



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

11/25/2025
25US0221

**Re: Monthly Mine Pool Results for October 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.

Attached are the monthly mine pool results for October 2025. The sample was taken on October 14th.

Best regards,
Linkan

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

A handwritten signature in black ink, appearing to read "Patrick Delaney", is written in a cursive style.



Enclosures:

October 2025 Mine Pool Results

CC List:

Electronic Copy sent to the following:

Peter Hays, CDNR, peter.hays@state.co.us

Quinn Westmoreland, Linkan, quinn.westmoreland@linkan.com

Adam Billin, Linkan, adam.billin@linkan.com

Chris Prosper, Linkan, chris.prosper@linkan.com

Sam Billin, Linkan, sam.billin@linkan.com

Jared Buck, Linkan, jared.buck@linkan.com

Brandy Wadford, Linkan, brandy.wadford@linkan.com

Alex Schwiebert, Linkan, alex.schwiebert@linkan.com



ANALYTICAL SUMMARY REPORT

November 07, 2025

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

Work Order: B25101282 Quote ID: B17287

Project Name: Schwartzwalder Mine

Energy Laboratories Inc Billings MT received the following 1 sample for Linkan Engineering on 10/15/2025 for analysis.

Lab ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
B25101282-001	Mine Pool	10/14/25 8:25	10/15/25	Aqueous	Metals by ICP/ICPMS, Dissolved Metals by ICP/ICPMS, Total Alkalinity to pH 4.5 Cyanide, Weak Acid Dissociable Mercury, Dissolved Mercury, Total Oxygen, Dissolved Anions by Ion Chromatography Nitrogen, Nitrate + Nitrite Metals Digestion by E200.2 Preparation, Filtration for Orthophosphate MCAWW Mercury Digestion by E245.1 E365.1 Digestion, Total P Low Level Phosphorus, Orthophosphate as P Low level Phosphorus, Total Gross Alpha, Gross Beta, Total Radium 226, Dissolved 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: B25101282

Report Date: 11/07/25

CASE NARRATIVE

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

The Orthophosphate analysis for sample Mine Pool (B25101282-001) was performed outside the EPA holding time.

We apologize for any inconvenience this may have caused.



LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: Linkan Engineering
Project: Schwartzwalder Mine
Lab ID: B25101282-001
Client Sample ID: Mine Pool

Report Date: 11/07/25
Collection Date: 10/14/25 08:25
Date Received: 10/15/25
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
Solids, Total Suspended TSS @ 105 C	24	mg/L		10		A2540 D	10/16/25 14:26 / pjw
Solids, Total Dissolved TDS @ 180 C	3500	mg/L		100		A2540 C	10/15/25 16:20 / etv
INORGANICS							
Alkalinity, Total as CaCO ₃	810	mg/L		4		A2320 B	10/21/25 16:36 / srm
Bicarbonate as CaCO ₃	810	mg/L		3		A2320 B	10/21/25 16:36 / srm
Carbonate as CaCO ₃	ND	mg/L		7		A2320 B	10/21/25 16:36 / srm
Chloride	66	mg/L		5		E300.0	10/25/25 15:30 / jmm
Sulfate	1950	mg/L		20		E300.0	10/25/25 15:30 / jmm
Fluoride	1.3	mg/L		0.2		E300.0	10/25/25 15:30 / jmm
Hydroxide as CaCO ₃	ND	mg/L		10		A2320 B	10/21/25 16:36 / srm
Cyanide, Weak Acid Dissociable	ND	mg/L		0.005		Kelada-01	10/21/25 13:32 / fap
Oxygen, Dissolved	8.1	mg/L	H	0.1		A4500-O G	10/16/25 08:27 / mbs
NUTRIENTS							
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.01		E353.2	10/15/25 16:23 / rs4
Phosphorus, Orthophosphate as P	0.014	mg/L	H	0.002		E365.1	10/28/25 10:58 / daw
Phosphorus, Total as P	0.185	mg/L		0.002		E365.1	10/17/25 17:16 / jpv
METALS, DISSOLVED							
Aluminum	ND	mg/L		0.03		E200.8	10/17/25 19:00 / jks
Antimony	0.0001	mg/L	J	0.001		E200.8	10/20/25 22:36 / jks
Arsenic	0.026	mg/L		0.001		E200.8	10/17/25 07:51 / jks
Boron	0.30	mg/L		0.05		E200.7	10/16/25 14:27 / aem
Calcium	335	mg/L		1		E200.7	10/16/25 14:27 / aem
Chromium	ND	mg/L		0.005		E200.8	10/17/25 07:51 / jks
Copper	ND	mg/L		0.005		E200.8	10/18/25 22:30 / jks
Iron	8.12	mg/L		0.02		E200.8	10/17/25 07:51 / jks
Lead	ND	mg/L		0.001		E200.8	10/17/25 19:00 / jks
Magnesium	287	mg/L		1		E200.7	10/16/25 14:27 / aem
Manganese	0.564	mg/L		0.001		E200.8	10/17/25 07:51 / jks
Mercury	ND	mg/L		0.0001		E245.1	10/21/25 12:18 / nrb
Molybdenum	1.22	mg/L		0.001		E200.8	10/17/25 07:51 / jks
Potassium	31	mg/L		2		E200.7	10/16/25 14:27 / aem
Silver	ND	mg/L		0.001		E200.8	10/17/25 19:00 / jks
Sodium	357	mg/L		1		E200.7	10/16/25 14:27 / aem
Thallium	ND	mg/L		0.0005		E200.8	10/24/25 14:09 / aem
Uranium	23.1	mg/L		0.0005		E200.8	10/22/25 21:39 / jks
Zinc	ND	mg/L		0.01		E200.8	10/17/25 19:00 / jks
METALS, TOTAL							
Aluminum	0.004	mg/L	J	0.03		E200.8	10/19/25 07:07 / jks
Antimony	ND	mg/L		0.001		E200.8	10/19/25 07:07 / jks
Arsenic	0.033	mg/L		0.001		E200.8	10/19/25 07:07 / jks

Report Definitions:
RL - Analyte Reporting Limit
QCL - Quality Control Limit
H - Analysis performed past the method holding time

MCL - Maximum Contaminant Level
ND - Not detected at the Reporting Limit (RL)
J - Estimated value - analyte was present but less than the Reporting Limit (RL)



LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: Linkan Engineering
Project: Schwartzwalder Mine
Lab ID: B25101282-001
Client Sample ID: Mine Pool

Report Date: 11/07/25
Collection Date: 10/14/25 08:25
DateReceived: 10/15/25
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS, TOTAL							
Boron	0.30	mg/L		0.05		E200.7	10/20/25 18:45 / jaw
Chromium	ND	mg/L		0.005		E200.8	10/20/25 17:28 / jks
Copper	ND	mg/L		0.005		E200.8	10/20/25 17:28 / jks
Iron	9.30	mg/L		0.02		E200.8	10/19/25 07:07 / jks
Lead	ND	mg/L		0.001		E200.8	10/18/25 22:23 / jks
Manganese	0.612	mg/L		0.001		E200.8	10/19/25 07:07 / jks
Mercury	ND	mg/L		0.0001		E245.1	10/21/25 12:19 / nrb
Molybdenum	1.21	mg/L		0.001		E200.8	10/21/25 16:05 / jks
Silver	ND	mg/L		0.001		E200.8	10/19/25 07:07 / jks
Thallium	ND	mg/L		0.0005		E200.8	10/21/25 16:05 / jks
Zinc	0.003	mg/L	J	0.01		E200.8	10/20/25 17:28 / jks
RADIONUCLIDES - DISSOLVED							
Radium 226	70.8	pCi/L				E903.0	11/04/25 12:49 / eli-ca
Radium 226 precision (±)	10.9	pCi/L				E903.0	11/04/25 12:49 / eli-ca
Radium 226 MDC	0.1	pCi/L				E903.0	11/04/25 12:49 / eli-ca
RADIONUCLIDES - TOTAL							
Gross Alpha	13100	pCi/L				E900.0	11/01/25 03:53 / eli-ca
Gross Alpha precision (±)	2840	pCi/L				E900.0	11/01/25 03:53 / eli-ca
Gross Alpha MDC	14.3	pCi/L				E900.0	11/01/25 03:53 / eli-ca
Gross Beta	4390	pCi/L				E900.0	11/01/25 03:53 / eli-ca
Gross Beta precision (±)	285	pCi/L				E900.0	11/01/25 03:53 / eli-ca
Gross Beta MDC	11.3	pCi/L				E900.0	11/01/25 03:53 / 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)

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

QA/QC Summary Report

Prepared by Casper, WY Branch

Work Order: B25101282

Report Date: 11/06/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E900.0										Batch: GrAB-3495
Lab ID: Th230-GrAB-3495	3	Laboratory Control Sample				Run: TENNELEC-4_251023G				10/30/25 04:09
Gross Alpha		85	pCi/L	84		70	130			
Gross Alpha precision (±)		19	pCi/L							
Gross Alpha MDC		1.4	pCi/L							
Lab ID: Sr90-GrAB-3495	3	Laboratory Control Sample				Run: TENNELEC-4_251023G				10/30/25 04:09
Gross Beta		170	pCi/L	95		70	130			
Gross Beta precision (±)		12	pCi/L							
Gross Beta MDC		2.3	pCi/L							
Lab ID: MB-GrAB-3495	6	Method Blank				Run: TENNELEC-4_251023G				10/30/25 04:09
Gross Alpha		-3	pCi/L							U
Gross Alpha precision (±)		0.7	pCi/L							
Gross Alpha MDC		1	pCi/L							
Gross Beta		0.8	pCi/L							U
Gross Beta precision (±)		1	pCi/L							
Gross Beta MDC		2	pCi/L							
Lab ID: C25100396-001DMS	3	Sample Matrix Spike				Run: TENNELEC-4_251023G				10/31/25 04:01
Gross Alpha		120	pCi/L	98		70	130			
Gross Alpha precision (±)		27	pCi/L							
Gross Alpha MDC		3.3	pCi/L							
Lab ID: C25100396-001DMSD	3	Sample Matrix Spike Duplicate				Run: TENNELEC-4_251023G				10/31/25 04:01
Gross Alpha		120	pCi/L	101		70	130	2.6	30	
Gross Alpha precision (±)		27	pCi/L							
Gross Alpha MDC		3.2	pCi/L							
- The RER result is 0.08.										
Lab ID: C25100396-001DMS1	3	Sample Matrix Spike				Run: TENNELEC-4_251023G				10/30/25 04:09
Gross Beta		230	pCi/L	101		70	130			
Gross Beta precision (±)		16	pCi/L							
Gross Beta MDC		3.2	pCi/L							
Lab ID: C25100396-001DMSD1	3	Sample Matrix Spike Duplicate				Run: TENNELEC-4_251023G				10/31/25 04:01
Gross Beta		240	pCi/L	104		70	130	2.5	30	
Gross Beta precision (±)		16	pCi/L							
Gross Beta MDC		3.0	pCi/L							
- The RER result is 0.26.										

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: B25101282

Report Date: 11/06/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E903.0										Batch: RA226-11873
Lab ID: LCS-RA226-11873	3	Laboratory Control Sample			Run: TENNELEC-4_251023I			11/03/25 10:51		
Radium 226		10	pCi/L	101		70	130			
Radium 226 precision (±)		1.6	pCi/L							
Radium 226 MDC		0.17	pCi/L							
Lab ID: MB-RA226-11873	3	Method Blank			Run: TENNELEC-4_251023I			11/03/25 10:51		
Radium 226		0.03	pCi/L							U
Radium 226 precision (±)		0.1	pCi/L							
Radium 226 MDC		0.2	pCi/L							
Lab ID: C25100535-001CDUP	3	Sample Duplicate			Run: TENNELEC-4_251023I			11/04/25 12:49		
Radium 226		6.5	pCi/L					3.5	30	
Radium 226 precision (±)		1.1	pCi/L							
Radium 226 MDC		0.12	pCi/L							
- The RER result is 0.15.										

Qualifiers:

RL - Analyte Reporting Limit
U - Not detected

ND - Not detected at the Reporting Limit (RL)



QA/QC Summary Report

Prepared by Billings, MT Branch

Work Order: B25101282

Report Date: 10/27/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2320 B										Batch: ALK251021
Lab ID: MBLK										
		Method Blank				Run: ORIONVERSASTARPRO_251		10/21/25 14:20		
Alkalinity, Total as CaCO ₃		ND	mg/L	4						
Lab ID: LCS										
		Laboratory Control Sample				Run: ORIONVERSASTARPRO_251		10/21/25 14:26		
Alkalinity, Total as CaCO ₃		100	mg/L	4.0	100	90	110			
Lab ID: B25101092-001ADUP										
		4 Sample Duplicate				Run: ORIONVERSASTARPRO_251		10/21/25 14:45		
Alkalinity, Total as CaCO ₃		7.50	mg/L	4.0				0.0	10	
Bicarbonate as HCO ₃		9.14	mg/L	4.0				0.0	10	
Carbonate as CO ₃		ND	mg/L	4.0					10	
Hydroxide as OH		ND	mg/L	4.0					10	

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)



QA/QC Summary Report

Prepared by Billings, MT Branch

Work Order: B25101282

Report Date: 10/27/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2540 C								Batch: TDS20251015B		
Lab ID: MBLK_20251015-8	Method Blank					Run: Bal #30_251015C		10/15/25 16:17		
Solids, Total Dissolved TDS @ 180 C	ND	mg/L	20							
Lab ID: LCS_20251015-2	Laboratory Control Sample					Run: Bal #30_251015C		10/15/25 16:17		
Solids, Total Dissolved TDS @ 180 C	996	mg/L	25	100	90	110				
Lab ID: B25101282-001BDUP	Sample Duplicate					Run: Bal #30_251015C		10/15/25 16:20		
Solids, Total Dissolved TDS @ 180 C	3520	mg/L	100					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: B25101282

Report Date: 10/27/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2540 D										Batch: TSS20251016B
Lab ID: MBLK_20251016-10		Method Blank					Run: BAL #30_251016B			10/16/25 14:26
Solids, Total Suspended TSS @ 105 C		ND	mg/L	0.6						
Lab ID: LCS_20251016-4										Run: BAL #30_251016B
Solids, Total Suspended TSS @ 105 C		101	mg/L	25	101	80	120			10/16/25 14:26
Lab ID: B25101303-003BDUP										Run: BAL #30_251016B
Solids, Total Suspended TSS @ 105 C		35.2	mg/L	10				3.5	10	10/16/25 15:47

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)



QA/QC Summary Report

Prepared by Billings, MT Branch

Work Order: B25101282

Report Date: 10/27/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-O G									Batch: R452092	
Lab ID: B25101237-001ADUP		Sample Duplicate				Run: DO_METER_251016A			10/16/25 08:09	
Oxygen, Dissolved		9.42	mg/L	0.10				3.1	30	H

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)

H - Analysis performed past the method holding time



QA/QC Summary Report

Prepared by Billings, MT Branch

Work Order: B25101282

Report Date: 10/27/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E300.0						Analytical Run: IC METROHM 2_251020A				
Lab ID: ICV	3	Initial Calibration Verification Standard								10/20/25 16:36
Chloride		25.9	mg/L	1.0	104	90	110			
Sulfate		104	mg/L	1.0	104	90	110			
Fluoride		1.29	mg/L	0.10	103	90	110			
Lab ID: CCV	3	Continuing Calibration Verification Standard								10/25/25 13:48
Chloride		25.7	mg/L	1.0	103	90	110			
Sulfate		103	mg/L	1.0	103	90	110			
Fluoride		1.20	mg/L	0.10	96	90	110			
Method: E300.0						Batch: R452335				
Lab ID: ICB	3	Method Blank								Run: IC METROHM 2_251020A 10/20/25 16:53
Chloride		ND	mg/L	0.09						
Sulfate		ND	mg/L	0.4						
Fluoride		ND	mg/L	0.005						
Lab ID: LFB	3	Laboratory Fortified Blank								Run: IC METROHM 2_251020A 10/20/25 17:10
Chloride		26.6	mg/L	1.0	106	90	110			
Sulfate		107	mg/L	1.1	107	90	110			
Fluoride		1.27	mg/L	0.10	102	90	110			
Lab ID: B25101412-001AMS	3	Sample Matrix Spike								Run: IC METROHM 2_251020A 10/25/25 16:21
Chloride		440	mg/L	2.6	96	90	110			
Sulfate		2420	mg/L	11	88	90	110			S
Fluoride		12.7	mg/L	0.13	92	90	110			
Lab ID: B25101412-001AMSD	3	Sample Matrix Spike Duplicate								Run: IC METROHM 2_251020A 10/25/25 16:37
Chloride		431	mg/L	2.6	92	90	110	2.2	20	
Sulfate		2380	mg/L	11	83	90	110	2.0	20	S
Fluoride		12.5	mg/L	0.13	91	90	110	1.4	20	
Lab ID: B25101413-010AMS	3	Sample Matrix Spike								Run: IC METROHM 2_251020A 10/25/25 20:18
Chloride		48.8	mg/L	1.0	102	90	110			
Sulfate		240	mg/L	1.1	104	90	110			
Fluoride		1.34	mg/L	0.10	95	90	110			
Lab ID: B25101413-010AMSD	3	Sample Matrix Spike Duplicate								Run: IC METROHM 2_251020A 10/25/25 20:35
Chloride		48.3	mg/L	1.0	100	90	110	1.0	20	
Sulfate		238	mg/L	1.1	102	90	110	0.8	20	
Fluoride		1.32	mg/L	0.10	93	90	110	1.7	20	

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: B25101282

Report Date: 10/27/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E353.2 Analytical Run: FIA203-B_251015B										
Lab ID: ICV	Initial Calibration Verification Standard 10/15/25 12:31									
Nitrogen, Nitrate+Nitrite as N		0.980	mg/L	0.010	98	90	110			
Lab ID: CCV_20251015-13 Continuing Calibration Verification Standard 10/15/25 16:21										
Nitrogen, Nitrate+Nitrite as N		1.01	mg/L	0.010	101	90	110			
Method: E353.2 Batch: R452053										
Lab ID: FilterMBLK	Method Blank Run: FIA203-B_251015B 10/15/25 12:32									
Nitrogen, Nitrate+Nitrite as N		ND	mg/L	0.009						
Lab ID: MBLK_20251015-6	Method Blank Run: FIA203-B_251015B 10/15/25 12:33									
Nitrogen, Nitrate+Nitrite as N		ND	mg/L	0.009						
Lab ID: FilterLFB	Laboratory Fortified Blank Run: FIA203-B_251015B 10/15/25 12:34									
Nitrogen, Nitrate+Nitrite as N		1.02	mg/L	0.010	102	90	110			
Lab ID: LFB_20251015-2	Laboratory Fortified Blank Run: FIA203-B_251015B 10/15/25 12:35									
Nitrogen, Nitrate+Nitrite as N		1.04	mg/L	0.010	104	90	110			
Lab ID: B25101282-001FMS	Sample Matrix Spike Run: FIA203-B_251015B 10/15/25 16:24									
Nitrogen, Nitrate+Nitrite as N		0.902	mg/L	0.010	90	90	110			
Lab ID: B25101282-001FMSD	Sample Matrix Spike Duplicate Run: FIA203-B_251015B 10/15/25 16:25									
Nitrogen, Nitrate+Nitrite as N		0.910	mg/L	0.010	91	90	110	0.9	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: B25101282

Report Date: 10/27/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: Kelada-01								Analytical Run: SFA-202-B_251021A		
Lab ID: ICV	Initial Calibration Verification Standard								10/21/25	13:07
Cyanide, Weak Acid Dissociable		0.106	mg/L	0.0050	106	90	110			
Method: Kelada-01								Batch: R452422		
Lab ID: ICB	Method Blank					Run: SFA-202-B_251021A			10/21/25	13:09
Cyanide, Weak Acid Dissociable		ND	mg/L	0.002						
Lab ID: LFB	Laboratory Fortified Blank					Run: SFA-202-B_251021A			10/21/25	13:11
Cyanide, Weak Acid Dissociable		0.0984	mg/L	0.0050	98	90	110			
Lab ID: LCS1-ZnCN2	Laboratory Control Sample					Run: SFA-202-B_251021A			10/21/25	13:13
Cyanide, Weak Acid Dissociable		0.100	mg/L	0.0050	100	90	110			
Lab ID: LCS2-K3Fe(CN)6	Laboratory Control Sample					Run: SFA-202-B_251021A			10/21/25	13:15
Cyanide, Weak Acid Dissociable		0.00180	mg/L	0.0050	1	0	5			
Lab ID: LCS3-K4Fe(CN)6	Laboratory Control Sample					Run: SFA-202-B_251021A			10/21/25	13:17
Cyanide, Weak Acid Dissociable		ND	mg/L	0.0050	0	0	5			
Lab ID: B25101282-001GMS	Sample Matrix Spike					Run: SFA-202-B_251021A			10/21/25	13:36
Cyanide, Weak Acid Dissociable		0.0983	mg/L	0.0050	98	80	120			
Lab ID: B25101282-001GMSD	Sample Matrix Spike Duplicate					Run: SFA-202-B_251021A			10/21/25	13:40
Cyanide, Weak Acid Dissociable		0.104	mg/L	0.0050	103	80	120	5.2	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: B25101282

Report Date: 10/27/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7										Analytical Run: ICP205-B_251016B
Lab ID: ICV	5	Continuing Calibration Verification Standard							10/16/25 13:51	
Boron		2.56	mg/L	0.10	102	95	105			
Calcium		25.2	mg/L	1.0	101	95	105			
Magnesium		25.4	mg/L	1.0	102	95	105			
Potassium		25.0	mg/L	1.0	100	95	105			
Sodium		25.2	mg/L	1.0	101	95	105			
Lab ID: CCV	5	Continuing Calibration Verification Standard							10/16/25 14:24	
Boron		2.52	mg/L	0.10	101	90	110			
Calcium		25.1	mg/L	1.0	100	90	110			
Magnesium		25.2	mg/L	1.0	101	90	110			
Potassium		25.1	mg/L	1.0	100	90	110			
Sodium		25.4	mg/L	1.0	102	90	110			
Method: E200.7										Batch: R452195
Lab ID: MB-5900DIS251016A	5	Method Blank							Run: ICP205-B_251016B 10/16/25 14:05	
Boron		ND	mg/L	0.006						
Calcium		ND	mg/L	0.06						
Magnesium		ND	mg/L	0.05						
Potassium		ND	mg/L	0.1						
Sodium		ND	mg/L	0.05						
Lab ID: LFB-5900DIS251016A	5	Laboratory Fortified Blank							Run: ICP205-B_251016B 10/16/25 14:07	
Boron		1.14	mg/L	0.10	114	85	115			
Calcium		55.7	mg/L	1.0	111	85	115			
Magnesium		55.6	mg/L	1.0	111	85	115			
Potassium		55.4	mg/L	1.0	111	85	115			
Sodium		55.6	mg/L	1.0	111	85	115			
Lab ID: B25101329-006CMS2	5	Sample Matrix Spike							Run: ICP205-B_251016B 10/16/25 14:50	
Boron		1.64	mg/L	0.050	106	70	130			
Calcium		214	mg/L	1.0	100	70	130			
Magnesium		270	mg/L	1.0		70	130			A
Potassium		466	mg/L	1.0		70	130			A
Sodium		296	mg/L	1.0		70	130			A
Lab ID: B25101329-006CMSD2	5	Sample Matrix Spike Duplicate							Run: ICP205-B_251016B 10/16/25 14:52	
Boron		1.70	mg/L	0.050	112	70	130	3.9	20	
Calcium		217	mg/L	1.0	107	70	130	1.7	20	
Magnesium		273	mg/L	1.0		70	130	1.1	20	A
Potassium		467	mg/L	1.0		70	130	0.2	20	A
Sodium		298	mg/L	1.0		70	130	0.7	20	A

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: B25101282

Report Date: 10/27/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7										Analytical Run: ICP205-B_251020A
Lab ID: ICV		Continuing Calibration Verification Standard								10/20/25 16:22
Boron		2.56	mg/L	0.10	102	95	105			
Lab ID: CCV		Continuing Calibration Verification Standard								10/20/25 18:34
Boron		2.50	mg/L	0.10	100	90	110			
Method: E200.7										Batch: 204173
Lab ID: MB-204173		Method Blank								Run: ICP205-B_251020A 10/20/25 18:08
Boron		ND	mg/L	0.008						
Lab ID: LCS3-204173		Laboratory Control Sample								Run: ICP205-B_251020A 10/20/25 18:10
Boron		1.04	mg/L	0.10	104	85	115			
Lab ID: B25101188-002DMS3		Sample Matrix Spike								Run: ICP205-B_251020A 10/20/25 18:31
Boron		1.35	mg/L	0.050	104	70	130			
Lab ID: B25101188-002DMSD3		Sample Matrix Spike Duplicate								Run: ICP205-B_251020A 10/20/25 18:32
Boron		1.19	mg/L	0.050	88	70	130	13	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: B25101282

Report Date: 10/27/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8								Analytical Run: ICPMS207-B_251017A		
Lab ID: QCS	7	Initial Calibration Verification Standard							10/18/25 14:10	
Aluminum		0.209	mg/L	0.020	105	90	110			
Antimony		0.0402	mg/L	0.0050	101	90	110			
Arsenic		0.0410	mg/L	0.0050	102	90	110			
Iron		0.199	mg/L	0.020	100	90	110			
Lead		0.0406	mg/L	0.0010	102	90	110			
Manganese		0.208	mg/L	0.0050	104	90	110			
Silver		0.0203	mg/L	0.0050	101	90	110			
Lab ID: CCV	6	Continuing Calibration Verification Standard							10/18/25 22:05	
Aluminum		0.0456	mg/L	0.020	91	90	110			
Antimony		0.0494	mg/L	0.0050	99	90	110			
Arsenic		0.0473	mg/L	0.0050	95	90	110			
Iron		1.20	mg/L	0.020	93	90	110			
Lead		0.0462	mg/L	0.0010	92	90	110			
Manganese		0.0502	mg/L	0.0050	100	90	110			
Lab ID: QCS	7	Initial Calibration Verification Standard							10/18/25 23:24	
Aluminum		0.202	mg/L	0.020	101	90	110			
Antimony		0.0422	mg/L	0.0050	106	90	110			
Arsenic		0.0399	mg/L	0.0050	100	90	110			
Iron		0.204	mg/L	0.020	102	90	110			
Lead		0.0405	mg/L	0.0010	101	90	110			
Manganese		0.190	mg/L	0.0050	95	90	110			
Silver		0.0200	mg/L	0.0050	100	90	110			
Lab ID: CCV	7	Continuing Calibration Verification Standard							10/19/25 06:07	
Aluminum		0.0500	mg/L	0.020	100	90	110			
Antimony		0.0488	mg/L	0.0050	98	90	110			
Arsenic		0.0472	mg/L	0.0050	94	90	110			
Iron		1.21	mg/L	0.020	93	90	110			
Lead		0.0475	mg/L	0.0010	95	90	110			
Manganese		0.0486	mg/L	0.0050	97	90	110			
Silver		0.0180	mg/L	0.0050	90	90	110			
Method: E200.8								Batch: 204173		
Lab ID: MB-204173	12	Method Blank				Run: ICPMS207-B_251017A			10/18/25 17:34	
Aluminum		ND	mg/L	0.002						
Antimony		ND	mg/L	0.00008						
Arsenic		ND	mg/L	0.0002						
Chromium		ND	mg/L	0.0005						
Copper		ND	mg/L	0.0001						
Iron		ND	mg/L	0.004						
Lead		ND	mg/L	0.00005						
Manganese		ND	mg/L	0.0001						
Molybdenum		ND	mg/L	0.00009						
Silver		ND	mg/L	4E-6						

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)

QA/QC Summary Report

Prepared by Billings, MT Branch

Work Order: B25101282

Report Date: 10/27/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8										Batch: 204173
Lab ID: MB-204173	12	Method Blank				Run: ICPMS207-B_251017A				10/18/25 17:34
Thallium		ND	mg/L	0.0002						
Zinc		0.002	mg/L	0.001						
Lab ID: LCS3-204173	12	Laboratory Control Sample				Run: ICPMS207-B_251017A				10/18/25 17:45
Aluminum		4.83	mg/L	0.10	97	85	115			
Antimony		1.06	mg/L	0.0050	106	85	115			
Arsenic		1.02	mg/L	0.010	102	85	115			
Chromium		1.03	mg/L	0.010	103	85	115			
Copper		1.03	mg/L	0.010	103	85	115			
Iron		5.13	mg/L	0.20	103	85	115			
Lead		0.957	mg/L	0.0010	96	85	115			
Manganese		5.09	mg/L	0.010	102	85	115			
Molybdenum		1.10	mg/L	0.0050	110	85	115			
Silver		0.0916	mg/L	0.0050	92	85	115			
Thallium		1.01	mg/L	0.0050	101	85	115			
Zinc		1.02	mg/L	0.040	102	85	115			
Lab ID: B25101188-002DMS3	12	Sample Matrix Spike				Run: ICPMS207-B_251017A				10/18/25 19:36
Aluminum		4.83	mg/L	0.10	96	70	130			
Antimony		1.09	mg/L	0.0020	109	70	130			
Arsenic		1.01	mg/L	0.010	101	70	130			
Chromium		0.991	mg/L	0.010	99	70	130			
Copper		0.986	mg/L	0.010	99	70	130			
Iron		7.61	mg/L	0.20	102	70	130			
Lead		0.996	mg/L	0.0010	100	70	130			
Manganese		5.18	mg/L	0.010	102	70	130			
Molybdenum		1.07	mg/L	0.0020	107	70	130			
Silver		0.0924	mg/L	0.0010	92	70	130			
Thallium		0.894	mg/L	0.0050	89	70	130			
Zinc		1.03	mg/L	0.040	103	70	130			
Lab ID: B25101188-002DMSD3	12	Sample Matrix Spike Duplicate				Run: ICPMS207-B_251017A				10/18/25 19:42
Aluminum		3.90	mg/L	0.10	78	70	130	21	20	R
Antimony		1.08	mg/L	0.0020	107	70	130	1.8	20	
Arsenic		0.875	mg/L	0.010	87	70	130	15	20	
Chromium		0.849	mg/L	0.010	85	70	130	15	20	
Copper		0.861	mg/L	0.010	86	70	130	14	20	
Iron		7.09	mg/L	0.20	91	70	130	7.2	20	
Lead		0.840	mg/L	0.0010	84	70	130	17	20	
Manganese		4.44	mg/L	0.010	87	70	130	15	20	
Molybdenum		1.07	mg/L	0.0020	107	70	130	0.3	20	
Silver		0.0752	mg/L	0.0010	75	70	130	20	20	R
Thallium		0.794	mg/L	0.0050	79	70	130	12	20	
Zinc		0.872	mg/L	0.040	87	70	130	16	20	

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)

R - Relative Percent Difference (RPD) exceeds advisory limit

QA/QC Summary Report

Prepared by Billings, MT Branch

Work Order: B25101282

Report Date: 10/27/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8										Batch: 204173
Lab ID: B25101192-001DMS4	12	Sample Matrix Spike		Run: ICPMS207-B_251017A				10/18/25 20:29		
Aluminum		1.52	mg/L	0.050	83	70	130			
Antimony		0.124	mg/L	0.0010	61	70	130			S
Arsenic		0.175	mg/L	0.0050	84	70	130			
Chromium		0.170	mg/L	0.0050	85	70	130			
Copper		0.247	mg/L	0.0050	79	70	130			
Iron		2.66	mg/L	0.10	82	70	130			
Lead		0.170	mg/L	0.0010	80	70	130			
Manganese		1.11	mg/L	0.0050	86	70	130			
Molybdenum		0.127	mg/L	0.0010	57	70	130			S
Silver		0.00619	mg/L	0.0010	30	70	130			S
Thallium		0.168	mg/L	0.0025	84	70	130			
Zinc		0.185	mg/L	0.020	83	70	130			
Lab ID: B25101192-001DMSD4	12	Sample Matrix Spike Duplicate		Run: ICPMS207-B_251017A				10/18/25 20:35		
Aluminum		1.63	mg/L	0.050	94	70	130	6.9	20	
Antimony		0.137	mg/L	0.0010	67	70	130	9.7	20	S
Arsenic		0.194	mg/L	0.0050	93	70	130	10	20	
Chromium		0.188	mg/L	0.0050	94	70	130	10	20	
Copper		0.261	mg/L	0.0050	86	70	130	5.4	20	
Iron		2.66	mg/L	0.10	83	70	130	0.1	20	
Lead		0.192	mg/L	0.0010	91	70	130	12	20	
Manganese		1.20	mg/L	0.0050	95	70	130	7.9	20	
Molybdenum		0.138	mg/L	0.0010	63	70	130	8.6	20	S
Silver		0.00813	mg/L	0.0010	40	70	130	27	20	SR
Thallium		0.190	mg/L	0.0025	95	70	130	12	20	
Zinc		0.200	mg/L	0.020	91	70	130	7.7	20	
Lab ID: MB-204173	12	Method Blank		Run: ICPMS207-B_251017A				10/19/25 04:49		
Aluminum		0.002	mg/L	0.002						
Antimony		ND	mg/L	0.00008						
Arsenic		ND	mg/L	0.0002						
Chromium		ND	mg/L	0.0005						
Copper		ND	mg/L	0.0001						
Iron		ND	mg/L	0.004						
Lead		ND	mg/L	0.00005						
Manganese		ND	mg/L	0.0001						
Molybdenum		ND	mg/L	0.00009						
Silver		ND	mg/L	4E-6						
Thallium		0.0002	mg/L	0.0002						
Zinc		ND	mg/L	0.001						

Qualifiers:

RL - Analyte Reporting Limit

R - Relative Percent Difference (RPD) exceeds advisory 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: B25101282

Report Date: 10/27/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8 Analytical Run: ICPMS207-B_251020A										
Lab ID: QCS	Initial Calibration Verification Standard 10/20/25 20:04									
Antimony		0.0402	mg/L	0.0050	100	90	110			
Lab ID: CCV	Continuing Calibration Verification Standard 10/20/25 21:43									
Antimony		0.0484	mg/L	0.0050	97	90	110			
Lab ID: CCV	Continuing Calibration Verification Standard 10/21/25 19:37									
Antimony		0.0498	mg/L	0.0050	100	90	110			
Method: E200.8 Batch: R452304										
Lab ID: LRB	Method Blank Run: ICPMS207-B_251020A 10/20/25 12:52									
Antimony		ND	mg/L	0.00004						
Lab ID: LFB	Laboratory Fortified Blank Run: ICPMS207-B_251020A 10/20/25 13:16									
Antimony		0.0497	mg/L	0.0050	99	85	115			
Lab ID: B25101337-002DMS	Sample Matrix Spike Run: ICPMS207-B_251020A 10/21/25 21:22									
Antimony		0.248	mg/L	0.0010	99	70	130			
Lab ID: B25101337-002DMSD	Sample Matrix Spike Duplicate Run: ICPMS207-B_251020A 10/21/25 21:28									
Antimony		0.263	mg/L	0.0010	105	70	130	5.8	20	
Method: E200.8 Analytical Run: ICPMS207-B_251022A										
Lab ID: QCS	Initial Calibration Verification Standard 10/22/25 15:32									
Uranium		0.0410	mg/L	0.00030	102	90	110			
Lab ID: CCV	Continuing Calibration Verification Standard 10/22/25 21:10									
Uranium		0.0522	mg/L	0.00030	104	90	110			
Lab ID: CCV	Continuing Calibration Verification Standard 10/23/25 22:07									
Uranium		0.0506	mg/L	0.00030	101	90	110			
Method: E200.8 Batch: R452466										
Lab ID: LRB	Method Blank Run: ICPMS207-B_251022A 10/22/25 12:12									
Uranium		0.00002	mg/L	7E-6						
Lab ID: LFB	Laboratory Fortified Blank Run: ICPMS207-B_251022A 10/22/25 12:30									
Uranium		0.0532	mg/L	0.00030	106	85	115			
Lab ID: B25101167-001AMS	Sample Matrix Spike Run: ICPMS207-B_251022A 10/22/25 19:08									
Uranium		0.0552	mg/L	0.00030	105	70	130			
Lab ID: B25101167-001AMSD	Sample Matrix Spike Duplicate Run: ICPMS207-B_251022A 10/22/25 19:14									
Uranium		0.0602	mg/L	0.00030	115	70	130	8.6	20	
Lab ID: B25101420-001BMS	Sample Matrix Spike Run: ICPMS207-B_251022A 10/23/25 23:23									
Uranium		0.0514	mg/L	0.00030	103	70	130			
Lab ID: B25101420-001BMSD	Sample Matrix Spike Duplicate Run: ICPMS207-B_251022A 10/23/25 23:40									
Uranium		0.0536	mg/L	0.00030	107	70	130	4.2	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: B25101282

Report Date: 10/27/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8										Analytical Run: ICPMS207-B_251024A
Lab ID: QCS		Initial Calibration Verification Standard								10/24/25 11:55
Thallium		0.0378	mg/L	0.0050	95	90	110			
Lab ID: CCV		Continuing Calibration Verification Standard								10/24/25 13:23
Thallium		0.0495	mg/L	0.0050	99	90	110			
Method: E200.8										Batch: R452600
Lab ID: LRB		Method Blank					Run: ICPMS207-B_251024A			10/24/25 12:19
Thallium		ND	mg/L	0.0002						
Lab ID: LFB		Laboratory Fortified Blank					Run: ICPMS207-B_251024A			10/24/25 12:36
Thallium		0.0481	mg/L	0.0050	96	85	115			
Lab ID: B25101282-001DMS		Sample Matrix Spike					Run: ICPMS207-B_251024A			10/24/25 14:15
Thallium		0.104	mg/L	0.00052	104	70	130			
Lab ID: B25101282-001DMSD		Sample Matrix Spike Duplicate					Run: ICPMS207-B_251024A			10/24/25 14:21
Thallium		0.105	mg/L	0.00052	105	70	130	0.8	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: B25101282

Report Date: 10/27/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8								Analytical Run: ICPMS208-B_251017A		
Lab ID: QCS	5	Initial Calibration Verification Standard							10/17/25 12:28	
Aluminum		0.204	mg/L	0.020	102	90	110			
Copper		0.0378	mg/L	0.010	94	90	110			
Lead		0.0418	mg/L	0.0010	104	90	110			
Silver		0.0207	mg/L	0.0050	103	90	110			
Zinc		0.0388	mg/L	0.0050	97	90	110			
Lab ID: CCV	4	Continuing Calibration Verification Standard							10/17/25 18:00	
Aluminum		0.0451	mg/L	0.020	90	90	110			
Lead		0.0496	mg/L	0.0010	99	90	110			
Silver		0.0189	mg/L	0.0050	95	90	110			
Zinc		0.0449	mg/L	0.0050	90	90	110			
Lab ID: QCS	5	Initial Calibration Verification Standard							10/18/25 20:07	
Aluminum		0.205	mg/L	0.020	102	90	110			
Copper		0.0388	mg/L	0.010	97	90	110			
Lead		0.0406	mg/L	0.0010	102	90	110			
Silver		0.0203	mg/L	0.0050	102	90	110			
Zinc		0.0397	mg/L	0.0050	99	90	110			
Lab ID: CCV	5	Continuing Calibration Verification Standard							10/18/25 21:43	
Aluminum		0.0485	mg/L	0.020	97	90	110			
Copper		0.0475	mg/L	0.010	95	90	110			
Lead		0.0503	mg/L	0.0010	101	90	110			
Silver		0.0192	mg/L	0.0050	96	90	110			
Zinc		0.0474	mg/L	0.0050	95	90	110			
Method: E200.8								Batch: R452244		
Lab ID: LRB	5	Method Blank							Run: ICPMS208-B_251017A 10/17/25 12:51	
Aluminum		ND	mg/L	0.0009						
Copper		ND	mg/L	0.00007						
Lead		ND	mg/L	0.00002						
Silver		ND	mg/L	5E-6						
Zinc		ND	mg/L	0.0008						
Lab ID: LFB	5	Laboratory Fortified Blank							Run: ICPMS208-B_251017A 10/17/25 13:09	
Aluminum		0.0484	mg/L	0.020	97	85	115			
Copper		0.0450	mg/L	0.010	90	85	115			
Lead		0.0513	mg/L	0.0010	103	85	115			
Silver		0.0188	mg/L	0.0050	94	85	115			
Zinc		0.0469	mg/L	0.0050	94	85	115			
Lab ID: B25101383-002BMS	5	Sample Matrix Spike							Run: ICPMS208-B_251017A 10/17/25 19:35	
Aluminum		0.0493	mg/L	0.030	92	70	130			
Copper		0.0462	mg/L	0.0050	87	70	130			
Lead		0.0519	mg/L	0.0010	104	70	130			
Silver		0.0187	mg/L	0.0010	94	70	130			
Zinc		0.0458	mg/L	0.010	73	70	130			

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)



QA/QC Summary Report

Prepared by Billings, MT Branch

Work Order: B25101282

Report Date: 10/27/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8										Batch: R452244
Lab ID: B25101383-002BMS	5	Sample Matrix Spike				Run: ICPMS208-B_251017A				10/17/25 19:35
Lab ID: B25101383-002BMSD	5	Sample Matrix Spike Duplicate				Run: ICPMS208-B_251017A				10/17/25 19:41
Aluminum		0.0471	mg/L	0.030	88	70	130	4.7	20	
Copper		0.0448	mg/L	0.0050	85	70	130	2.9	20	
Lead		0.0490	mg/L	0.0010	98	70	130	5.7	20	
Silver		0.0179	mg/L	0.0010	90	70	130	4.3	20	
Zinc		0.0460	mg/L	0.010	73	70	130	0.5	20	
Lab ID: B25101444-003BMS	5	Sample Matrix Spike				Run: ICPMS208-B_251017A				10/18/25 23:18
Aluminum		0.241	mg/L	0.030	93	70	130			
Copper		0.226	mg/L	0.0050	90	70	130			
Lead		0.242	mg/L	0.0010	97	70	130			
Silver		0.0946	mg/L	0.0010	95	70	130			
Zinc		0.227	mg/L	0.010	87	70	130			
Lab ID: B25101444-003BMSD	5	Sample Matrix Spike Duplicate				Run: ICPMS208-B_251017A				10/18/25 23:24
Aluminum		0.248	mg/L	0.030	95	70	130	2.4	20	
Copper		0.229	mg/L	0.0050	91	70	130	1.5	20	
Lead		0.250	mg/L	0.0010	100	70	130	1.4	20	
Silver		0.0979	mg/L	0.0010	98	70	130	1.4	20	
Zinc		0.233	mg/L	0.010	90	70	130	7.1	20	
Method: E200.8										Analytical Run: ICPMS208-B_251020A
Lab ID: QCS	3	Initial Calibration Verification Standard								10/20/25 12:13
Chromium		0.0395	mg/L	0.010	99	90	110			
Copper		0.0386	mg/L	0.010	97	90	110			
Zinc		0.0390	mg/L	0.0050	97	90	110			
Lab ID: CCV	3	Continuing Calibration Verification Standard								10/20/25 16:41
Chromium		0.0468	mg/L	0.010	94	90	110			
Copper		0.0451	mg/L	0.010	90	90	110			
Zinc		0.0469	mg/L	0.0050	94	90	110			
Method: E200.8										Batch: 204173
Lab ID: MB-204173	3	Method Blank				Run: ICPMS208-B_251020A				10/20/25 15:11
Chromium		ND	mg/L	0.0005						
Copper		ND	mg/L	0.00009						
Zinc		0.001	mg/L	0.001						

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)



QA/QC Summary Report

Prepared by Billings, MT Branch

Work Order: B25101282

Report Date: 10/27/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8						Analytical Run: ICPMS209-B_251016A				
Lab ID: QCS	5	Initial Calibration Verification Standard							10/17/25 03:02	
Arsenic		0.0387	mg/L	0.0050	97	90	110			
Chromium		0.0391	mg/L	0.010	98	90	110			
Iron		0.204	mg/L	0.020	102	90	110			
Manganese		0.195	mg/L	0.0050	98	90	110			
Molybdenum		0.0394	mg/L	0.0050	99	90	110			
Lab ID: CCV	5	Continuing Calibration Verification Standard							10/17/25 07:02	
Arsenic		0.0474	mg/L	0.0050	95	90	110			
Chromium		0.0479	mg/L	0.010	96	90	110			
Iron		1.27	mg/L	0.020	98	90	110			
Manganese		0.0480	mg/L	0.0050	96	90	110			
Molybdenum		0.0489	mg/L	0.0050	98	90	110			
Method: E200.8						Batch: R452180				
Lab ID: LRB	5	Method Blank				Run: ICPMS209-B_251016A		10/16/25 13:17		
Arsenic		ND	mg/L	0.00002						
Chromium		ND	mg/L	0.00008						
Iron		ND	mg/L	0.001						
Manganese		ND	mg/L	0.00007						
Molybdenum		ND	mg/L	0.0002						
Lab ID: LFB	5	Laboratory Fortified Blank				Run: ICPMS209-B_251016A		10/16/25 13:33		
Arsenic		0.0491	mg/L	0.0050	98	85	115			
Chromium		0.0493	mg/L	0.010	99	85	115			
Iron		5.20	mg/L	0.020	104	85	115			
Manganese		0.0492	mg/L	0.0050	98	85	115			
Molybdenum		0.0485	mg/L	0.0050	97	85	115			
Lab ID: B25101247-001CMS	5	Sample Matrix Spike				Run: ICPMS209-B_251016A		10/17/25 06:51		
Arsenic		0.0537	mg/L	0.0010	92	70	130			
Chromium		0.0454	mg/L	0.0050	90	70	130			
Iron		5.02	mg/L	0.020	99	70	130			
Manganese		0.321	mg/L	0.0010		70	130			A
Molybdenum		0.0805	mg/L	0.0010	92	70	130			
Lab ID: B25101247-001CMSD	5	Sample Matrix Spike Duplicate				Run: ICPMS209-B_251016A		10/17/25 06:56		
Arsenic		0.0526	mg/L	0.0010	90	70	130	2.2	20	
Chromium		0.0449	mg/L	0.0050	89	70	130	1.2	20	
Iron		4.83	mg/L	0.020	95	70	130	3.7	20	
Manganese		0.318	mg/L	0.0010		70	130	0.9	20	A
Molybdenum		0.0845	mg/L	0.0010	100	70	130	4.9	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: B25101282

Report Date: 10/27/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8								Analytical Run: ICPMS209-B_251020A		
Lab ID: QCS	2	Initial Calibration Verification Standard							10/20/25 12:09	
Molybdenum		0.0405	mg/L	0.0050	101	90	110			
Thallium		0.0402	mg/L	0.0050	101	90	110			
Lab ID: CCV	2	Continuing Calibration Verification Standard							10/21/25 15:43	
Molybdenum		0.0506	mg/L	0.0050	101	90	110			
Thallium		0.0460	mg/L	0.0050	92	90	110			
Method: E200.8										
Lab ID: MB-204173	2	Method Blank				Run: ICPMS209-B_251020A			Batch: 204173	
Molybdenum		ND	mg/L	0.0001						
Zinc		ND	mg/L	0.001						

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)



QA/QC Summary Report

Prepared by Billings, MT Branch

Work Order: B25101282

Report Date: 10/27/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E245.1 Analytical Run: HGCV205-B_251021A										
Lab ID: ICV-204264		Initial Calibration Verification Standard 10/21/25 11:05								
Mercury		0.00186	mg/L	0.00010	93	90	110			
Lab ID: CCV1		Continuing Calibration Verification Standard 10/21/25 11:06								
Mercury		0.00244	mg/L	0.00010	98	95	105			
Lab ID: CCV		Continuing Calibration Verification Standard 10/21/25 12:05								
Mercury		0.00243	mg/L	0.00010	97	90	110			
Method: E245.1 Batch: 204266										
Lab ID: MB-204266		Method Blank Run: HGCV205-B_251021A 10/21/25 11:44								
Mercury		ND	mg/L	0.00005						
Lab ID: LCS-204266		Laboratory Control Sample Run: HGCV205-B_251021A 10/21/25 11:46								
Mercury		0.00182	mg/L	0.00010	91	85	115			
Lab ID: B25101282-001EMS		Sample Matrix Spike Run: HGCV205-B_251021A 10/21/25 12:20								
Mercury		0.00180	mg/L	0.00010	90	70	130			
Lab ID: B25101282-001EMSD		Sample Matrix Spike Duplicate Run: HGCV205-B_251021A 10/21/25 12:22								
Mercury		0.00181	mg/L	0.00010	90	70	130	0.6	30	

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)

QA/QC Summary Report

Prepared by Billings, MT Branch

Work Order: B25101282

Report Date: 10/29/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E365.1 Analytical Run: FIA204-B_251028A										
Lab ID: ICV	Initial Calibration Verification Standard 10/28/25 10:50									
Phosphorus, Orthophosphate as P		0.232	mg/L	0.0050	93	90	110			
Method: E365.1 Batch: 204514										
Lab ID: LFB-204514	Laboratory Fortified Blank Run: FIA204-B_251028A 10/28/25 10:56									
Phosphorus, Orthophosphate as P		0.231	mg/L	0.0050	92	90	110			
Lab ID: MB-204514	Method Blank Run: FIA204-B_251028A 10/28/25 10:57									
Phosphorus, Orthophosphate as P		ND	mg/L	0.002						
Lab ID: B25101282-001AMS	Sample Matrix Spike Run: FIA204-B_251028A 10/28/25 10:59									
Phosphorus, Orthophosphate as P		0.251	mg/L	0.0020	95	90	110			
Lab ID: B25101282-001AMSD	Sample Matrix Spike Duplicate Run: FIA204-B_251028A 10/28/25 11:00									
Phosphorus, Orthophosphate as P		0.259	mg/L	0.0020	98	90	110	3.2	10	
Method: E365.1 Analytical Run: SEAL201-B_251017A										
Lab ID: ICV-204159	Initial Calibration Verification Standard 10/17/25 14:55									
Phosphorus, Total as P		0.491	mg/L	0.0050	98	90	110			
Lab ID: CCV-204159	Continuing Calibration Verification Standard 10/17/25 17:03									
Phosphorus, Total as P		0.514	mg/L	0.0050	103	90	110			
Method: E365.1 Batch: 204219										
Lab ID: MB-204219	Method Blank Run: SEAL201-B_251017A 10/17/25 16:43									
Phosphorus, Total as P		ND	mg/L	0.002						
Lab ID: LCS-204219	Laboratory Control Sample Run: SEAL201-B_251017A 10/17/25 16:44									
Phosphorus, Total as P		0.198	mg/L	0.0050	99	90	110			
Lab ID: B25101390-002FMS	Sample Matrix Spike Run: SEAL201-B_251017A 10/17/25 17:20									
Phosphorus, Total as P		0.214	mg/L	0.0020	102	90	110			
Lab ID: B25101390-002FMSD	Sample Matrix Spike Duplicate Run: SEAL201-B_251017A 10/17/25 17:21									
Phosphorus, Total as P		0.215	mg/L	0.0020	102	90	110	0.5	10	

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)



Work Order Receipt Checklist

Linkan Engineering

B25101282

Login completed by: Elizabeth A. Holton

Date Received: 10/15/2025

Reviewed by: mstephens

Received by: SRG

Reviewed Date: 10/21/2025

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:	1.0°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:

The sample for orthophosphate analysis was subsampled and filtered in the laboratory. According to 40CFR136, samples for orthophosphate should be filtered within 15 minutes of collection.



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Gillette, WY 307.686.7175 • Helena, MT 406.442.0711

Work Order Receipt Checklist - Continued

Linkan Engineering

B25101282

The sample for total Radium 226 and Radium 228 analysis was received broken. A voicemail was left for Alex Schwiebert on 10/15/25. EAH 10//15/25

Laboratory Certifications and Accreditations

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

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



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Chain of Custody & Analytical Request Record

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Page 1 of 1

Account Information (Billing Information)

Company/Name Linkan	
Contact	Chris Prosper
Phone	775-777-8003
Mailing Address	2720 Ruby Vista Dr
City, State, Zip	Elko, NV 89801
Email	AP@linkan.com
Receive Invoice	☐ Hard Copy ☒ Email
Purchase Order	Quote H17287
25-0152	Bottle Order 195246

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

Quarterly Sampling - Mine Pool

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	Byrdt Acuña
Sampler Phone	7/238/6664
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) 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 Phosphorus	Anions (E300.0)	Total Suspended Solids	Metals, Dissolved	Metals Total	Nitrogen, Nitrate + Nitrite	Cyanide, WAD	Gross Alpha, Gross Beta, Total	Radium 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		Matrix (See Codes Above)
	Date	Time	
1 Mine Pool	10-14	0825	W
2			
3			
4			
5			
6			
7			
8			
9			

ELI LAB ID Laboratory Use Only	325101382
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ELI is REQUIRED to provide preservative traceability. If the preservatives supplied with the bottle order were NOT used, please attach your preservative information with this COC.

Custody Record MUST be signed	Relinquished by (print)	Signature	Date/Time	Signature
	Relinquished by (print)	Signature	Date/Time	Signature
Shipped By	Cooler ID(s)	Custody Seals	Intact	Receipt Temp
		Y N C B	Y N	°C
LABORATORY USE ONLY		Received by Laboratory (print)	Received by (print)	Date/Time
		Signature	Signature	Signature
		Amount	Payment Type	Receipt Number (cash/check only)
		\$	Cash Check	

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



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BOTTLE ORDER 195245



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 2B

Order Created by: Yvonna E. Smith

Shipped From: Billings, MT

Ship Date: 6/3/2025

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 2B Quarterly (2 Sets)

120 mL Plastic 5250 mL plastic	1	E365.1	Low Level Phosphorus, Orthophosphate as P	48.00 hrs		Filter Sample	1
1 Liter Plastic	1	A2320 B A4500-O G E300.0 A2540 C	Alkalinity to pH 4.5 Oxygen, Dissolved Anions by Ion Chromatography Solids, Total Dissolved	0.25 hrs			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 E245.1 E245.1	Metals by ICP/ICPMS, Dissolved Mercury, Dissolved Mercury Digestion by E245.1		HNO3	Filter before preservation	1
250 mL Plastic	1	E200.7_8 E245.1 E200.2 E245.1	Metals by ICP/ICPMS, Total Mercury, Total Metals Digestion by E200.2 Mercury Digestion by E245.1		HNO3		1

BO#: 195245

1 of 2

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	E903.0	Radium 226, Dissolved		HNO3	1
1 Gallon Plastic	1	A7500-RA E903.0 RA-05	Radium 226 + Radium 228 Radium 226, Total Radium 228, Total		HNO3	1

Comments

☒ HNO3 - Nitric Acid ☐ H2SO4 - Sulfuric Acid ☒ ZnAc - Zinc Acetate ☐ HCl - Hydrochloric Acid	☐ H2SO4 - Sulfuric Acid ☐ HCl - Hydrochloric Acid ☐ H3PO4 - Phosphoric Acid	☒ NaOH - Sodium Hydroxide ☐ 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.			

BO#: 195245

2 of 2