Lab ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
B25061579-001	SW-AWD	06/17/25 9:24	06/18/25	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
B25061579-002	SW-BPL	06/17/25 9:40	06/18/25	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: B25061579

Report Date: 07/15/25

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: B25061579-001
Client Sample ID: SW-AWD

Report Date: 07/15/25
Collection Date: 06/17/25 09:24
DateReceived: 06/18/25
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
Solids, Total Suspended TSS @ 105 C	2	mg/L	J	2		A2540 D	06/18/25 14:03 / pjw
Solids, Total Dissolved TDS @ 180 C	195	mg/L		20		A2540 C	06/18/25 13:33 / etv
INORGANICS							
Sulfate	10	mg/L		1		E300.0	06/18/25 19:16 / caa
Fluoride	0.31	mg/L		0.01		E300.0	06/18/25 19:16 / caa
Cyanide, Weak Acid Dissociable	ND	mg/L		0.001		Kelada-01	06/20/25 12:14 / fap
NUTRIENTS							
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.01		E353.2	06/27/25 10:55 / rs4
Phosphorus, Orthophosphate as P	0.009	mg/L		0.002		E365.1	06/18/25 17:34 / taz
Phosphorus, Total as P	0.008	mg/L		0.002		E365.1	06/30/25 12:27 / taz
METALS, DISSOLVED							
Copper	0.0007	mg/L		0.0005		E200.8	06/21/25 06:03 / aem
Molybdenum	0.0005	mg/L		0.0001		E200.8	06/21/25 06:03 / aem
Silver	ND	mg/L	L	0.00004		E200.8	06/21/25 06:03 / aem
Uranium	0.00110	mg/L		0.00002		E200.8	06/27/25 13:27 / jks
Zinc	0.003	mg/L		0.002		E200.8	06/21/25 06:03 / aem
METALS, TOTAL RECOVERABLE							
Antimony	ND	mg/L	L	0.0001		E200.8	06/26/25 08:28 / aem
Chromium	ND	mg/L		0.0005		E200.8	06/24/25 20:56 / aem
Thallium	ND	mg/L	L	0.0002		E200.8	06/26/25 08:28 / aem
METALS, TOTAL							
Arsenic	0.0001	mg/L		0.0001		E200.8	06/26/25 08:28 / aem
Boron	0.02	mg/L		0.01		E200.7	06/24/25 14:55 / enb
Molybdenum	0.0006	mg/L		0.0001		E200.8	06/24/25 20:56 / aem
Uranium	0.00095	mg/L		0.00002		E200.8	06/27/25 13:33 / jks
RADIONUCLIDES - TOTAL							
Gross Alpha	-1	pCi/L	U			E900.0	07/04/25 01:15 / eli-ca
Gross Alpha precision (±)	1.4	pCi/L				E900.0	07/04/25 01:15 / eli-ca
Gross Alpha MDC	2.4	pCi/L				E900.0	07/04/25 01:15 / eli-ca
Gross Beta	2.2	pCi/L	U			E900.0	07/04/25 01:15 / eli-ca
Gross Beta precision (±)	1.7	pCi/L				E900.0	07/04/25 01:15 / eli-ca
Gross Beta MDC	2.6	pCi/L				E900.0	07/04/25 01:15 / eli-ca
Radium 226	0.07	pCi/L	U			E903.0	07/14/25 12:11 / eli-ca
Radium 226 precision (±)	0.1	pCi/L				E903.0	07/14/25 12:11 / eli-ca
Radium 226 MDC	0.2	pCi/L				E903.0	07/14/25 12:11 / eli-ca
Radium 228	0.1	pCi/L	U			RA-05	07/07/25 15:56 / eli-ca
Radium 228 precision (±)	0.7	pCi/L				RA-05	07/07/25 15:56 / eli-ca
Radium 228 MDC	1.2	pCi/L				RA-05	07/07/25 15:56 / eli-ca
Radium 226 + Radium 228	0.7	pCi/L	U			A7500-RA	07/15/25 10:19 / 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: B25061579-001
Client Sample ID: SW-AWD

Report Date: 07/15/25
Collection Date: 06/17/25 09:24
Date Received: 06/18/25
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - TOTAL							
Radium 226 + Radium 228 precision ($\pm$)	0.7	pCi/L				A7500-RA	07/15/25 10:19 / eli-ca
Radium 226 + Radium 228 MDC	1.2	pCi/L				A7500-RA	07/15/25 10:19 / 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: B25061579-002
Client Sample ID: SW-BPL

Report Date: 07/15/25
Collection Date: 06/17/25 09:40
Date Received: 06/18/25
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
Solids, Total Suspended TSS @ 105 C	2	mg/L	J	2		A2540 D	06/18/25 14:03 / pjw
Solids, Total Dissolved TDS @ 180 C	205	mg/L		20		A2540 C	06/18/25 13:33 / etv
INORGANICS							
Sulfate	20	mg/L		1		E300.0	06/18/25 19:33 / caa
Fluoride	0.29	mg/L		0.01		E300.0	06/18/25 19:33 / caa
Cyanide, Weak Acid Dissociable	ND	mg/L		0.001		Kelada-01	06/20/25 12:26 / fap
NUTRIENTS							
Nitrogen, Nitrate+Nitrite as N	0.02	mg/L		0.01		E353.2	06/27/25 10:59 / rs4
Phosphorus, Orthophosphate as P	0.006	mg/L		0.002		E365.1	06/18/25 17:40 / taz
Phosphorus, Total as P	0.005	mg/L		0.002		E365.1	06/25/25 12:13 / taz
METALS, DISSOLVED							
Copper	0.0008	mg/L		0.0005		E200.8	06/21/25 06:08 / aem
Molybdenum	0.0040	mg/L		0.0001		E200.8	06/21/25 06:08 / aem
Silver	5E-6	mg/L	JL	0.00004		E200.8	06/21/25 06:08 / aem
Uranium	0.0527	mg/L		0.00002		E200.8	06/21/25 06:08 / aem
Zinc	0.002	mg/L	JL	0.002		E200.8	06/21/25 06:08 / aem
METALS, TOTAL RECOVERABLE							
Antimony	0.00002	mg/L	JL	0.0001		E200.8	06/26/25 08:34 / aem
Chromium	ND	mg/L		0.0005		E200.8	06/24/25 21:02 / aem
Thallium	ND	mg/L	L	0.0002		E200.8	06/26/25 08:34 / aem
METALS, TOTAL							
Arsenic	0.0009	mg/L		0.0001		E200.8	06/26/25 08:34 / aem
Boron	0.03	mg/L		0.01		E200.7	06/24/25 14:56 / enb
Molybdenum	0.0042	mg/L		0.0001		E200.8	06/24/25 21:02 / aem
Uranium	0.0509	mg/L		0.00002		E200.8	06/24/25 21:02 / aem
RADIONUCLIDES - TOTAL							
Gross Alpha	30.8	pCi/L				E900.0	07/04/25 01:15 / eli-ca
Gross Alpha precision (±)	7.2	pCi/L				E900.0	07/04/25 01:15 / eli-ca
Gross Alpha MDC	2.0	pCi/L				E900.0	07/04/25 01:15 / eli-ca
Gross Beta	9.7	pCi/L				E900.0	07/04/25 01:15 / eli-ca
Gross Beta precision (±)	1.5	pCi/L				E900.0	07/04/25 01:15 / eli-ca
Gross Beta MDC	2.6	pCi/L				E900.0	07/04/25 01:15 / eli-ca
Radium 226	0.2	pCi/L				E903.0	07/14/25 12:11 / eli-ca
Radium 226 precision (±)	0.1	pCi/L				E903.0	07/14/25 12:11 / eli-ca
Radium 226 MDC	0.2	pCi/L				E903.0	07/14/25 12:11 / eli-ca
Radium 228	3.2	pCi/L				RA-05	07/07/25 15:56 / eli-ca
Radium 228 precision (±)	1.3	pCi/L				RA-05	07/07/25 15:56 / eli-ca
Radium 228 MDC	1.3	pCi/L				RA-05	07/07/25 15:56 / eli-ca
Radium 226 + Radium 228	3.4	pCi/L				A7500-RA	07/15/25 10:19 / eli-ca

Report Definitions:
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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: B25061579-002
Client Sample ID: SW-BPL

Report Date: 07/15/25
Collection Date: 06/17/25 09:40
Date Received: 06/18/25
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - TOTAL							
Radium 226 + Radium 228 precision ($\pm$)	1.3	pCi/L				A7500-RA	07/15/25 10:19 / eli-ca
Radium 226 + Radium 228 MDC	1.3	pCi/L				A7500-RA	07/15/25 10:19 / 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: B25061579

Report Date: 07/15/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E900.0										Batch: GrAB-3433
Lab ID: Th230-GrAB-3433	3	Laboratory Control Sample				Run: TENNELEC-4_250627D				07/04/25 01:14
Gross Alpha		86	pCi/L		86	70	130			
Gross Alpha precision (±)		19	pCi/L							
Gross Alpha MDC		1.5	pCi/L							
Lab ID: Sr90-GrAB-3433	3	Laboratory Control Sample				Run: TENNELEC-4_250627D				07/04/25 01:14
Gross Beta		170	pCi/L		95	70	130			
Gross Beta precision (±)		12	pCi/L							
Gross Beta MDC		2.2	pCi/L							
Lab ID: MB-GrAB-3433	6	Method Blank				Run: TENNELEC-4_250627D				07/04/25 01:14
Gross Alpha		0.2	pCi/L							U
Gross Alpha precision (±)		1	pCi/L							
Gross Alpha MDC		2	pCi/L							
Gross Beta		0.5	pCi/L							U
Gross Beta precision (±)		2	pCi/L							
Gross Beta MDC		3	pCi/L							
Lab ID: C25060500-002DMS	3	Sample Matrix Spike				Run: TENNELEC-4_250627D				07/04/25 01:14
Gross Alpha		220	pCi/L		94	70	130			
Gross Alpha precision (±)		48	pCi/L							
Gross Alpha MDC		3.5	pCi/L							
Lab ID: C25060500-002DMSD	3	Sample Matrix Spike Duplicate				Run: TENNELEC-4_250627D				07/04/25 01:14
Gross Alpha		200	pCi/L		73	70	130	9.9	30	
Gross Alpha precision (±)		44	pCi/L							
Gross Alpha MDC		2.8	pCi/L							
- The RER result is 0.32.										
Lab ID: C25060500-004DMS1	3	Sample Matrix Spike				Run: TENNELEC-4_250627D				07/04/25 01:14
Gross Beta		190	pCi/L		101	70	130			
Gross Beta precision (±)		13	pCi/L							
Gross Beta MDC		2.8	pCi/L							
Lab ID: C25060500-004DMSD1	3	Sample Matrix Spike Duplicate				Run: TENNELEC-4_250627D				07/04/25 01:14
Gross Beta		190	pCi/L		100	70	130	0.4	30	
Gross Beta precision (±)		13	pCi/L							
Gross Beta MDC		2.6	pCi/L							
- The RER result is 0.04.										

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: B25061579

Report Date: 07/15/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E903.0										Batch: RA226-11722
Lab ID: LCS-RA226-11722	3	Laboratory Control Sample				Run: TENNELEC-4_250630G				07/14/25 10:03
Radium 226		9.9	pCi/L	99		70	130			
Radium 226 precision (±)		1.6	pCi/L							
Radium 226 MDC		0.14	pCi/L							
Lab ID: MB-RA226-11722	3	Method Blank				Run: TENNELEC-4_250630G				07/14/25 10:03
Radium 226		-0.01	pCi/L							U
Radium 226 precision (±)		0.08	pCi/L							
Radium 226 MDC		0.1	pCi/L							
Lab ID: C25060659-001HDUP	3	Sample Duplicate				Run: TENNELEC-4_250630G				07/14/25 10:03
Radium 226		0.38	pCi/L					27	30	
Radium 226 precision (±)		0.16	pCi/L							
Radium 226 MDC		0.19	pCi/L							
- The RER result is 0.53.										

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: B25061579

Report Date: 07/15/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: RA-05									Batch: RA228-7689	
Lab ID: LCS-228-RA226-11722	3	Laboratory Control Sample					Run: TENNELEC-4_250630D		07/07/25 15:06	
Radium 228		10	pCi/L		110	70	130			
Radium 228 precision (±)		2.7	pCi/L							
Radium 228 MDC		1.1	pCi/L							
Lab ID: MB-RA226-11722	3	Method Blank					Run: TENNELEC-4_250630D		07/07/25 15:07	
Radium 228		0.2	pCi/L							U
Radium 228 precision (±)		0.7	pCi/L							
Radium 228 MDC		1	pCi/L							
Lab ID: C25060659-001HDUP	3	Sample Duplicate					Run: TENNELEC-4_250630D		07/07/25 15:07	
Radium 228		-0.23	pCi/L					1100	30	UR
Radium 228 precision (±)		0.79	pCi/L							
Radium 228 MDC		1.4	pCi/L							

- Duplicate RPD is outside of the acceptance range for this analysis. However, the RER is less than or equal to the limit of 3. The RER result is 0.50.

Qualifiers:

RL - Analyte Reporting Limit

R - Relative Percent Difference (RPD) exceeds advisory limit

ND - Not detected at the Reporting Limit (RL)

U - Not detected



QA/QC Summary Report

Prepared by Billings, MT Branch

Work Order: B25061579

Report Date: 06/27/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2540 C										Batch: TDS20250618A
Lab ID: MBLK_20250618-3		Method Blank					Run: Bal #30_250618C			06/18/25 10:54
Solids, Total Dissolved TDS @ 180 C		ND	mg/L	20						
Lab ID: LCS_20250618-1		Laboratory Control Sample					Run: Bal #30_250618C			06/18/25 10:55
Solids, Total Dissolved TDS @ 180 C		941	mg/L	25	94	90	110			
Lab ID: B25061295-029ADUP		Sample Duplicate					Run: Bal #30_250618C			06/18/25 10:55
Solids, Total Dissolved TDS @ 180 C		158	mg/L	25				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: B25061579

Report Date: 06/27/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2540 D										Batch: TSS20250618B
Lab ID: MBLK_20250618-9		Method Blank					Run: BAL #30_250618B			06/18/25 14:02
Solids, Total Suspended TSS @ 105 C		ND	mg/L	0.6						
Lab ID: LCS_20250618-3										Run: BAL #30_250618B
Solids, Total Suspended TSS @ 105 C		105	mg/L	25	105	80	120			06/18/25 14:02
Lab ID: B25061584-002BDUP										Run: BAL #30_250618B
Solids, Total Suspended TSS @ 105 C		11.6	mg/L	10				9.8	10	06/18/25 14:03

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)



QA/QC Summary Report

Prepared by Billings, MT Branch

Work Order: B25061579

Report Date: 06/27/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E300.0						Analytical Run: IC METROHM 2_250616A				
Lab ID: ICB	2	Initial Calibration Verification Standard								06/16/25 12:35
Sulfate		104	mg/L	1.0	104	90	110			
Fluoride		1.32	mg/L	0.10	105	90	110			
Lab ID: CCV	2	Continuing Calibration Verification Standard								06/18/25 16:44
Sulfate		106	mg/L	1.0	106	90	110			
Fluoride		1.31	mg/L	0.10	105	90	110			
Method: E300.0						Batch: R444239				
Lab ID: ICB	2	Method Blank								Run: IC METROHM 2_250616A 06/16/25 12:52
Sulfate		ND	mg/L	0.7						
Fluoride		ND	mg/L	0.009						
Lab ID: LFB	2	Laboratory Fortified Blank								Run: IC METROHM 2_250616A 06/16/25 13:09
Sulfate		104	mg/L	1.1	104	90	110			
Fluoride		1.35	mg/L	0.10	108	90	110			
Lab ID: B25061529-003AMS	2	Sample Matrix Spike								Run: IC METROHM 2_250616A 06/18/25 17:18
Sulfate		937	mg/L	5.3	104	90	110			
Fluoride		5.71	mg/L	0.10	91	90	110			
Lab ID: B25061529-003AMSD	2	Sample Matrix Spike Duplicate								Run: IC METROHM 2_250616A 06/18/25 17:34
Sulfate		929	mg/L	5.3	102	90	110	0.8	20	
Fluoride		5.69	mg/L	0.10	91	90	110	0.4	20	
Lab ID: B25061580-003AMS	2	Sample Matrix Spike								Run: IC METROHM 2_250616A 06/18/25 21:14
Sulfate		575	mg/L	5.3	106	90	110			
Fluoride		6.45	mg/L	0.10	101	90	110			
Lab ID: B25061580-003AMSD	2	Sample Matrix Spike Duplicate								Run: IC METROHM 2_250616A 06/18/25 21:31
Sulfate		575	mg/L	5.3	106	90	110	0.1	20	
Fluoride		6.40	mg/L	0.10	101	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: B25061579

Report Date: 06/27/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: Kelada-01								Analytical Run: SFA-202-B_250620A		
Lab ID: ICV	Initial Calibration Verification Standard								06/20/25 11:54	
Cyanide, Weak Acid Dissociable		0.00966	mg/L	0.0010	97	90	110			
Method: Kelada-01								Batch: R444536		
Lab ID: ICB	Method Blank					Run: SFA-202-B_250620A			06/20/25 11:56	
Cyanide, Weak Acid Dissociable		ND	mg/L	0.0007						
Lab ID: LCS1-ZnCN	Laboratory Control Sample					Run: SFA-202-B_250620A			06/20/25 12:00	
Cyanide, Weak Acid Dissociable		0.0107	mg/L	0.0010	107	90	110			
Lab ID: B25061579-001GMS	Sample Matrix Spike					Run: SFA-202-B_250620A			06/20/25 12:18	
Cyanide, Weak Acid Dissociable		0.0104	mg/L	0.0010	104	80	120			
Lab ID: B25061579-001GMSD	Sample Matrix Spike Duplicate					Run: SFA-202-B_250620A			06/20/25 12:22	
Cyanide, Weak Acid Dissociable		0.0109	mg/L	0.0010	109	80	120	4.2	10	
Lab ID: LFB	Laboratory Fortified Blank					Run: SFA-202-B_250620A			06/20/25 12:44	
Cyanide, Weak Acid Dissociable		0.0110	mg/L	0.0010	110	90	110			

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)



QA/QC Summary Report

Prepared by Billings, MT Branch

Work Order: B25061579

Report Date: 07/01/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E353.2 Analytical Run: FIA203-B_250627A										
Lab ID: ICV	Initial Calibration Verification Standard 06/27/25 10:50									
Nitrogen, Nitrate+Nitrite as N		0.550	mg/L	0.010	97	90	110			
Method: E353.2 Batch: R444974										
Lab ID: FilterMBLK	Method Blank Run: FIA203-B_250627A 06/27/25 10:51									
Nitrogen, Nitrate+Nitrite as N		ND	mg/L	0.009						
Lab ID: MBLK_20250627-3	Method Blank Run: FIA203-B_250627A 06/27/25 10:52									
Nitrogen, Nitrate+Nitrite as N		ND	mg/L	0.009						
Lab ID: FilterLFB	Laboratory Fortified Blank Run: FIA203-B_250627A 06/27/25 10:53									
Nitrogen, Nitrate+Nitrite as N		0.969	mg/L	0.010	97	90	110			
Lab ID: LFB_20250627-1	Laboratory Fortified Blank Run: FIA203-B_250627A 06/27/25 10:54									
Nitrogen, Nitrate+Nitrite as N		0.999	mg/L	0.010	100	90	110			
Lab ID: B25061579-001FMS	Sample Matrix Spike Run: FIA203-B_250627A 06/27/25 10:56									
Nitrogen, Nitrate+Nitrite as N		0.972	mg/L	0.010	97	90	110			
Lab ID: B25061579-001FMSD	Sample Matrix Spike Duplicate Run: FIA203-B_250627A 06/27/25 10:57									
Nitrogen, Nitrate+Nitrite as N		1.02	mg/L	0.010	102	90	110	4.9	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: B25061579

Report Date: 07/01/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E365.1								Analytical Run: FIA204-B_250618B		
Lab ID: ICV		Initial Calibration Verification Standard								06/18/25 17:27
Phosphorus, Orthophosphate as P		0.246	mg/L	0.0050	98	90	110			
Lab ID: CCV		Continuing Calibration Verification Standard								06/18/25 17:48
Phosphorus, Orthophosphate as P		0.488	mg/L	0.0050	98	90	110			
Method: E365.1										Batch: R444396
Lab ID: ICB		Method Blank					Run: FIA204-B_250618B		06/18/25 17:30	
Phosphorus, Orthophosphate as P		ND	mg/L	0.001						
Lab ID: LFB		Laboratory Fortified Blank					Run: FIA204-B_250618B		06/18/25 17:31	
Phosphorus, Orthophosphate as P		0.252	mg/L	0.0050	101	90	110			
Lab ID: B25061579-002AMS		Sample Matrix Spike					Run: FIA204-B_250618B		06/18/25 17:36	
Phosphorus, Orthophosphate as P		0.241	mg/L	0.0020	94	90	110			
Lab ID: B25061579-002AMSD		Sample Matrix Spike Duplicate					Run: FIA204-B_250618B		06/18/25 17:37	
Phosphorus, Orthophosphate as P		0.249	mg/L	0.0020	97	90	110	3.3	10	
Method: E365.1								Analytical Run: SEAL201-B_250625A		
Lab ID: ICV-198785		Initial Calibration Verification Standard								06/25/25 10:04
Phosphorus, Total as P		0.504	mg/L	0.0050	101	90	110			
Lab ID: CCV-198785		Continuing Calibration Verification Standard								06/25/25 12:03
Phosphorus, Total as P		0.536	mg/L	0.0050	107	90	110			
Method: E365.1										Batch: 200836
Lab ID: MB-200836		Method Blank					Run: SEAL201-B_250625A		06/25/25 11:49	
Phosphorus, Total as P		ND	mg/L	0.002						
Lab ID: LCS-200836		Laboratory Control Sample					Run: SEAL201-B_250625A		06/25/25 11:50	
Phosphorus, Total as P		0.188	mg/L	0.0050	94	90	110			
Lab ID: B25061568-002CMS		Sample Matrix Spike					Run: SEAL201-B_250625A		06/25/25 12:10	
Phosphorus, Total as P		0.208	mg/L	0.0020	99	90	110			
Lab ID: B25061568-002CMSD		Sample Matrix Spike Duplicate					Run: SEAL201-B_250625A		06/25/25 12:11	
Phosphorus, Total as P		0.212	mg/L	0.0020	101	90	110	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: B25061579

Report Date: 07/01/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E365.1										
Analytical Run: SEAL201-B_250630A										
Lab ID: ICV-198785		Initial Calibration Verification Standard								
Phosphorus, Total as P		0.506	mg/L	0.0050	101	90	110			06/30/25 10:34
Lab ID: CCV-198785										
Continuing Calibration Verification Standard										
Phosphorus, Total as P		0.511	mg/L	0.0050	102	90	110			06/30/25 12:22
Method: E365.1										
Batch: 200963										
Lab ID: MB-200963		Method Blank								
Phosphorus, Total as P		ND	mg/L	0.002				Run: SEAL201-B_250630A		06/30/25 12:25
Lab ID: LCS-200963										
Laboratory Control Sample										
Phosphorus, Total as P		0.187	mg/L	0.0020	94	90	110	Run: SEAL201-B_250630A		06/30/25 12:26
Lab ID: B25062151-009DMS										
Sample Matrix Spike										
Phosphorus, Total as P		0.190	mg/L	0.0020	95	90	110	Run: SEAL201-B_250630A		06/30/25 12:31
Lab ID: B25062151-009DMSD										
Sample Matrix Spike Duplicate										
Phosphorus, Total as P		0.190	mg/L	0.0020	95	90	110	0.1	10	06/30/25 12:32

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)



QA/QC Summary Report

Prepared by Billings, MT Branch

Work Order: B25061579

Report Date: 07/01/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7 Analytical Run: ICP205-B_250624A										
Lab ID: ICV	Continuing Calibration Verification Standard									
Boron		2.59	mg/L	0.10	104	95	105			06/24/25 12:05
Lab ID: CCV Continuing Calibration Verification Standard										
Boron		2.62	mg/L	0.10	105	90	110			06/24/25 14:49
Method: E200.7 Batch: 200821										
Lab ID: MB-200821	Method Blank									
Boron		ND	mg/L	0.008						Run: ICP205-B_250624A 06/24/25 14:41
Lab ID: LCS3-200821	Laboratory Control Sample									
Boron		1.12	mg/L	0.10	112	85	115			Run: ICP205-B_250624A 06/24/25 14:43
Lab ID: B25061344-010BMS3	Sample Matrix Spike									
Boron		1.22	mg/L	0.10	113	70	130			Run: ICP205-B_250624A 06/24/25 14:47
Lab ID: B25061344-010BMSD3	Sample Matrix Spike Duplicate									
Boron		1.19	mg/L	0.10	110	70	130	3.2	20	Run: ICP205-B_250624A 06/24/25 14:51

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)



QA/QC Summary Report

Prepared by Billings, MT Branch

Work Order: B25061579

Report Date: 07/01/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8						Analytical Run: ICPMS207-B_250620A				
Lab ID: QCS	5	Initial Calibration Verification Standard							06/21/25 03:31	
Copper		0.0390	mg/L	0.010	98	90	110			
Molybdenum		0.0416	mg/L	0.0050	104	90	110			
Silver		0.0202	mg/L	0.0050	101	90	110			
Uranium		0.0416	mg/L	0.00030	104	90	110			
Zinc		0.0398	mg/L	0.0050	100	90	110			
Lab ID: CCV	5	Continuing Calibration Verification Standard							06/21/25 04:53	
Copper		0.0482	mg/L	0.010	96	90	110			
Molybdenum		0.0513	mg/L	0.0050	103	90	110			
Silver		0.0194	mg/L	0.0050	97	90	110			
Uranium		0.0521	mg/L	0.00030	104	90	110			
Zinc		0.0494	mg/L	0.0050	99	90	110			
Method: E200.8						Batch: R444547				
Lab ID: LFB	5	Laboratory Fortified Blank				Run: ICPMS207-B_250620A		06/20/25 12:42		
Copper		0.0467	mg/L	0.010	93	85	115			
Molybdenum		0.0522	mg/L	0.0050	104	85	115			
Silver		0.0190	mg/L	0.0050	95	85	115			
Uranium		0.0508	mg/L	0.00030	102	85	115			
Zinc		0.0480	mg/L	0.0050	96	85	115			
Lab ID: LRB	5	Method Blank				Run: ICPMS207-B_250620A		06/20/25 19:32		
Copper		ND	mg/L	0.00005						
Molybdenum		ND	mg/L	0.00002						
Silver		ND	mg/L	3E-6						
Uranium		ND	mg/L	7E-6						
Zinc		ND	mg/L	0.001						
Lab ID: B25061549-001GMS	5	Sample Matrix Spike				Run: ICPMS207-B_250620A		06/21/25 04:29		
Copper		0.0688	mg/L	0.0050	90	70	130			
Molybdenum		0.0506	mg/L	0.0010	100	70	130			
Silver		0.0188	mg/L	0.0010	94	70	130			
Uranium		0.0525	mg/L	0.00030	103	70	130			
Zinc		0.0496	mg/L	0.010	79	70	130			
Lab ID: B25061549-001GMSD	5	Sample Matrix Spike Duplicate				Run: ICPMS207-B_250620A		06/21/25 04:35		
Copper		0.0675	mg/L	0.0050	87	70	130	2.0	20	
Molybdenum		0.0487	mg/L	0.0010	96	70	130	3.8	20	
Silver		0.0185	mg/L	0.0010	92	70	130	1.7	20	
Uranium		0.0519	mg/L	0.00030	102	70	130	1.2	20	
Zinc		0.0486	mg/L	0.010	77	70	130	2.0	20	
Lab ID: MB-200787	5	Method Blank				Run: ICPMS207-B_250620A		06/21/25 05:16		
Copper		0.0005	mg/L	0.00005						
Molybdenum		ND	mg/L	0.00002						
Silver		ND	mg/L	3E-6						
Uranium		ND	mg/L	7E-6						

Qualifiers:

RL - Analyte Reporting Limit

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QA/QC Summary Report

Prepared by Billings, MT Branch

Work Order: B25061579

Report Date: 07/01/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8										Batch: R444547
Lab ID: MB-200787	5	Method Blank				Run: ICPMS207-B_250620A				06/21/25 05:16
Zinc		ND	mg/L	0.001						
Lab ID: B25061702-001CMS	5	Sample Matrix Spike				Run: ICPMS207-B_250620A				06/21/25 05:45
Copper		0.0479	mg/L	0.0050	92	70	130			
Molybdenum		0.0507	mg/L	0.0010	101	70	130			
Silver		0.0160	mg/L	0.0010	80	70	130			
Uranium		0.0451	mg/L	0.00030	90	70	130			
Zinc		0.0473	mg/L	0.010	95	70	130			
Lab ID: B25061702-001CMSD	5	Sample Matrix Spike Duplicate				Run: ICPMS207-B_250620A				06/21/25 05:51
Copper		0.0472	mg/L	0.0050	91	70	130	1.5	20	
Molybdenum		0.0511	mg/L	0.0010	102	70	130	0.8	20	
Silver		0.0159	mg/L	0.0010	80	70	130	0.7	20	
Uranium		0.0445	mg/L	0.00030	89	70	130	1.3	20	
Zinc		0.0469	mg/L	0.010	94	70	130	1.0	20	
Lab ID: B25061655-004BMS	5	Sample Matrix Spike				Run: ICPMS207-B_250620A				06/21/25 07:48
Copper		0.0464	mg/L	0.0050	89	70	130			
Molybdenum		0.0512	mg/L	0.0010	100	70	130			
Silver		0.0180	mg/L	0.0010	90	70	130			
Uranium		0.313	mg/L	0.00030		70	130			A
Zinc		0.0515	mg/L	0.010	89	70	130			
Lab ID: B25061655-004BMSD	5	Sample Matrix Spike Duplicate				Run: ICPMS207-B_250620A				06/21/25 07:53
Copper		0.0468	mg/L	0.0050	90	70	130	0.8	20	
Molybdenum		0.0513	mg/L	0.0010	101	70	130	0.1	20	
Silver		0.0185	mg/L	0.0010	92	70	130	2.5	20	
Uranium		0.323	mg/L	0.00030		70	130	3.1	20	A
Zinc		0.0519	mg/L	0.010	90	70	130	0.7	20	

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)

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

QA/QC Summary Report

Prepared by Billings, MT Branch

Work Order: B25061579

Report Date: 07/01/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8						Analytical Run: ICPMS207-B_250623A				
Lab ID: QCS	3	Initial Calibration Verification Standard							06/24/25 19:29	
Chromium		0.0395	mg/L	0.010	99	90	110			
Molybdenum		0.0416	mg/L	0.0050	104	90	110			
Uranium		0.0415	mg/L	0.00030	104	90	110			
Lab ID: CCV	3	Continuing Calibration Verification Standard							06/24/25 19:35	
Chromium		0.0478	mg/L	0.010	96	90	110			
Molybdenum		0.0509	mg/L	0.0050	102	90	110			
Uranium		0.0517	mg/L	0.00030	103	90	110			
Method: E200.8						Batch: 200821				
Lab ID: MB-200821	6	Method Blank				Run: ICPMS207-B_250623A			06/24/25 12:41	
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: LCS4-200821	6	Laboratory Control Sample				Run: ICPMS207-B_250623A			06/24/25 12:47	
Antimony		0.0964	mg/L	0.0050	96	85	115			
Arsenic		0.0962	mg/L	0.0010	96	85	115			
Chromium		0.0952	mg/L	0.0010	95	85	115			
Molybdenum		0.0966	mg/L	0.0050	97	85	115			
Thallium		0.108	mg/L	0.0010	108	85	115			
Uranium		0.105	mg/L	0.00030	105	85	115			
Lab ID: B25061568-002BMS4	6	Sample Matrix Spike				Run: ICPMS207-B_250623A			06/24/25 13:51	
Antimony		0.0992	mg/L	0.0010	99	70	130			
Arsenic		0.0988	mg/L	0.0010	98	70	130			
Chromium		0.0966	mg/L	0.0050	97	70	130			
Molybdenum		0.103	mg/L	0.0010	97	70	130			
Thallium		0.113	mg/L	0.00050	113	70	130			
Uranium		0.108	mg/L	0.00030	107	70	130			
Lab ID: B25061568-002BMSD4	6	Sample Matrix Spike Duplicate				Run: ICPMS207-B_250623A			06/24/25 13:57	
Antimony		0.0943	mg/L	0.0010	94	70	130	5.1	20	
Arsenic		0.0966	mg/L	0.0010	95	70	130	2.3	20	
Chromium		0.0947	mg/L	0.0050	95	70	130	2.0	20	
Molybdenum		0.0984	mg/L	0.0010	92	70	130	4.9	20	
Thallium		0.112	mg/L	0.00050	112	70	130	0.9	20	
Uranium		0.105	mg/L	0.00030	105	70	130	2.3	20	
Lab ID: MB-200821	6	Method Blank				Run: ICPMS207-B_250623A			06/24/25 20:33	
Antimony		0.0001	mg/L	0.00008						
Arsenic		ND	mg/L	0.0002						
Chromium		ND	mg/L	0.0005						
Molybdenum		ND	mg/L	0.00009						

Qualifiers:

RL - Analyte Reporting Limit

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QA/QC Summary Report

Prepared by Billings, MT Branch

Work Order: B25061579

Report Date: 07/01/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method:	E200.8								Batch: 200821	
Lab ID:	MB-200821	6	Method Blank			Run: ICPMS207-B_250623A			06/24/25 20:33	
Thallium			ND	mg/L	0.0002					
Uranium			0.00003	mg/L	0.00002					
Lab ID:	B25061580-004BMS4	6	Sample Matrix Spike			Run: ICPMS207-B_250623A			06/24/25 22:18	
Antimony			0.191	mg/L	0.0010	94	70	130		
Arsenic			0.201	mg/L	0.0050	100	70	130		
Chromium			0.199	mg/L	0.0050	99	70	130		
Molybdenum			0.195	mg/L	0.0010	97	70	130		
Thallium			0.193	mg/L	0.0025	97	70	130		
Uranium			0.230	mg/L	0.00030	111	70	130		
Lab ID:	B25061580-004BMSD4	6	Sample Matrix Spike Duplicate			Run: ICPMS207-B_250623A			06/24/25 22:24	
Antimony			0.189	mg/L	0.0010	93	70	130	1.4	20
Arsenic			0.202	mg/L	0.0050	100	70	130	0.6	20
Chromium			0.202	mg/L	0.0050	101	70	130	1.5	20
Molybdenum			0.192	mg/L	0.0010	95	70	130	1.6	20
Thallium			0.196	mg/L	0.0025	98	70	130	1.1	20
Uranium			0.232	mg/L	0.00030	112	70	130	0.9	20
Method:	E200.8								Analytical Run: ICPMS207-B_250627A	
Lab ID:	QCS	Initial Calibration Verification Standard								06/27/25 10:55
Uranium			0.0422	mg/L	0.00030	105	90	110		
Lab ID:	CCV	Continuing Calibration Verification Standard								06/27/25 12:23
Uranium			0.0525	mg/L	0.00030	105	90	110		
Method:	E200.8								Batch: 200821	
Lab ID:	MB-200821	Method Blank				Run: ICPMS207-B_250627A			06/27/25 13:04	
Uranium			0.00003	mg/L	0.00002					
Method:	E200.8								Batch: R444978	
Lab ID:	LRB	Method Blank				Run: ICPMS207-B_250627A			06/27/25 11:19	
Uranium			ND	mg/L	7E-6					
Lab ID:	LFB	Laboratory Fortified Blank				Run: ICPMS207-B_250627A			06/27/25 11:36	
Uranium			0.0523	mg/L	0.00030	105	85	115		
Lab ID:	B25061407-001CMS	Sample Matrix Spike				Run: ICPMS207-B_250627A			06/27/25 13:56	
Uranium			0.0530	mg/L	0.00030	104	70	130		
Lab ID:	B25061407-001CMSD	Sample Matrix Spike Duplicate				Run: ICPMS207-B_250627A			06/27/25 14:02	
Uranium			0.0563	mg/L	0.00030	111	70	130	6.0	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: B25061579

Report Date: 07/01/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method:	E200.8									Analytical Run: ICPMS209-B_250625B
Lab ID:	QCS	3	Initial Calibration Verification Standard							06/26/25 02:57
Antimony		0.0394	mg/L	0.0050	98	90	110			
Arsenic		0.0388	mg/L	0.0050	97	90	110			
Thallium		0.0393	mg/L	0.0050	98	90	110			
Lab ID:	CCV	3	Continuing Calibration Verification Standard							06/26/25 08:01
Antimony		0.0483	mg/L	0.0050	97	90	110			
Arsenic		0.0463	mg/L	0.0050	93	90	110			
Thallium		0.0466	mg/L	0.0050	93	90	110			
Method:	E200.8									Batch: 200821
Lab ID:	MB-200821	3	Method Blank			Run: ICPMS209-B_250625B			06/26/25 07:56	
Antimony		ND	mg/L	0.00002						
Arsenic		ND	mg/L	0.00003						
Thallium		ND	mg/L	0.00008						

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)



Work Order Receipt Checklist

Linkan Engineering

B25061579

Login completed by: Crystal M. Jones

Date Received: 6/18/2025

Reviewed by: gmccartney

Received by: LDS

Reviewed Date: 6/26/2025

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:	4.1°C On 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



Trust our People. Trust our Data.

Chain of Custody & Analytical Request Record

www.energylab.com

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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
25-0152	193746

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	Brayant Acosta
Sampler Phone	760-238-0669
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	Matrix
W - Water	(See Codes Above)
S - Solids	
V - Vegetation	
B - Bioassay	
O - Oil	
DW - Drinking Water	

Analysis Requested

Sample Identification (Name, Location, Interval, etc.)	Collection Date	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
1 SW-AWD	6/17/25	0924	9	W										
2 SW-BPL	6/17/25	0940	9	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

RUSH	ELI LAB ID
TAT	Laboratory Use Only
	B25061579

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) Bryant Acosta	Date/Time 6/17/25/15:30	Signature BPA								
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	CC	Cash	Check	Amount \$	Receipt Number (cash/check only)
LABORATORY USE ONLY											
Received by Laboratory (print) Alex Schwiebert											
Date/Time 06-18-25 10:40											
Signature Alex Schwiebert											

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



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

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

BOTTLE ORDER 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

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.

We strongly suggest that the samples are shipped the same day as they are collected.