



B25070847_Schwartzwalder Mine

1 message

Stacie M. Helms <SHelms@energylab.com>

Tue, Jul 22, 2025 at 8:23 AM

To: "Adam.billin@linkan.com" <Adam.billin@linkan.com>, "Alex.schwiebert@linkan.com" <Alex.schwiebert@linkan.com>, "ap@linkan.com" <ap@linkan.com>, "chris.prosper@linkan.com" <chris.prosper@linkan.com>, "Peter.hays@state.co.us" <Peter.hays@state.co.us>

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Sincerely,

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Stacie Helms | Administrative Assistant | Billings, MT

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B25070847-PRELIMINARY REPORT-B25070847-1.PDF
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LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: Linkan Engineering
Project: Schwartzwalder Mine
Lab ID: B25070847-001
Client Sample ID: SW-AWD

Report Date: 07/22/25
Collection Date: 07/08/25 09:00
Date Received: 07/10/25
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
Solids, Total Suspended TSS @ 105 C	3	mg/L		2		A2540 D	07/11/25 09:52 / pjw
Solids, Total Dissolved TDS @ 180 C	205	mg/L		20		A2540 C	07/10/25 16:45 / etv
INORGANICS							
Sulfate	12	mg/L		1		E300.0	07/11/25 00:39 / caa
Fluoride	0.31	mg/L		0.01		E300.0	07/11/25 00:39 / caa
Cyanide, Weak Acid Dissociable	ND	mg/L		0.001		Kelada-01	07/11/25 12:51 / fap
NUTRIENTS							
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.01		E353.2	07/10/25 17:04 / rs4
Phosphorus, Orthophosphate as P	0.011	mg/L	H	0.002		E365.1	07/10/25 14:59 / taz
Phosphorus, Total as P	ND	mg/L		0.002		E365.1	07/21/25 11:13 / taz
- The Orthophosphate result is greater than the Total Phosphorus result. Both results have been confirmed by re-analysis.							
METALS, DISSOLVED							
Copper	0.0005	mg/L		0.0005		E200.8	07/11/25 14:07 / jks
Molybdenum	0.0005	mg/L		0.0001		E200.8	07/11/25 14:07 / jks
Silver	ND	mg/L	L	0.00004		E200.8	07/11/25 14:07 / jks
Uranium	0.00128	mg/L		0.00002		E200.8	07/11/25 14:07 / jks
Zinc	0.001	mg/L	JL	0.002		E200.8	07/11/25 14:07 / jks
- The Dissolved Uranium result is greater than the Total Uranium result. Both results have been confirmed by re-analysis.							
METALS, TOTAL RECOVERABLE							
Antimony	0.0007	mg/L		0.0001		E200.8	07/16/25 13:56 / jks
Chromium	ND	mg/L		0.0005		E200.8	07/15/25 14:11 / jks
Thallium	ND	mg/L	L	0.0002		E200.8	07/16/25 13:29 / jks
METALS, TOTAL							
Arsenic	0.0002	mg/L		0.0001		E200.8	07/16/25 13:29 / jks
Boron	0.02	mg/L		0.01		E200.7	07/15/25 14:40 / enb
Molybdenum	0.0006	mg/L		0.0005		E200.8	07/15/25 14:11 / jks
Uranium	0.00115	mg/L		0.00002		E200.8	07/16/25 13:56 / jks

**Report
Definitions:**

RL - Analyte Reporting Limit

QCL - Quality Control Limit

H - Analysis performed past the method holding time

L -Lowest available reporting limit for the analytical method
used and/or volume submitted

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: B25070847-002
Client Sample ID: SW-BPL

Report Date: 07/22/25
Collection Date: 07/08/25 09:15
Date Received: 07/10/25
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
Solids, Total Suspended TSS @ 105 C	0.6	mg/L	J	2		A2540 D	07/11/25 09:52 / pjw
Solids, Total Dissolved TDS @ 180 C	166	mg/L		20		A2540 C	07/10/25 16:45 / etv
INORGANICS							
Sulfate	19	mg/L		1		E300.0	07/11/25 00:55 / caa
Fluoride	0.15	mg/L		0.01		E300.0	07/11/25 00:55 / caa
Cyanide, Weak Acid Dissociable	ND	mg/L		0.001		Kelada-01	07/11/25 13:03 / fap
NUTRIENTS							
Nitrogen, Nitrate+Nitrite as N	0.02	mg/L		0.01		E353.2	07/10/25 17:05 / rs4
Phosphorus, Orthophosphate as P	0.004	mg/L	H	0.002		E365.1	07/10/25 15:00 / taz
Phosphorus, Total as P	0.003	mg/L		0.002		E365.1	07/15/25 15:26 / taz
METALS, DISSOLVED							
Copper	0.0003	mg/L	JL	0.0005		E200.8	07/11/25 17:01 / jks
Molybdenum	0.0032	mg/L		0.0001		E200.8	07/11/25 14:25 / jks
Silver	ND	mg/L	L	0.00004		E200.8	07/11/25 17:01 / jks
Uranium	0.0512	mg/L		0.00002		E200.8	07/11/25 17:01 / jks
Zinc	0.002	mg/L	JL	0.002		E200.8	07/11/25 17:01 / jks
METALS, TOTAL RECOVERABLE							
Antimony	0.0003	mg/L		0.0001		E200.8	07/16/25 14:01 / jks
Chromium	0.0019	mg/L		0.0005		E200.8	07/15/25 14:41 / jks
Thallium	ND	mg/L	L	0.0002		E200.8	07/16/25 13:34 / jks
METALS, TOTAL							
Arsenic	0.0035	mg/L		0.0001		E200.8	07/16/25 13:34 / jks
Boron	0.10	mg/L		0.01		E200.7	07/15/25 14:48 / enb
Molybdenum	0.0037	mg/L		0.0005		E200.8	07/15/25 14:41 / jks
Uranium	0.0545	mg/L		0.00002		E200.8	07/16/25 13:34 / jks

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