Permit Application

Environmental Impact Assessment

White Pine North Project

Volume IIC

Appendix C-1 (3 of 6)

White Pine Copper LLC

White Pine, Michigan

September 2026

Project I.D.: 23W200

Solving our clients' toughest science and engineering challenges.

C-1

Groundwater and Surface Water Hydrology Baseline Report

(3 of 6)

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ANALYTICAL REPORT

PREPARED FOR

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White Pine Copper LLC
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JOB DESCRIPTION

White Pines, MI

JOB NUMBER

500-261306-1

Eurofins Chicago
2417 Bond Street
University Park IL 60484

See page two for job notes and contact information.

myEOL

Eurofins Chicago

Job Notes

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. This report is confidential and is intended for the sole use of Eurofins Environment Testing North Central, LLC and its client. All questions regarding this report should be directed to the Eurofins Environment Testing North Central, LLC Project Manager who has signed this report.

Results relate only to the items tested and the sample(s) as received by the laboratory. The results, detection limits (LOD) and Quantitation Limits (LOQ) have been adjusted for sample dilutions and/or solids content.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Chicago Project Manager.

Compliance Statement

The LOD and LOQ reported are adjusted by the dilution factor when a dilution factor greater than 1 is needed. Additionally, where results are indicated as being reported on a dry weight basis, the LOD and LOQ are adjusted for moisture content as well.

Definitions of Limits
- LOD = Limit of Detection = MDL as defined by 40 CFR part 136 Appendix B
- LOQ = Limit of Quantitation = 3.33 x LOD as defined by Wisconsin
- RL = Report Limit = a concentration supported by a standard in the calibration curves

Authorization



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Table of Contents

Cover Page 1
Table of Contents 3
Case Narrative 4
Detection Summary 5
Method Summary 14
Sample Summary 15
Client Sample Results 16
Definitions 43
QC Association 45
QC Sample Results 55
Chronicle 77
Certification Summary 84
Chain of Custody 85
Receipt Checklists 93

Job ID: 500-261306-1 — Eurofins Chicago

Job Narrative
500-261306-1

Receipt
The samples were received on 12/11/2024 9:25 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 5 coolers at receipt time were 3.5º C, 3.8º C, 4.0º C, 4.2º C and 5.0º C.

Metals
Methods 200.8, 6020B: The following sample was diluted to bring the concentration of target analytes within the calibration range: SMW-1SB_20241209 (500-261306-7). Elevated reporting limits (RLs) are provided.

Method 1638: The continuing calibration blank (CCB) for analytical batch 350-4338 contained Uranium above the reporting limit (RL). All reported samples associated with this CCB were either ND for this analyte or contained this analyte at a concentration greater than 10X the value found in the CCB; therefore, re-analysis of samples was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Field Service / Mobile Lab
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

General Chemistry
Method 300.0: Reanalysis of the following samples was performed outside of the analytical holding time due to failure of quality control parameters in the initial analysis. Reanalysis had confirming results therefore in hold data has been qualified and reported. PNC-03_20241209 (500-261306-1), SMW-1SB_20241209 (500-261306-7), MW-5SB_20241209 (500-261306-9), SMW-1_20241209 (500-261306-11) and EB-01-GW_20241209 (500-261306-13)

Methods 300.0, 9056A: The following samples were received with insufficient time remaining to perform the analysis within holding time: MW-5A_20241209 (500-261306-3), MW-5A_20241209 (500-261306-3[MS]), MW-5A_20241209 (500-261306-3[MSD]) and MW-31_20241209 (500-261306-5).

Method SM 2320B: The method blank for analytical batch 500-799502-799707 contained Alkalinity above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-analysis of samples was not performed.

Method 350.1: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 500-800886 and analytical batch 500-800975 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261306-1

Client Sample ID: PNC-03_20241209 — Lab Sample ID: 500-261306-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	1.2		0.50	0.20	ng/L	1		1631E	Total/NA
Mercury	0.82		0.50	0.20	ng/L	1		1631E	Dissolved
Uranium	0.33		0.050	0.0098	ug/L	1		1638	Total Recoverable
Uranium	0.32		0.050	0.0098	ug/L	1		1638	Dissolved
Aluminum	81	J	100	25	ug/L	1		6020B	Total Recoverable
Arsenic	0.36	J	1.0	0.23	ug/L	1		6020B	Total Recoverable
Barium	63		2.5	0.73	ug/L	1		6020B	Total Recoverable
Boron	25	J B	50	13	ug/L	1		6020B	Total Recoverable
Calcium	33000		200	44	ug/L	1		6020B	Total Recoverable
Copper	8.4		2.0	0.50	ug/L	1		6020B	Total Recoverable
Iron	600		100	47	ug/L	1		6020B	Total Recoverable
Magnesium	7400		200	49	ug/L	1		6020B	Total Recoverable
Manganese	130		2.5	0.79	ug/L	1		6020B	Total Recoverable
Potassium	1400		500	110	ug/L	1		6020B	Total Recoverable
Sodium	7000		200	77	ug/L	1		6020B	Total Recoverable
Strontium	170		4.0	0.64	ug/L	1		6020B	Total Recoverable
Arsenic	0.27	J	1.0	0.23	ug/L	1		6020B	Dissolved
Barium	56		2.5	0.73	ug/L	1		6020B	Dissolved
Boron	26	J B	50	13	ug/L	1		6020B	Dissolved
Calcium	33000		200	44	ug/L	1		6020B	Dissolved
Copper	6.9		2.0	0.50	ug/L	1		6020B	Dissolved
Iron	320		100	47	ug/L	1		6020B	Dissolved
Magnesium	8300		200	49	ug/L	1		6020B	Dissolved
Manganese	84		2.5	0.79	ug/L	1		6020B	Dissolved
Potassium	1400		500	110	ug/L	1		6020B	Dissolved
Sodium	7900		200	77	ug/L	1		6020B	Dissolved
Strontium	160		4.0	0.64	ug/L	1		6020B	Dissolved
Hardness as calcium carbonate	110		0.91	0.46	mg/L	1		SM 2340B	Total Recoverable
Chloride	27		1.0	0.42	mg/L	1		300.0	Total/NA
Sulfate	0.79	J	1.0	0.47	mg/L	1		300.0	Total/NA
Alkalinity	88	B	5.0	3.7	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	88	B	5.0	3.7	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	230		10	4.3	mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	3.0	J	5.0	1.9	mg/L	1		SM 2540D	Total/NA
Total Organic Carbon	9.4		1.0	0.47	mg/L	1		SM 5310C	Total/NA
Dissolved Organic Carbon	8.8		1.0	0.47	mg/L	1		SM 5310C	Dissolved

Client Sample ID: PNC-03_20241209_FBLL — Lab Sample ID: 500-261306-2

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Chicago

Detection Summary

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261306-1

Client Sample ID: MW-5A_20241209

Lab Sample ID: 500-261306-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl Mercury	0.028	J	0.050	0.022	ng/L	1		1630	Total/NA
Methyl Mercury	0.022	J	0.050	0.022	ng/L	1		1630	Dissolved
Mercury	0.44	J	0.50	0.20	ng/L	1		1631E	Total/NA
Mercury	0.65		0.50	0.20	ng/L	1		1631E	Dissolved
Uranium	8.8	B	0.050	0.0098	ug/L	1		1638	Total Recoverable
Uranium	7.9	B	0.050	0.0098	ug/L	1		1638	Dissolved
Arsenic	0.39	J	1.0	0.23	ug/L	1		6020B	Total Recoverable
Barium	560	F1	2.5	0.73	ug/L	1		6020B	Total Recoverable
Boron	190	B	50	13	ug/L	1		6020B	Total Recoverable
Calcium	170000		200	44	ug/L	1		6020B	Total Recoverable
Copper	1.4	J	2.0	0.50	ug/L	1		6020B	Total Recoverable
Iron	120		100	47	ug/L	1		6020B	Total Recoverable
Lithium	53	F1	10	2.5	ug/L	1		6020B	Total Recoverable
Magnesium	14000	F1	200	49	ug/L	1		6020B	Total Recoverable
Manganese	950	F1	2.5	0.79	ug/L	1		6020B	Total Recoverable
Nickel	1.4	J	2.0	0.63	ug/L	1		6020B	Total Recoverable
Potassium	500		500	110	ug/L	1		6020B	Total Recoverable
Sodium	97000		200	77	ug/L	1		6020B	Total Recoverable
Strontium	2900	F1	4.0	0.64	ug/L	1		6020B	Total Recoverable
Arsenic	0.37	J	1.0	0.23	ug/L	1		6020B	Dissolved
Barium	520		2.5	0.73	ug/L	1		6020B	Dissolved
Boron	190	B	50	13	ug/L	1		6020B	Dissolved
Calcium	170000		200	44	ug/L	1		6020B	Dissolved
Copper	0.76	J	2.0	0.50	ug/L	1		6020B	Dissolved
Iron	100		100	47	ug/L	1		6020B	Dissolved
Lithium	50		10	2.5	ug/L	1		6020B	Dissolved
Magnesium	17000		200	49	ug/L	1		6020B	Dissolved
Manganese	960		2.5	0.79	ug/L	1		6020B	Dissolved
Nickel	0.76	J	2.0	0.63	ug/L	1		6020B	Dissolved
Potassium	460	J	500	110	ug/L	1		6020B	Dissolved
Sodium	87000		200	77	ug/L	1		6020B	Dissolved
Strontium	2800		4.0	0.64	ug/L	1		6020B	Dissolved
Hardness as calcium carbonate	480		0.91	0.46	mg/L	1		SM 2340B	Total Recoverable
Bromide	2.2		1.0	0.45	mg/L	1		300.0	Total/NA
Nitrate as N	0.47	J H F1 ^-	1.0	0.37	mg/L	1		300.0	Total/NA
Chloride	230		1.0	0.42	mg/L	1		300.0	Total/NA
Nitrate Nitrite as N	0.47	J H	1.0	0.37	mg/L	1		300.0	Total/NA
Sulfate	1.8		1.0	0.47	mg/L	1		300.0	Total/NA
Alkalinity	330	B	5.0	3.7	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	330	B	5.0	3.7	mg/L	1		SM 2320B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-5A_20241209 (Continued) — Lab Sample ID: 500-261306-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Salinity	0.55		0.33	0.33	psu	1		SM 2520B	Total/NA
Total Dissolved Solids	1000		10	4.3	mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	2.4	J	5.0	1.9	mg/L	1		SM 2540D	Total/NA
Total Organic Carbon	3.2		1.0	0.47	mg/L	1		SM 5310C	Total/NA
Dissolved Organic Carbon	3.3		1.0	0.47	mg/L	1		SM 5310C	Dissolved

Client Sample ID: MW-5A_20241209_FBLL — Lab Sample ID: 500-261306-4

No Detections.

Client Sample ID: MW-31_20241209 — Lab Sample ID: 500-261306-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl Mercury	0.084		0.050	0.022	ng/L	1		1630	Total/NA
Methyl Mercury	0.051		0.050	0.022	ng/L	1		1630	Dissolved
Mercury	8.2		0.50	0.20	ng/L	1		1631E	Total/NA
Mercury	0.72		0.50	0.20	ng/L	1		1631E	Dissolved
Uranium	2.0		0.050	0.0098	ug/L	1		1638	Total Recoverable
Uranium	1.1		0.050	0.0098	ug/L	1		1638	Dissolved
Aluminum	6700		100	25	ug/L	1		6020B	Total Recoverable
Arsenic	8.7		1.0	0.23	ug/L	1		6020B	Total Recoverable
Barium	370		2.5	0.73	ug/L	1		6020B	Total Recoverable
Beryllium	0.67	J	1.0	0.53	ug/L	1		6020B	Total Recoverable
Boron	770	B	50	13	ug/L	1		6020B	Total Recoverable
Cadmium	0.21	J	0.50	0.17	ug/L	1		6020B	Total Recoverable
Calcium	55000		200	44	ug/L	1		6020B	Total Recoverable
Chromium	9.0		5.0	1.1	ug/L	1		6020B	Total Recoverable
Cobalt	7.3		1.0	0.40	ug/L	1		6020B	Total Recoverable
Copper	36		2.0	0.50	ug/L	1		6020B	Total Recoverable
Iron	5800		100	47	ug/L	1		6020B	Total Recoverable
Lead	4.4		0.50	0.19	ug/L	1		6020B	Total Recoverable
Lithium	45		10	2.5	ug/L	1		6020B	Total Recoverable
Magnesium	10000		200	49	ug/L	1		6020B	Total Recoverable
Manganese	650		2.5	0.79	ug/L	1		6020B	Total Recoverable
Molybdenum	4.9	J	5.0	2.5	ug/L	1		6020B	Total Recoverable
Nickel	30		2.0	0.63	ug/L	1		6020B	Total Recoverable
Potassium	4900		500	110	ug/L	1		6020B	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-31_20241209 (Continued) — Lab Sample ID: 500-261306-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sodium	51000		200	77	ug/L	1		6020B	Total Recoverable
Strontium	500		4.0	0.64	ug/L	1		6020B	Total Recoverable
Vanadium	14		5.0	2.2	ug/L	1		6020B	Total Recoverable
Zinc	24		20	6.9	ug/L	1		6020B	Total Recoverable
Aluminum	34	J	100	25	ug/L	1		6020B	Dissolved
Arsenic	2.9		1.0	0.23	ug/L	1		6020B	Dissolved
Barium	130		2.5	0.73	ug/L	1		6020B	Dissolved
Boron	860	B	50	13	ug/L	1		6020B	Dissolved
Calcium	21000		200	44	ug/L	1		6020B	Dissolved
Cobalt	0.62	J	1.0	0.40	ug/L	1		6020B	Dissolved
Iron	48	J	100	47	ug/L	1		6020B	Dissolved
Lithium	42		10	2.5	ug/L	1		6020B	Dissolved
Magnesium	4300		200	49	ug/L	1		6020B	Dissolved
Manganese	220		2.5	0.79	ug/L	1		6020B	Dissolved
Molybdenum	9.2		5.0	2.5	ug/L	1		6020B	Dissolved
Nickel	6.1		2.0	0.63	ug/L	1		6020B	Dissolved
Potassium	3300		500	110	ug/L	1		6020B	Dissolved
Sodium	57000		200	77	ug/L	1		6020B	Dissolved
Strontium	350		4.0	0.64	ug/L	1		6020B	Dissolved
Tin	2.3	J B	5.0	1.3	ug/L	1		6020B	Dissolved
Hardness as calcium carbonate	180		0.91	0.46	mg/L	1		SM 2340B	Total Recoverable
Chloride	17		1.0	0.42	mg/L	1		300.0	Total/NA
Fluoride	0.65	J	1.0	0.43	mg/L	1		300.0	Total/NA
Sulfate	22		1.0	0.47	mg/L	1		300.0	Total/NA
Phosphorus as P	0.79		0.25	0.12	mg/L	1		365.1	Total/NA
Alkalinity	140	B	5.0	3.7	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	140	B	5.0	3.7	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	380		10	4.3	mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	340		63	24	mg/L	1		SM 2540D	Total/NA
Sulfide	0.89	J	1.0	0.23	mg/L	1		SM 4500 S2 F	Total/NA
Total Organic Carbon	2.7		1.0	0.47	mg/L	1		SM 5310C	Total/NA
Dissolved Organic Carbon	2.7		1.0	0.47	mg/L	1		SM 5310C	Dissolved

Client Sample ID: MW-31_20241209_FBLL — Lab Sample ID: 500-261306-6

No Detections.

Client Sample ID: SMW-1SB_20241209 — Lab Sample ID: 500-261306-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl Mercury	0.023	J	0.050	0.022	ng/L	1		1630	Total/NA
Mercury	2.0		0.50	0.20	ng/L	1		1631E	Total/NA
Mercury	0.88		0.50	0.20	ng/L	1		1631E	Dissolved
Uranium	1.3		0.050	0.0098	ug/L	1		1638	Total Recoverable
Uranium	1.0		0.050	0.0098	ug/L	1		1638	Dissolved
Aluminum	1600		100	25	ug/L	1		6020B	Total Recoverable

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261306-1

Client Sample ID: SMW-1SB_20241209 (Continued)

Lab Sample ID: 500-261306-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	3.4		1.0	0.23	ug/L	1		6020B	Total Recoverable
Barium	18		2.5	0.73	ug/L	1		6020B	Total Recoverable
Boron	7300	B	250	64	ug/L	5		6020B	Total Recoverable
Calcium	3500		200	44	ug/L	1		6020B	Total Recoverable
Chromium	2.9	J	5.0	1.1	ug/L	1		6020B	Total Recoverable
Cobalt	1.1		1.0	0.40	ug/L	1		6020B	Total Recoverable
Copper	11		2.0	0.50	ug/L	1		6020B	Total Recoverable
Iron	1600		100	47	ug/L	1		6020B	Total Recoverable
Lead	0.71		0.50	0.19	ug/L	1		6020B	Total Recoverable
Lithium	18		10	2.5	ug/L	1		6020B	Total Recoverable
Magnesium	1100		200	49	ug/L	1		6020B	Total Recoverable
Manganese	56		2.5	0.79	ug/L	1		6020B	Total Recoverable
Molybdenum	7.9		5.0	2.5	ug/L	1		6020B	Total Recoverable
Nickel	2.7		2.0	0.63	ug/L	1		6020B	Total Recoverable
Potassium	1800		500	110	ug/L	1		6020B	Total Recoverable
Sodium	100000		200	77	ug/L	1		6020B	Total Recoverable
Strontium	21		4.0	0.64	ug/L	1		6020B	Total Recoverable
Tin	3.2	J B	5.0	1.3	ug/L	1		6020B	Total Recoverable
Vanadium	11		5.0	2.2	ug/L	1		6020B	Total Recoverable
Zinc	7.1	J	20	6.9	ug/L	1		6020B	Total Recoverable
Aluminum	31	J	100	25	ug/L	1		6020B	Dissolved
Arsenic	3.0		1.0	0.23	ug/L	1		6020B	Dissolved
Barium	7.5		2.5	0.73	ug/L	1		6020B	Dissolved
Boron	7300	B	250	64	ug/L	5		6020B	Dissolved
Calcium	2700		200	44	ug/L	1		6020B	Dissolved
Copper	3.3		2.0	0.50	ug/L	1		6020B	Dissolved
Lithium	17		10	2.5	ug/L	1		6020B	Dissolved
Magnesium	430		200	49	ug/L	1		6020B	Dissolved
Manganese	5.0		2.5	0.79	ug/L	1		6020B	Dissolved
Molybdenum	7.5		5.0	2.5	ug/L	1		6020B	Dissolved
Nickel	0.73	J	2.0	0.63	ug/L	1		6020B	Dissolved
Potassium	1500		500	110	ug/L	1		6020B	Dissolved
Sodium	100000		200	77	ug/L	1		6020B	Dissolved
Strontium	19		4.0	0.64	ug/L	1		6020B	Dissolved
Vanadium	6.6		5.0	2.2	ug/L	1		6020B	Dissolved

This Detection Summary does not include radiochemical test results.

Client Sample ID: SMW-1SB_20241209 (Continued) — Lab Sample ID: 500-261306-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Hardness as calcium carbonate	13		0.91	0.46	mg/L	1		SM 2340B	Total Recoverable
Chloride	22		1.0	0.42	mg/L	1		300.0	Total/NA
Fluoride	5.6		1.0	0.43	mg/L	1		300.0	Total/NA
Sulfate	15		1.0	0.47	mg/L	1		300.0	Total/NA
Phosphorus as P	0.22		0.050	0.024	mg/L	1		365.1	Total/NA
Alkalinity	160	B	5.0	3.7	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	140	B	5.0	3.7	mg/L	1		SM 2320B	Total/NA
Carbonate Alkalinity as CaCO3	18		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	320		10	4.3	mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	32		5.0	1.9	mg/L	1		SM 2540D	Total/NA
Total Organic Carbon	2.2		1.0	0.47	mg/L	1		SM 5310C	Total/NA
Dissolved Organic Carbon	2.1		1.0	0.47	mg/L	1		SM 5310C	Dissolved

Client Sample ID: SMW-1SB_20241209_FBLL — Lab Sample ID: 500-261306-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	0.25	J	0.50	0.20	ng/L	1		1631E	Total/NA

Client Sample ID: MW-5SB_20241209 — Lab Sample ID: 500-261306-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl Mercury	0.039	J	0.050	0.022	ng/L	1		1630	Total/NA
Methyl Mercury	0.029	J	0.050	0.022	ng/L	1		1630	Dissolved
Mercury	2.4		0.50	0.20	ng/L	1		1631E	Total/NA
Mercury	0.59		0.50	0.20	ng/L	1		1631E	Dissolved
Uranium	0.94		0.050	0.0098	ug/L	1		1638	Total Recoverable
Uranium	0.77		0.050	0.0098	ug/L	1		1638	Dissolved
Aluminum	5200		100	25	ug/L	1		6020B	Total Recoverable
Arsenic	0.67	J	1.0	0.23	ug/L	1		6020B	Total Recoverable
Barium	87		2.5	0.73	ug/L	1		6020B	Total Recoverable
Boron	370	B	50	13	ug/L	1		6020B	Total Recoverable
Calcium	19000		200	44	ug/L	1		6020B	Total Recoverable
Chromium	8.6		5.0	1.1	ug/L	1		6020B	Total Recoverable
Cobalt	2.3		1.0	0.40	ug/L	1		6020B	Total Recoverable
Copper	11		2.0	0.50	ug/L	1		6020B	Total Recoverable
Iron	4300		100	47	ug/L	1		6020B	Total Recoverable
Lead	1.5		0.50	0.19	ug/L	1		6020B	Total Recoverable
Lithium	70		10	2.5	ug/L	1		6020B	Total Recoverable
Magnesium	1800		200	49	ug/L	1		6020B	Total Recoverable
Manganese	110		2.5	0.79	ug/L	1		6020B	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-5SB_20241209 (Continued) — Lab Sample ID: 500-261306-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Molybdenum	91		5.0	2.5	ug/L	1		6020B	Total Recoverable
Nickel	5.2		2.0	0.63	ug/L	1		6020B	Total Recoverable
Potassium	1800		500	110	ug/L	1		6020B	Total Recoverable
Sodium	240000		200	77	ug/L	1		6020B	Total Recoverable
Strontium	370		4.0	0.64	ug/L	1		6020B	Total Recoverable
Vanadium	12		5.0	2.2	ug/L	1		6020B	Total Recoverable
Zinc	12	J	20	6.9	ug/L	1		6020B	Total Recoverable
Aluminum	190		100	25	ug/L	1		6020B	Dissolved
Arsenic	0.40	J	1.0	0.23	ug/L	1		6020B	Dissolved
Barium	41		2.5	0.73	ug/L	1		6020B	Dissolved
Boron	390	B	50	13	ug/L	1		6020B	Dissolved
Calcium	18000		200	44	ug/L	1		6020B	Dissolved
Copper	1.2	J	2.0	0.50	ug/L	1		6020B	Dissolved
Iron	120		100	47	ug/L	1		6020B	Dissolved
Lithium	67		10	2.5	ug/L	1		6020B	Dissolved
Magnesium	430		200	49	ug/L	1		6020B	Dissolved
Manganese	29		2.5	0.79	ug/L	1		6020B	Dissolved
Molybdenum	93		5.0	2.5	ug/L	1		6020B	Dissolved
Nickel	0.67	J	2.0	0.63	ug/L	1		6020B	Dissolved
Potassium	420	J	500	110	ug/L	1		6020B	Dissolved
Sodium	250000		200	77	ug/L	1		6020B	Dissolved
Strontium	350		4.0	0.64	ug/L	1		6020B	Dissolved
Vanadium	3.1	J	5.0	2.2	ug/L	1		6020B	Dissolved
Hardness as calcium carbonate	54		0.91	0.46	mg/L	1		SM 2340B	Total Recoverable
Bromide	3.3		1.0	0.45	mg/L	1		300.0	Total/NA
Chloride	320		20	8.4	mg/L	20		300.0	Total/NA
Fluoride	1.3		1.0	0.43	mg/L	1		300.0	Total/NA
Sulfate	33		1.0	0.47	mg/L	1		300.0	Total/NA
Alkalinity	51	B	5.0	3.7	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	51	B	5.0	3.7	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	720		10	4.3	mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	17		5.0	1.9	mg/L	1		SM 2540D	Total/NA
Total Organic Carbon	0.50	J	1.0	0.47	mg/L	1		SM 5310C	Total/NA

Client Sample ID: MW-5SB_20241209_FBLL — Lab Sample ID: 500-261306-10

No Detections.

Client Sample ID: SMW-1_20241209 — Lab Sample ID: 500-261306-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl Mercury	0.028	J	0.050	0.022	ng/L	1		1630	Total/NA
Mercury	0.68		0.50	0.20	ng/L	1		1631E	Total/NA
Mercury	0.44	J	0.50	0.20	ng/L	1		1631E	Dissolved
Uranium	4.5		0.050	0.0098	ug/L	1		1638	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client Sample ID: SMW-1_20241209 (Continued)

Lab Sample ID: 500-261306-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Uranium	4.3		0.050	0.0098	ug/L	1		1638	Dissolved
Aluminum	290		100	25	ug/L	1		6020B	Total Recoverable
Arsenic	1.4		1.0	0.23	ug/L	1		6020B	Total Recoverable
Barium	73		2.5	0.73	ug/L	1		6020B	Total Recoverable
Boron	1400	B	50	13	ug/L	1		6020B	Total Recoverable
Calcium	19000		200	44	ug/L	1		6020B	Total Recoverable
Copper	3.6		2.0	0.50	ug/L	1		6020B	Total Recoverable
Iron	360		100	47	ug/L	1		6020B	Total Recoverable
Lead	0.36	J	0.50	0.19	ug/L	1		6020B	Total Recoverable
Lithium	12		10	2.5	ug/L	1		6020B	Total Recoverable
Magnesium	8600		200	49	ug/L	1		6020B	Total Recoverable
Manganese	16		2.5	0.79	ug/L	1		6020B	Total Recoverable
Molybdenum	6.0		5.0	2.5	ug/L	1		6020B	Total Recoverable
Nickel	0.97	J	2.0	0.63	ug/L	1		6020B	Total Recoverable
Potassium	3400		500	110	ug/L	1		6020B	Total Recoverable
Sodium	61000		200	77	ug/L	1		6020B	Total Recoverable
Strontium	280		4.0	0.64	ug/L	1		6020B	Total Recoverable
Vanadium	2.2	J	5.0	2.2	ug/L	1		6020B	Total Recoverable
Arsenic	1.3		1.0	0.23	ug/L	1		6020B	Dissolved
Barium	68		2.5	0.73	ug/L	1		6020B	Dissolved
Boron	1500	B	50	13	ug/L	1		6020B	Dissolved
Calcium	18000		200	44	ug/L	1		6020B	Dissolved
Copper	0.59	J	2.0	0.50	ug/L	1		6020B	Dissolved
Lithium	12		10	2.5	ug/L	1		6020B	Dissolved
Magnesium	8300		200	49	ug/L	1		6020B	Dissolved
Manganese	4.8		2.5	0.79	ug/L	1		6020B	Dissolved
Molybdenum	6.2		5.0	2.5	ug/L	1		6020B	Dissolved
Potassium	3400		500	110	ug/L	1		6020B	Dissolved
Sodium	61000		200	77	ug/L	1		6020B	Dissolved
Strontium	280		4.0	0.64	ug/L	1		6020B	Dissolved
Hardness as calcium carbonate	82		0.91	0.46	mg/L	1		SM 2340B	Total Recoverable
Nitrate as N	0.50	J ^-	1.0	0.37	mg/L	1		300.0	Total/NA
Chloride	5.1		1.0	0.42	mg/L	1		300.0	Total/NA
Fluoride	0.85	J	1.0	0.43	mg/L	1		300.0	Total/NA
Nitrate Nitrite as N	0.50	J	1.0	0.37	mg/L	1		300.0	Total/NA
Sulfate	13		1.0	0.47	mg/L	1		300.0	Total/NA
Phosphorus as P	0.036	J	0.050	0.024	mg/L	1		365.1	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SMW-1_20241209 (Continued) — Lab Sample ID: 500-261306-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Alkalinity	180	B	5.0	3.7	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	180	B	5.0	3.7	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	280		10	4.3	mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	12		5.0	1.9	mg/L	1		SM 2540D	Total/NA
Total Organic Carbon	0.87	J	1.0	0.47	mg/L	1		SM 5310C	Total/NA
Dissolved Organic Carbon	0.92	J	1.0	0.47	mg/L	1		SM 5310C	Dissolved

Client Sample ID: SMW-1_20241209_FBLL — Lab Sample ID: 500-261306-12

No Detections.

Client Sample ID: EB-01-GW_20241209 — Lab Sample ID: 500-261306-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	0.35	J	0.50	0.20	ng/L	1		1631E	Total/NA
Boron	25	J B	50	13	ug/L	1		6020B	Total Recoverable
Sodium	92	J	200	77	ug/L	1		6020B	Total Recoverable
Nitrate as N	0.46	J ^-	1.0	0.37	mg/L	1		300.0	Total/NA
Nitrate Nitrite as N	0.46	J	1.0	0.37	mg/L	1		300.0	Total/NA
Total Dissolved Solids	10		10	4.3	mg/L	1		SM 2540C	Total/NA

Client Sample ID: EB-01-GW_20241209-FBLL — Lab Sample ID: 500-261306-14

No Detections.

This Detection Summary does not include radiochemical test results.

Method Summary

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261306-1

Method	Method Description	Protocol	Laboratory
1630	Methyl Mercury	EPA	EET SSM
1631E	Mercury, Low Level (CVAFS)	EPA	EET SSM
1638	Metals (ICP/MS)	EPA	EET SSM
6020B	Metals (ICP/MS)	SW846	EET CHI
SM 2340B	Total Hardness (as CaCO3) by calculation	SM	EET CHI
300.0	Anions, Ion Chromatography	EPA	EET CHI
335.4	Cyanide, Total	EPA	EET CHI
350.1	Nitrogen, Ammonia	EPA	EET CHI
365.1	Phosphorus, Total	EPA	EET CHI
SM 2320B	Alkalinity	SM	EET CHI
SM 2520B	Salinity	SM	EET CHI
SM 2540C	Solids, Total Dissolved (TDS)	SM	EET CHI
SM 2540D	Solids, Total Suspended (TSS)	SM	EET CHI
SM 4500 S2 F	Sulfide, Total	SM	EET CHI
SM 5310C	Organic Carbon, Dissolved (DOC)	SM	EET CHI
SM 5310C	TOC	SM	EET CHI
1630	Distillation, Methyl Mercury	EPA	EET SSM
1638	Preparation, Total Recoverable Metals	EPA	EET SSM
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET CHI
365.2/365.3/365	Phosphorus, Total	EPA	EET CHI
Distill/Ammonia	Distillation, Ammonia	None	EET CHI
Distill/CN	Distillation, Cyanide	None	EET CHI

Protocol References:

EPA = US Environmental Protection Agency

None = None

SM = "Standard Methods For The Examination Of Water And Wastewater"

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET CHI = Eurofins Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

EET SSM = Eurofins Seattle Specialty Metals, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

Sample Summary

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261306-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-261306-1	PNC-03_20241209	Water	12/09/24 16:00	12/11/24 09:25
500-261306-2	PNC-03_20241209_FBLL	Water	12/09/24 16:00	12/11/24 09:25
500-261306-3	MW-5A_20241209	Water	12/09/24 11:20	12/11/24 09:25
500-261306-4	MW-5A_20241209_FBLL	Water	12/09/24 11:20	12/11/24 09:25
500-261306-5	MW-31_20241209	Water	12/09/24 11:45	12/11/24 09:25
500-261306-6	MW-31_20241209_FBLL	Water	12/09/24 11:45	12/11/24 09:25
500-261306-7	SMW-1SB_20241209	Water	12/09/24 16:35	12/11/24 09:25
500-261306-8	SMW-1SB_20241209_FBLL	Water	12/09/24 16:35	12/11/24 09:25
500-261306-9	MW-5SB_20241209	Water	12/09/24 14:40	12/11/24 09:25
500-261306-10	MW-5SB_20241209_FBLL	Water	12/09/24 14:40	12/11/24 09:25
500-261306-11	SMW-1_20241209	Water	12/09/24 15:20	12/11/24 09:25
500-261306-12	SMW-1_20241209_FBLL	Water	12/09/24 15:20	12/11/24 09:25
500-261306-13	EB-01-GW_20241209	Water	12/09/24 19:00	12/11/24 09:25
500-261306-14	EB-01-GW_20241209-FBLL	Water	12/09/24 19:00	12/11/24 09:25

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261306-1

Client Sample ID: PNC-03_20241209

Date Collected: 12/09/24 16:00
Date Received: 12/11/24 09:25

Lab Sample ID: 500-261306-1

Matrix: Water

Method: EPA 1630 - Methyl Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		12/20/24 11:36	12/20/24 23:20	1

Method: EPA 1630 - Methyl Mercury - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		12/20/24 11:36	12/20/24 23:30	1

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**1.2**		0.50	0.20	ng/L			12/30/24 16:43	1

Method: EPA 1631E - Mercury, Low Level (CVAFS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.82**		0.50	0.20	ng/L			12/30/24 17:41	1

Method: EPA 1638 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.33**		0.050	0.0098	ug/L		01/06/25 13:37	01/07/25 15:24	1

Method: EPA 1638 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.32**		0.050	0.0098	ug/L		01/06/25 13:37	01/07/25 15:34	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**81**	**J**	100	25	ug/L		12/18/24 15:55	12/20/24 19:51	1
Antimony	<1.3		3.0	1.3	ug/L		12/18/24 15:55	12/20/24 19:51	1
Arsenic	**0.36**	**J**	1.0	0.23	ug/L		12/18/24 15:55	12/20/24 19:51	1
Barium	**63**		2.5	0.73	ug/L		12/18/24 15:55	12/20/24 19:51	1
Beryllium	<0.53		1.0	0.53	ug/L		12/18/24 15:55	12/20/24 19:51	1
Boron	**25**	**J B**	50	13	ug/L		12/18/24 15:55	12/20/24 19:51	1
Cadmium	<0.17		0.50	0.17	ug/L		12/18/24 15:55	12/20/24 19:51	1
Calcium	**33000**		200	44	ug/L		12/18/24 15:55	12/20/24 19:51	1
Chromium	<1.1		5.0	1.1	ug/L		12/18/24 15:55	12/20/24 19:51	1
Cobalt	<0.40		1.0	0.40	ug/L		12/18/24 15:55	12/20/24 19:51	1
Copper	**8.4**		2.0	0.50	ug/L		12/18/24 15:55	12/20/24 19:51	1
Iron	**600**		100	47	ug/L		12/18/24 15:55	12/20/24 19:51	1
Lead	<0.19		0.50	0.19	ug/L		12/18/24 15:55	12/20/24 19:51	1
Lithium	<2.5		10	2.5	ug/L		12/18/24 15:55	12/23/24 11:03	1
Magnesium	**7400**		200	49	ug/L		12/18/24 15:55	12/20/24 19:51	1
Manganese	**130**		2.5	0.79	ug/L		12/18/24 15:55	12/20/24 19:51	1
Molybdenum	<2.5		5.0	2.5	ug/L		12/18/24 15:55	12/20/24 19:51	1
Nickel	<0.63		2.0	0.63	ug/L		12/18/24 15:55	12/20/24 19:51	1
Potassium	**1400**		500	110	ug/L		12/18/24 15:55	12/20/24 19:51	1
Selenium	<0.98	^+	2.5	0.98	ug/L		12/18/24 15:55	12/20/24 19:51	1
Silver	<0.12		0.50	0.12	ug/L		12/18/24 15:55	12/20/24 19:51	1
Sodium	**7000**		200	77	ug/L		12/18/24 15:55	12/20/24 19:51	1
Strontium	**170**		4.0	0.64	ug/L		12/18/24 15:55	12/23/24 11:03	1
Thallium	<0.57		2.0	0.57	ug/L		12/18/24 15:55	12/20/24 19:51	1
Tin	<1.3		5.0	1.3	ug/L		12/18/24 15:55	12/20/24 19:51	1
Vanadium	<2.2		5.0	2.2	ug/L		12/18/24 15:55	12/20/24 19:51	1
Zinc	<6.9		20	6.9	ug/L		12/18/24 15:55	12/20/24 19:51	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261306-1

Client Sample ID: PNC-03_20241209

Date Collected: 12/09/24 16:00
Date Received: 12/11/24 09:25

Lab Sample ID: 500-261306-1

Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<25		100	25	ug/L		12/18/24 16:06	01/02/25 18:38	1
Antimony	<1.3		3.0	1.3	ug/L		12/18/24 16:06	01/02/25 18:38	1
Arsenic	**0.27**	**J**	1.0	0.23	ug/L		12/18/24 16:06	01/02/25 18:38	1
Barium	**56**		2.5	0.73	ug/L		12/18/24 16:06	01/02/25 18:38	1
Beryllium	<0.53		1.0	0.53	ug/L		12/18/24 16:06	01/02/25 18:38	1
Boron	**26**	**J B**	50	13	ug/L		12/18/24 16:06	01/02/25 18:38	1
Cadmium	<0.17		0.50	0.17	ug/L		12/18/24 16:06	01/02/25 18:38	1
Calcium	**33000**		200	44	ug/L		12/18/24 16:06	01/02/25 18:38	1
Chromium	<1.1		5.0	1.1	ug/L		12/18/24 16:06	01/02/25 18:38	1
Cobalt	<0.40		1.0	0.40	ug/L		12/18/24 16:06	01/02/25 18:38	1
Copper	**6.9**		2.0	0.50	ug/L		12/18/24 16:06	01/02/25 18:38	1
Iron	**320**		100	47	ug/L		12/18/24 16:06	01/02/25 18:38	1
Lead	<0.19		0.50	0.19	ug/L		12/18/24 16:06	01/02/25 18:38	1
Lithium	<2.5		10	2.5	ug/L		12/18/24 16:06	01/02/25 18:38	1
Magnesium	**8300**		200	49	ug/L		12/18/24 16:06	01/02/25 18:38	1
Manganese	**84**		2.5	0.79	ug/L		12/18/24 16:06	01/02/25 18:38	1
Molybdenum	<2.5		5.0	2.5	ug/L		12/18/24 16:06	01/02/25 18:38	1
Nickel	<0.63		2.0	0.63	ug/L		12/18/24 16:06	01/02/25 18:38	1
Potassium	**1400**		500	110	ug/L		12/18/24 16:06	01/02/25 18:38	1
Selenium	<0.98		2.5	0.98	ug/L		12/18/24 16:06	01/02/25 18:38	1
Silver	<0.12		0.50	0.12	ug/L		12/18/24 16:06	01/02/25 18:38	1
Sodium	**7900**		200	77	ug/L		12/18/24 16:06	01/02/25 18:38	1
Strontium	**160**		4.0	0.64	ug/L		12/18/24 16:06	01/02/25 18:38	1
Thallium	<0.57		2.0	0.57	ug/L		12/18/24 16:06	01/02/25 18:38	1
Tin	<1.3		5.0	1.3	ug/L		12/18/24 16:06	01/02/25 18:38	1
Vanadium	<2.2		5.0	2.2	ug/L		12/18/24 16:06	01/02/25 18:38	1
Zinc	<6.9		20	6.9	ug/L		12/18/24 16:06	01/02/25 18:38	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**110**		0.91	0.46	mg/L		12/18/24 15:55	12/23/24 09:02	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	<0.45		1.0	0.45	mg/L			12/11/24 12:20	1
Nitrate as N (EPA 300.0)	<0.37	^-	1.0	0.37	mg/L			12/11/24 12:20	1
Chloride (EPA 300.0)	**27**		1.0	0.42	mg/L			12/11/24 12:20	1
Nitrite as N (EPA 300.0)	<0.25		1.0	0.25	mg/L			12/11/24 12:20	1
Fluoride (EPA 300.0)	<0.43		1.0	0.43	mg/L			12/11/24 12:20	1
Nitrate Nitrite as N (EPA 300.0)	<0.37		1.0	0.37	mg/L			12/11/24 12:20	1
Sulfate (EPA 300.0)	**0.79**	**J**	1.0	0.47	mg/L			12/11/24 12:20	1
Cyanide, Total (EPA 335.4)	<0.0036		0.0050	0.0036	mg/L		12/12/24 13:15	12/12/24 15:26	1
Ammonia (EPA 350.1)	<0.10		0.20	0.10	mg/L		12/27/24 11:21	12/28/24 11:37	1
Phosphorus as P (EPA 365.1)	<0.024		0.050	0.024	mg/L		12/16/24 09:29	12/19/24 13:31	1
Alkalinity (SM 2320B)	**88**	**B**	5.0	3.7	mg/L			12/16/24 16:30	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**88**	**B**	5.0	3.7	mg/L			12/16/24 16:30	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<3.7		5.0	3.7	mg/L			12/16/24 16:30	1
Salinity (SM 2520B)	<0.33		0.33	0.33	psu			12/22/24 15:01	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261306-1

Client Sample ID: PNC-03_20241209
Date Collected: 12/09/24 16:00
Date Received: 12/11/24 09:25

Lab Sample ID: 500-261306-1
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	230		10	4.3	mg/L			12/12/24 01:44	1
Total Suspended Solids (SM 2540D)	3.0	J	5.0	1.9	mg/L			12/13/24 12:45	1
Sulfide (SM 4500 S2 F)	<0.23		1.0	0.23	mg/L			12/12/24 03:37	1
Total Organic Carbon (SM 5310C)	9.4		1.0	0.47	mg/L			12/18/24 20:48	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon (SM 5310C)	8.8		1.0	0.47	mg/L			12/29/24 09:55	1

Client Sample Results

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261306-1

Client Sample ID: PNC-03_20241209_FBLL
Date Collected: 12/09/24 16:00
Date Received: 12/11/24 09:25

Lab Sample ID: 500-261306-2
Matrix: Water

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			12/30/24 16:47	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261306-1

Client Sample ID: MW-5A_20241209

Date Collected: 12/09/24 11:20
Date Received: 12/11/24 09:25

Lab Sample ID: 500-261306-3

Matrix: Water

Method: EPA 1630 - Methyl Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	**0.028**	**J**	0.050	0.022	ng/L		12/20/24 11:36	12/20/24 18:55	1

Method: EPA 1630 - Methyl Mercury - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	**0.022**	**J**	0.050	0.022	ng/L		12/20/24 11:36	12/20/24 19:25	1

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.44**	**J**	0.50	0.20	ng/L			12/30/24 12:30	1

Method: EPA 1631E - Mercury, Low Level (CVAFS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.65**		0.50	0.20	ng/L			12/30/24 12:34	1

Method: EPA 1638 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**8.8**	**B**	0.050	0.0098	ug/L		01/06/25 13:37	01/07/25 13:23	1

Method: EPA 1638 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**7.9**	**B**	0.050	0.0098	ug/L		01/06/25 13:37	01/07/25 13:33	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<25		100	25	ug/L		12/18/24 16:06	01/02/25 18:08	1
Antimony	<1.3		3.0	1.3	ug/L		12/18/24 16:06	01/02/25 18:08	1
Arsenic	**0.39**	**J**	1.0	0.23	ug/L		12/18/24 16:06	01/02/25 18:08	1
Barium	**560**	**F1**	2.5	0.73	ug/L		12/18/24 16:06	01/02/25 18:08	1
Beryllium	<0.53		1.0	0.53	ug/L		12/18/24 16:06	01/02/25 18:08	1
Boron	**190**	**B**	50	13	ug/L		12/18/24 16:06	01/02/25 18:08	1
Cadmium	<0.17		0.50	0.17	ug/L		12/18/24 16:06	01/02/25 18:08	1
Calcium	**170000**		200	44	ug/L		12/18/24 16:06	01/02/25 18:08	1
Chromium	<1.1		5.0	1.1	ug/L		12/18/24 16:06	01/02/25 18:08	1
Cobalt	<0.40		1.0	0.40	ug/L		12/18/24 16:06	01/02/25 18:08	1
Copper	**1.4**	**J**	2.0	0.50	ug/L		12/18/24 16:06	01/02/25 18:08	1
Iron	**120**		100	47	ug/L		12/18/24 16:06	01/02/25 18:08	1
Lead	<0.19		0.50	0.19	ug/L		12/18/24 16:06	01/02/25 18:08	1
Lithium	**53**	**F1**	10	2.5	ug/L		12/18/24 16:06	01/02/25 18:08	1
Magnesium	**14000**	**F1**	200	49	ug/L		12/18/24 16:06	01/02/25 18:08	1
Manganese	**950**	**F1**	2.5	0.79	ug/L		12/18/24 16:06	01/02/25 18:08	1
Molybdenum	<2.5		5.0	2.5	ug/L		12/18/24 16:06	01/02/25 18:08	1
Nickel	**1.4**	**J**	2.0	0.63	ug/L		12/18/24 16:06	01/02/25 18:08	1
Potassium	**500**		500	110	ug/L		12/18/24 16:06	01/02/25 18:08	1
Selenium	<0.98		2.5	0.98	ug/L		12/18/24 16:06	01/02/25 18:08	1
Silver	<0.12		0.50	0.12	ug/L		12/18/24 16:06	01/02/25 18:08	1
Sodium	**97000**		200	77	ug/L		12/18/24 16:06	01/02/25 18:08	1
Strontium	**2900**	**F1**	4.0	0.64	ug/L		12/18/24 16:06	01/02/25 18:08	1
Thallium	<0.57		2.0	0.57	ug/L		12/18/24 16:06	01/02/25 18:08	1
Tin	<1.3		5.0	1.3	ug/L		12/18/24 16:06	01/02/25 18:08	1
Vanadium	<2.2		5.0	2.2	ug/L		12/18/24 16:06	01/02/25 18:08	1
Zinc	<6.9		20	6.9	ug/L		12/18/24 16:06	01/02/25 18:08	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261306-1

Client Sample ID: MW-5A_20241209

Date Collected: 12/09/24 11:20
Date Received: 12/11/24 09:25

Lab Sample ID: 500-261306-3

Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<25		100	25	ug/L		12/18/24 16:06	01/02/25 18:46	1
Antimony	<1.3		3.0	1.3	ug/L		12/18/24 16:06	01/02/25 18:46	1
Arsenic	**0.37**	**J**	1.0	0.23	ug/L		12/18/24 16:06	01/02/25 18:46	1
Barium	**520**		2.5	0.73	ug/L		12/18/24 16:06	01/02/25 18:46	1
Beryllium	<0.53		1.0	0.53	ug/L		12/18/24 16:06	01/02/25 18:46	1
Boron	**190**	**B**	50	13	ug/L		12/18/24 16:06	01/03/25 13:12	1
Cadmium	<0.17		0.50	0.17	ug/L		12/18/24 16:06	01/02/25 18:46	1
Calcium	**170000**		200	44	ug/L		12/18/24 16:06	01/02/25 18:46	1
Chromium	<1.1		5.0	1.1	ug/L		12/18/24 16:06	01/02/25 18:46	1
Cobalt	<0.40		1.0	0.40	ug/L		12/18/24 16:06	01/02/25 18:46	1
Copper	**0.76**	**J**	2.0	0.50	ug/L		12/18/24 16:06	01/02/25 18:46	1
Iron	**100**		100	47	ug/L		12/18/24 16:06	01/02/25 18:46	1
Lead	<0.19		0.50	0.19	ug/L		12/18/24 16:06	01/02/25 18:46	1
Lithium	**50**		10	2.5	ug/L		12/18/24 16:06	01/02/25 18:46	1
Magnesium	**17000**		200	49	ug/L		12/18/24 16:06	01/02/25 18:46	1
Manganese	**960**		2.5	0.79	ug/L		12/18/24 16:06	01/02/25 18:46	1
Molybdenum	<2.5		5.0	2.5	ug/L		12/18/24 16:06	01/02/25 18:46	1
Nickel	**0.76**	**J**	2.0	0.63	ug/L		12/18/24 16:06	01/02/25 18:46	1
Potassium	**460**	**J**	500	110	ug/L		12/18/24 16:06	01/02/25 18:46	1
Selenium	<0.98		2.5	0.98	ug/L		12/18/24 16:06	01/02/25 18:46	1
Silver	<0.12		0.50	0.12	ug/L		12/18/24 16:06	01/02/25 18:46	1
Sodium	**87000**		200	77	ug/L		12/18/24 16:06	01/02/25 18:46	1
Strontium	**2800**		4.0	0.64	ug/L		12/18/24 16:06	01/02/25 18:46	1
Thallium	<0.57		2.0	0.57	ug/L		12/18/24 16:06	01/02/25 18:46	1
Tin	<1.3		5.0	1.3	ug/L		12/18/24 16:06	01/02/25 18:46	1
Vanadium	<2.2		5.0	2.2	ug/L		12/18/24 16:06	01/02/25 18:46	1
Zinc	<6.9		20	6.9	ug/L		12/18/24 16:06	01/02/25 18:46	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**480**		0.91	0.46	mg/L		12/18/24 16:06	01/03/25 09:29	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	**2.2**		1.0	0.45	mg/L			12/11/24 13:07	1
Nitrate as N (EPA 300.0)	**0.47**	**J H F1 ^-**	1.0	0.37	mg/L			12/11/24 13:07	1
Chloride (EPA 300.0)	**230**		1.0	0.42	mg/L			12/13/24 05:31	1
Nitrite as N (EPA 300.0)	<0.25	H	1.0	0.25	mg/L			12/11/24 13:07	1
Fluoride (EPA 300.0)	<0.43		1.0	0.43	mg/L			12/11/24 13:07	1
Nitrate Nitrite as N (EPA 300.0)	**0.47**	**J H**	1.0	0.37	mg/L			12/11/24 13:07	1
Sulfate (EPA 300.0)	**1.8**		1.0	0.47	mg/L			12/11/24 13:07	1
Cyanide, Total (EPA 335.4)	<0.0036		0.0050	0.0036	mg/L		12/12/24 13:15	12/12/24 15:28	1
Ammonia (EPA 350.1)	<0.10	F1 F2	0.20	0.10	mg/L		12/27/24 11:21	12/28/24 11:37	1
Phosphorus as P (EPA 365.1)	<0.024		0.050	0.024	mg/L		12/16/24 09:29	12/19/24 13:32	1
Alkalinity (SM 2320B)	**330**	**B**	5.0	3.7	mg/L			12/16/24 16:41	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**330**	**B**	5.0	3.7	mg/L			12/16/24 16:41	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<3.7		5.0	3.7	mg/L			12/16/24 16:41	1
Salinity (SM 2520B)	**0.55**		0.33	0.33	psu			12/22/24 15:01	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261306-1

Client Sample ID: MW-5A_20241209
Date Collected: 12/09/24 11:20
Date Received: 12/11/24 09:25

Lab Sample ID: 500-261306-3
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	1000		10	4.3	mg/L			12/12/24 01:46	1
Total Suspended Solids (SM 2540D)	2.4	J	5.0	1.9	mg/L			12/13/24 12:48	1
Sulfide (SM 4500 S2 F)	<0.23		1.0	0.23	mg/L			12/12/24 03:41	1
Total Organic Carbon (SM 5310C)	3.2		1.0	0.47	mg/L			12/18/24 21:16	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon (SM 5310C)	3.3		1.0	0.47	mg/L			12/29/24 09:55	1

Client Sample Results

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261306-1

Client Sample ID: MW-5A_20241209_FBLL

Date Collected: 12/09/24 11:20
Date Received: 12/11/24 09:25

Lab Sample ID: 500-261306-4

Matrix: Water

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			12/30/24 12:26	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261306-1

Client Sample ID: MW-31_20241209

Date Collected: 12/09/24 11:45
Date Received: 12/11/24 09:25

Lab Sample ID: 500-261306-5

Matrix: Water

Method: EPA 1630 - Methyl Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	0.084		0.050	0.022	ng/L		12/20/24 11:36	12/20/24 19:56	1

Method: EPA 1630 - Methyl Mercury - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	0.051		0.050	0.022	ng/L		12/20/24 11:36	12/20/24 20:06	1

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	8.2		0.50	0.20	ng/L			12/30/24 16:51	1

Method: EPA 1631E - Mercury, Low Level (CVAFS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.72		0.50	0.20	ng/L			12/30/24 17:45	1

Method: EPA 1638 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	2.0		0.050	0.0098	ug/L		01/06/25 13:37	01/07/25 15:52	1

Method: EPA 1638 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	1.1		0.050	0.0098	ug/L		01/06/25 13:37	01/07/25 16:09	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	6700		100	25	ug/L		12/18/24 15:55	12/20/24 19:54	1
Antimony	<1.3		3.0	1.3	ug/L		12/18/24 15:55	12/20/24 19:54	1
Arsenic	8.7		1.0	0.23	ug/L		12/18/24 15:55	12/20/24 19:54	1
Barium	370		2.5	0.73	ug/L		12/18/24 15:55	12/20/24 19:54	1
Beryllium	0.67	J	1.0	0.53	ug/L		12/18/24 15:55	12/20/24 19:54	1
Boron	770	B	50	13	ug/L		12/18/24 15:55	12/20/24 19:54	1
Cadmium	0.21	J	0.50	0.17	ug/L		12/18/24 15:55	12/20/24 19:54	1
Calcium	55000		200	44	ug/L		12/18/24 15:55	12/20/24 19:54	1
Chromium	9.0		5.0	1.1	ug/L		12/18/24 15:55	12/20/24 19:54	1
Cobalt	7.3		1.0	0.40	ug/L		12/18/24 15:55	12/20/24 19:54	1
Copper	36		2.0	0.50	ug/L		12/18/24 15:55	12/20/24 19:54	1
Iron	5800		100	47	ug/L		12/18/24 15:55	12/20/24 19:54	1
Lead	4.4		0.50	0.19	ug/L		12/18/24 15:55	12/20/24 19:54	1
Lithium	45		10	2.5	ug/L		12/18/24 15:55	12/23/24 11:06	1
Magnesium	10000		200	49	ug/L		12/18/24 15:55	12/20/24 19:54	1
Manganese	650		2.5	0.79	ug/L		12/18/24 15:55	12/20/24 19:54	1
Molybdenum	4.9	J	5.0	2.5	ug/L		12/18/24 15:55	12/20/24 19:54	1
Nickel	30		2.0	0.63	ug/L		12/18/24 15:55	12/20/24 19:54	1
Potassium	4900		500	110	ug/L		12/18/24 15:55	12/20/24 19:54	1
Selenium	<0.98		2.5	0.98	ug/L		12/18/24 15:55	12/23/24 11:06	1
Silver	<0.12		0.50	0.12	ug/L		12/18/24 15:55	12/20/24 19:54	1
Sodium	51000		200	77	ug/L		12/18/24 15:55	12/20/24 19:54	1
Strontium	500		4.0	0.64	ug/L		12/18/24 15:55	12/23/24 11:06	1
Thallium	<0.57		2.0	0.57	ug/L		12/18/24 15:55	12/20/24 19:54	1
Tin	<1.3		5.0	1.3	ug/L		12/18/24 15:55	12/20/24 19:54	1
Vanadium	14		5.0	2.2	ug/L		12/18/24 15:55	12/20/24 19:54	1
Zinc	24		20	6.9	ug/L		12/18/24 15:55	12/20/24 19:54	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261306-1

Client Sample ID: MW-31_20241209

Date Collected: 12/09/24 11:45
Date Received: 12/11/24 09:25

Lab Sample ID: 500-261306-5
Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**34**	**J**	100	25	ug/L		12/18/24 16:06	01/02/25 18:58	1
Antimony	<1.3		3.0	1.3	ug/L		12/18/24 16:06	01/02/25 18:58	1
Arsenic	**2.9**		1.0	0.23	ug/L		12/18/24 16:06	01/02/25 18:58	1
Barium	**130**		2.5	0.73	ug/L		12/18/24 16:06	01/02/25 18:58	1
Beryllium	<0.53		1.0	0.53	ug/L		12/18/24 16:06	01/02/25 18:58	1
Boron	**860**	**B**	50	13	ug/L		12/18/24 16:06	01/03/25 13:29	1
Cadmium	<0.17		0.50	0.17	ug/L		12/18/24 16:06	01/02/25 18:58	1
Calcium	**21000**		200	44	ug/L		12/18/24 16:06	01/02/25 18:58	1
Chromium	<1.1		5.0	1.1	ug/L		12/18/24 16:06	01/02/25 18:58	1
Cobalt	**0.62**	**J**	1.0	0.40	ug/L		12/18/24 16:06	01/02/25 18:58	1
Copper	<0.50		2.0	0.50	ug/L		12/18/24 16:06	01/02/25 18:58	1
Iron	**48**	**J**	100	47	ug/L		12/18/24 16:06	01/02/25 18:58	1
Lead	<0.19		0.50	0.19	ug/L		12/18/24 16:06	01/02/25 18:58	1
Lithium	**42**		10	2.5	ug/L		12/18/24 16:06	01/02/25 18:58	1
Magnesium	**4300**		200	49	ug/L		12/18/24 16:06	01/02/25 18:58	1
Manganese	**220**		2.5	0.79	ug/L		12/18/24 16:06	01/02/25 18:58	1
Molybdenum	**9.2**		5.0	2.5	ug/L		12/18/24 16:06	01/02/25 18:58	1
Nickel	**6.1**		2.0	0.63	ug/L		12/18/24 16:06	01/02/25 18:58	1
Potassium	**3300**		500	110	ug/L		12/18/24 16:06	01/02/25 18:58	1
Selenium	<0.98		2.5	0.98	ug/L		12/18/24 16:06	01/02/25 18:58	1
Silver	<0.12		0.50	0.12	ug/L		12/18/24 16:06	01/02/25 18:58	1
Sodium	**57000**		200	77	ug/L		12/18/24 16:06	01/02/25 18:58	1
Strontium	**350**		4.0	0.64	ug/L		12/18/24 16:06	01/02/25 18:58	1
Thallium	<0.57		2.0	0.57	ug/L		12/18/24 16:06	01/02/25 18:58	1
Tin	**2.3**	**J B**	5.0	1.3	ug/L		12/18/24 16:06	01/02/25 18:58	1
Vanadium	<2.2		5.0	2.2	ug/L		12/18/24 16:06	01/02/25 18:58	1
Zinc	<6.9		20	6.9	ug/L		12/18/24 16:06	01/02/25 18:58	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**180**		0.91	0.46	mg/L		12/18/24 15:55	12/23/24 09:02	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	<0.45		1.0	0.45	mg/L			12/11/24 14:25	1
Nitrate as N (EPA 300.0)	<0.37	H ^-	1.0	0.37	mg/L			12/11/24 14:25	1
Chloride (EPA 300.0)	**17**		1.0	0.42	mg/L			12/13/24 06:36	1
Nitrite as N (EPA 300.0)	<0.25	H	1.0	0.25	mg/L			12/11/24 14:25	1
Fluoride (EPA 300.0)	**0.65**	**J**	1.0	0.43	mg/L			12/11/24 14:25	1
Nitrate Nitrite as N (EPA 300.0)	<0.37	H	1.0	0.37	mg/L			12/11/24 14:25	1
Sulfate (EPA 300.0)	**22**		1.0	0.47	mg/L			12/13/24 06:36	1
Cyanide, Total (EPA 335.4)	<0.0036		0.0050	0.0036	mg/L		12/12/24 13:15	12/12/24 15:37	1
Ammonia (EPA 350.1)	<0.10		0.20	0.10	mg/L		12/27/24 11:21	12/28/24 11:38	1
Phosphorus as P (EPA 365.1)	**0.79**		0.25	0.12	mg/L		12/16/24 09:29	12/19/24 13:34	1
Alkalinity (SM 2320B)	**140**	**B**	5.0	3.7	mg/L			12/16/24 16:54	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**140**	**B**	5.0	3.7	mg/L			12/16/24 16:54	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<3.7		5.0	3.7	mg/L			12/16/24 16:54	1
Salinity (SM 2520B)	<0.33		0.33	0.33	psu			12/22/24 15:01	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261306-1

Client Sample ID: MW-31_20241209
Date Collected: 12/09/24 11:45
Date Received: 12/11/24 09:25

Lab Sample ID: 500-261306-5
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	380		10	4.3	mg/L			12/12/24 01:54	1
Total Suspended Solids (SM 2540D)	340		63	24	mg/L			12/13/24 12:57	1
Sulfide (SM 4500 S2 F)	0.89	J	1.0	0.23	mg/L			12/15/24 22:25	1
Total Organic Carbon (SM 5310C)	2.7		1.0	0.47	mg/L			12/18/24 22:41	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon (SM 5310C)	2.7		1.0	0.47	mg/L			12/29/24 09:55	1

Client Sample Results

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261306-1

Client Sample ID: MW-31_20241209_FBLL

Date Collected: 12/09/24 11:45
Date Received: 12/11/24 09:25

Lab Sample ID: 500-261306-6

Matrix: Water

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			12/30/24 16:56	1

Client Sample ID: SMW-1SB_20241209
Date Collected: 12/09/24 16:35
Date Received: 12/11/24 09:25

Lab Sample ID: 500-261306-7
Matrix: Water

Method: EPA 1630 - Methyl Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	0.023	J	0.050	0.022	ng/L		12/20/24 11:36	12/20/24 20:16	1

Method: EPA 1630 - Methyl Mercury - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		12/20/24 11:36	12/20/24 20:26	1

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	2.0		0.50	0.20	ng/L			12/30/24 17:00	1

Method: EPA 1631E - Mercury, Low Level (CVAFS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.88		0.50	0.20	ng/L			12/30/24 17:49	1

Method: EPA 1638 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	1.3		0.050	0.0098	ug/L		01/06/25 13:37	01/07/25 15:55	1

Method: EPA 1638 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	1.0		0.050	0.0098	ug/L		01/06/25 13:37	01/07/25 16:12	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	1600		100	25	ug/L		12/18/24 16:06	01/02/25 18:20	1
Antimony	<1.3		3.0	1.3	ug/L		12/18/24 16:06	01/02/25 18:20	1
Arsenic	3.4		1.0	0.23	ug/L		12/18/24 16:06	01/02/25 18:20	1
Barium	18		2.5	0.73	ug/L		12/18/24 16:06	01/02/25 18:20	1
Beryllium	<0.53		1.0	0.53	ug/L		12/18/24 16:06	01/02/25 18:20	1
Boron	7300	B	250	64	ug/L		12/18/24 16:06	01/03/25 13:09	5
Cadmium	<0.17		0.50	0.17	ug/L		12/18/24 16:06	01/02/25 18:20	1
Calcium	3500		200	44	ug/L		12/18/24 16:06	01/02/25 18:20	1
Chromium	2.9	J	5.0	1.1	ug/L		12/18/24 16:06	01/02/25 18:20	1
Cobalt	1.1		1.0	0.40	ug/L		12/18/24 16:06	01/02/25 18:20	1
Copper	11		2.0	0.50	ug/L		12/18/24 16:06	01/02/25 18:20	1
Iron	1600		100	47	ug/L		12/18/24 16:06	01/02/25 18:20	1
Lead	0.71		0.50	0.19	ug/L		12/18/24 16:06	01/02/25 18:20	1
Lithium	18		10	2.5	ug/L		12/18/24 16:06	01/02/25 18:20	1
Magnesium	1100		200	49	ug/L		12/18/24 16:06	01/02/25 18:20	1
Manganese	56		2.5	0.79	ug/L		12/18/24 16:06	01/02/25 18:20	1
Molybdenum	7.9		5.0	2.5	ug/L		12/18/24 16:06	01/02/25 18:20	1
Nickel	2.7		2.0	0.63	ug/L		12/18/24 16:06	01/02/25 18:20	1
Potassium	1800		500	110	ug/L		12/18/24 16:06	01/02/25 18:20	1
Selenium	<0.98		2.5	0.98	ug/L		12/18/24 16:06	01/02/25 18:20	1
Silver	<0.12		0.50	0.12	ug/L		12/18/24 16:06	01/02/25 18:20	1
Sodium	100000		200	77	ug/L		12/18/24 16:06	01/02/25 18:20	1
Strontium	21		4.0	0.64	ug/L		12/18/24 16:06	01/02/25 18:20	1
Thallium	<0.57		2.0	0.57	ug/L		12/18/24 16:06	01/02/25 18:20	1
Tin	3.2	J B	5.0	1.3	ug/L		12/18/24 16:06	01/02/25 18:20	1
Vanadium	11		5.0	2.2	ug/L		12/18/24 16:06	01/02/25 18:20	1
Zinc	7.1	J	20	6.9	ug/L		12/18/24 16:06	01/02/25 18:20	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261306-1

Client Sample ID: SMW-1SB_20241209

Lab Sample ID: 500-261306-7

Date Collected: 12/09/24 16:35

Matrix: Water

Date Received: 12/11/24 09:25

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**31**	**J**	100	25	ug/L		12/18/24 16:06	01/02/25 19:01	1
Antimony	<1.3		3.0	1.3	ug/L		12/18/24 16:06	01/02/25 19:01	1
Arsenic	**3.0**		1.0	0.23	ug/L		12/18/24 16:06	01/02/25 19:01	1
Barium	**7.5**		2.5	0.73	ug/L		12/18/24 16:06	01/02/25 19:01	1
Beryllium	<0.53		1.0	0.53	ug/L		12/18/24 16:06	01/02/25 19:01	1
Boron	**7300**	**B**	250	64	ug/L		12/18/24 16:06	01/03/25 13:32	5
Cadmium	<0.17		0.50	0.17	ug/L		12/18/24 16:06	01/02/25 19:01	1
Calcium	**2700**		200	44	ug/L		12/18/24 16:06	01/02/25 19:01	1
Chromium	<1.1		5.0	1.1	ug/L		12/18/24 16:06	01/02/25 19:01	1
Cobalt	<0.40		1.0	0.40	ug/L		12/18/24 16:06	01/02/25 19:01	1
Copper	**3.3**		2.0	0.50	ug/L		12/18/24 16:06	01/02/25 19:01	1
Iron	<47		100	47	ug/L		12/18/24 16:06	01/02/25 19:01	1
Lead	<0.19		0.50	0.19	ug/L		12/18/24 16:06	01/02/25 19:01	1
Lithium	**17**		10	2.5	ug/L		12/18/24 16:06	01/02/25 19:01	1
Magnesium	**430**		200	49	ug/L		12/18/24 16:06	01/02/25 19:01	1
Manganese	**5.0**		2.5	0.79	ug/L		12/18/24 16:06	01/02/25 19:01	1
Molybdenum	**7.5**		5.0	2.5	ug/L		12/18/24 16:06	01/02/25 19:01	1
Nickel	**0.73**	**J**	2.0	0.63	ug/L		12/18/24 16:06	01/02/25 19:01	1
Potassium	**1500**		500	110	ug/L		12/18/24 16:06	01/02/25 19:01	1
Selenium	<0.98		2.5	0.98	ug/L		12/18/24 16:06	01/02/25 19:01	1
Silver	<0.12		0.50	0.12	ug/L		12/18/24 16:06	01/02/25 19:01	1
Sodium	**100000**		200	77	ug/L		12/18/24 16:06	01/02/25 19:01	1
Strontium	**19**		4.0	0.64	ug/L		12/18/24 16:06	01/02/25 19:01	1
Thallium	<0.57		2.0	0.57	ug/L		12/18/24 16:06	01/02/25 19:01	1
Tin	<1.3		5.0	1.3	ug/L		12/18/24 16:06	01/02/25 19:01	1
Vanadium	**6.6**		5.0	2.2	ug/L		12/18/24 16:06	01/02/25 19:01	1
Zinc	<6.9		20	6.9	ug/L		12/18/24 16:06	01/02/25 19:01	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**13**		0.91	0.46	mg/L		12/18/24 16:06	01/03/25 09:29	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	<0.45		1.0	0.45	mg/L			12/11/24 12:36	1
Nitrate as N (EPA 300.0)	<0.37	^-	1.0	0.37	mg/L			12/11/24 12:36	1
Chloride (EPA 300.0)	**22**		1.0	0.42	mg/L			12/11/24 12:36	1
Nitrite as N (EPA 300.0)	<0.25		1.0	0.25	mg/L			12/11/24 12:36	1
Fluoride (EPA 300.0)	**5.6**		1.0	0.43	mg/L			12/11/24 12:36	1
Nitrate Nitrite as N (EPA 300.0)	<0.37		1.0	0.37	mg/L			12/11/24 12:36	1
Sulfate (EPA 300.0)	**15**		1.0	0.47	mg/L			12/11/24 12:36	1
Cyanide, Total (EPA 335.4)	<0.0036		0.0050	0.0036	mg/L		12/12/24 13:15	12/12/24 15:39	1
Ammonia (EPA 350.1)	<0.10		0.20	0.10	mg/L		12/27/24 11:21	12/28/24 11:39	1
Phosphorus as P (EPA 365.1)	**0.22**		0.050	0.024	mg/L		12/16/24 09:29	12/19/24 13:34	1
Alkalinity (SM 2320B)	**160**	**B**	5.0	3.7	mg/L			12/16/24 17:03	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**140**	**B**	5.0	3.7	mg/L			12/16/24 17:03	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	**18**		5.0	3.7	mg/L			12/16/24 17:03	1
Salinity (SM 2520B)	<0.33		0.33	0.33	psu			01/06/25 08:16	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261306-1

Client Sample ID: SMW-1SB_20241209
Date Collected: 12/09/24 16:35
Date Received: 12/11/24 09:25

Lab Sample ID: 500-261306-7
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	320		10	4.3	mg/L			12/12/24 01:59	1
Total Suspended Solids (SM 2540D)	32		5.0	1.9	mg/L			12/13/24 13:00	1
Sulfide (SM 4500 S2 F)	<0.23		1.0	0.23	mg/L			12/15/24 22:30	1
Total Organic Carbon (SM 5310C)	2.2		1.0	0.47	mg/L			12/18/24 23:09	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon (SM 5310C)	2.1		1.0	0.47	mg/L			12/29/24 09:55	1

Client Sample Results

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261306-1

Client Sample ID: SMW-1SB_20241209_FBLL
Date Collected: 12/09/24 16:35
Date Received: 12/11/24 09:25

Lab Sample ID: 500-261306-8
Matrix: Water

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.25	J	0.50	0.20	ng/L			12/30/24 17:04	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261306-1

Client Sample ID: MW-5SB_20241209

Date Collected: 12/09/24 14:40
Date Received: 12/11/24 09:25

Lab Sample ID: 500-261306-9

Matrix: Water

Method: EPA 1630 - Methyl Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	0.039	J	0.050	0.022	ng/L		12/26/24 12:35	12/26/24 20:48	1

Method: EPA 1630 - Methyl Mercury - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	0.029	J	0.050	0.022	ng/L		12/26/24 12:35	12/26/24 22:40	1

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	2.4		0.50	0.20	ng/L			12/30/24 17:08	1

Method: EPA 1631E - Mercury, Low Level (CVAFS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.59		0.50	0.20	ng/L			12/30/24 17:54	1

Method: EPA 1638 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	0.94		0.050	0.0098	ug/L		01/06/25 13:37	01/07/25 15:59	1

Method: EPA 1638 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	0.77		0.050	0.0098	ug/L		01/06/25 13:37	01/07/25 16:16	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	5200		100	25	ug/L		12/18/24 16:06	01/02/25 18:31	1
Antimony	<1.3		3.0	1.3	ug/L		12/18/24 16:06	01/02/25 18:31	1
Arsenic	0.67	J	1.0	0.23	ug/L		12/18/24 16:06	01/02/25 18:31	1
Barium	87		2.5	0.73	ug/L		12/18/24 16:06	01/02/25 18:31	1
Beryllium	<0.53		1.0	0.53	ug/L		12/18/24 16:06	01/02/25 18:31	1
Boron	370	B	50	13	ug/L		12/18/24 16:06	01/02/25 18:31	1
Cadmium	<0.17		0.50	0.17	ug/L		12/18/24 16:06	01/02/25 18:31	1
Calcium	19000		200	44	ug/L		12/18/24 16:06	01/02/25 18:31	1
Chromium	8.6		5.0	1.1	ug/L		12/18/24 16:06	01/02/25 18:31	1
Cobalt	2.3		1.0	0.40	ug/L		12/18/24 16:06	01/02/25 18:31	1
Copper	11		2.0	0.50	ug/L		12/18/24 16:06	01/02/25 18:31	1
Iron	4300		100	47	ug/L		12/18/24 16:06	01/02/25 18:31	1
Lead	1.5		0.50	0.19	ug/L		12/18/24 16:06	01/02/25 18:31	1
Lithium	70		10	2.5	ug/L		12/18/24 16:06	01/02/25 18:31	1
Magnesium	1800		200	49	ug/L		12/18/24 16:06	01/02/25 18:31	1
Manganese	110		2.5	0.79	ug/L		12/18/24 16:06	01/02/25 18:31	1
Molybdenum	91		5.0	2.5	ug/L		12/18/24 16:06	01/02/25 18:31	1
Nickel	5.2		2.0	0.63	ug/L		12/18/24 16:06	01/02/25 18:31	1
Potassium	1800		500	110	ug/L		12/18/24 16:06	01/02/25 18:31	1
Selenium	<0.98		2.5	0.98	ug/L		12/18/24 16:06	01/02/25 18:31	1
Silver	<0.12		0.50	0.12	ug/L		12/18/24 16:06	01/02/25 18:31	1
Sodium	240000		200	77	ug/L		12/18/24 16:06	01/02/25 18:31	1
Strontium	370		4.0	0.64	ug/L		12/18/24 16:06	01/02/25 18:31	1
Thallium	<0.57		2.0	0.57	ug/L		12/18/24 16:06	01/02/25 18:31	1
Tin	<1.3		5.0	1.3	ug/L		12/18/24 16:06	01/02/25 18:31	1
Vanadium	12		5.0	2.2	ug/L		12/18/24 16:06	01/02/25 18:31	1
Zinc	12	J	20	6.9	ug/L		12/18/24 16:06	01/02/25 18:31	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261306-1

Client Sample ID: MW-5SB_20241209

Lab Sample ID: 500-261306-9

Date Collected: 12/09/24 14:40

Matrix: Water

Date Received: 12/11/24 09:25

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**190**		100	25	ug/L		12/18/24 16:06	01/02/25 19:11	1
Antimony	<1.3		3.0	1.3	ug/L		12/18/24 16:06	01/02/25 19:11	1
Arsenic	**0.40**	**J**	1.0	0.23	ug/L		12/18/24 16:06	01/02/25 19:11	1
Barium	**41**		2.5	0.73	ug/L		12/18/24 16:06	01/02/25 19:11	1
Beryllium	<0.53		1.0	0.53	ug/L		12/18/24 16:06	01/02/25 19:11	1
Boron	**390**	**B**	50	13	ug/L		12/18/24 16:06	01/03/25 13:34	1
Cadmium	<0.17		0.50	0.17	ug/L		12/18/24 16:06	01/02/25 19:11	1
Calcium	**18000**		200	44	ug/L		12/18/24 16:06	01/02/25 19:11	1
Chromium	<1.1		5.0	1.1	ug/L		12/18/24 16:06	01/02/25 19:11	1
Cobalt	<0.40		1.0	0.40	ug/L		12/18/24 16:06	01/02/25 19:11	1
Copper	**1.2**	**J**	2.0	0.50	ug/L		12/18/24 16:06	01/02/25 19:11	1
Iron	**120**		100	47	ug/L		12/18/24 16:06	01/02/25 19:11	1
Lead	<0.19		0.50	0.19	ug/L		12/18/24 16:06	01/02/25 19:11	1
Lithium	**67**		10	2.5	ug/L		12/18/24 16:06	01/02/25 19:11	1
Magnesium	**430**		200	49	ug/L		12/18/24 16:06	01/02/25 19:11	1
Manganese	**29**		2.5	0.79	ug/L		12/18/24 16:06	01/02/25 19:11	1
Molybdenum	**93**		5.0	2.5	ug/L		12/18/24 16:06	01/02/25 19:11	1
Nickel	**0.67**	**J**	2.0	0.63	ug/L		12/18/24 16:06	01/02/25 19:11	1
Potassium	**420**	**J**	500	110	ug/L		12/18/24 16:06	01/02/25 19:11	1
Selenium	<0.98		2.5	0.98	ug/L		12/18/24 16:06	01/02/25 19:11	1
Silver	<0.12		0.50	0.12	ug/L		12/18/24 16:06	01/02/25 19:11	1
Sodium	**250000**		200	77	ug/L		12/18/24 16:06	01/02/25 19:11	1
Strontium	**350**		4.0	0.64	ug/L		12/18/24 16:06	01/02/25 19:11	1
Thallium	<0.57		2.0	0.57	ug/L		12/18/24 16:06	01/02/25 19:11	1
Tin	<1.3		5.0	1.3	ug/L		12/18/24 16:06	01/02/25 19:11	1
Vanadium	**3.1**	**J**	5.0	2.2	ug/L		12/18/24 16:06	01/02/25 19:11	1
Zinc	<6.9		20	6.9	ug/L		12/18/24 16:06	01/02/25 19:11	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**54**		0.91	0.46	mg/L		12/18/24 16:06	01/03/25 09:29	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	**3.3**		1.0	0.45	mg/L			12/11/24 11:49	1
Nitrate as N (EPA 300.0)	<0.37	^-	1.0	0.37	mg/L			12/11/24 11:49	1
Chloride (EPA 300.0)	**320**		20	8.4	mg/L			12/13/24 07:57	20
Nitrite as N (EPA 300.0)	<0.25		1.0	0.25	mg/L			12/11/24 11:49	1
Fluoride (EPA 300.0)	**1.3**		1.0	0.43	mg/L			12/11/24 11:49	1
Nitrate Nitrite as N (EPA 300.0)	<0.37		1.0	0.37	mg/L			12/11/24 11:49	1
Sulfate (EPA 300.0)	**33**		1.0	0.47	mg/L			12/11/24 11:49	1
Cyanide, Total (EPA 335.4)	<0.0036		0.0050	0.0036	mg/L		12/12/24 13:15	12/12/24 15:40	1
Ammonia (EPA 350.1)	<0.10		0.20	0.10	mg/L		12/27/24 11:21	12/28/24 11:39	1
Phosphorus as P (EPA 365.1)	<0.024		0.050	0.024	mg/L		12/16/24 09:29	12/19/24 13:35	1
Alkalinity (SM 2320B)	**51**	**B**	5.0	3.7	mg/L			12/16/24 17:12	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**51**	**B**	5.0	3.7	mg/L			12/16/24 17:12	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<3.7		5.0	3.7	mg/L			12/16/24 17:12	1
Salinity (SM 2520B)	<0.33		0.33	0.33	psu			01/06/25 08:16	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261306-1

Client Sample ID: MW-5SB_20241209
Date Collected: 12/09/24 14:40
Date Received: 12/11/24 09:25

Lab Sample ID: 500-261306-9
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**720**		10	4.3	mg/L			12/12/24 02:02	1
Total Suspended Solids (SM 2540D)	**17**		5.0	1.9	mg/L			12/13/24 13:03	1
Sulfide (SM 4500 S2 F)	<0.23		1.0	0.23	mg/L			12/15/24 22:35	1
Total Organic Carbon (SM 5310C)	**0.50**	**J**	1.0	0.47	mg/L			12/18/24 23:37	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon (SM 5310C)	<0.47		1.0	0.47	mg/L			12/29/24 09:55	1

Client Sample Results

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261306-1

Client Sample ID: MW-5SB_20241209_FBLL

Date Collected: 12/09/24 14:40
Date Received: 12/11/24 09:25

Lab Sample ID: 500-261306-10

Matrix: Water

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			12/30/24 17:20	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261306-1

Client Sample ID: SMW-1_20241209

Date Collected: 12/09/24 15:20
Date Received: 12/11/24 09:25

Lab Sample ID: 500-261306-11

Matrix: Water

Method: EPA 1630 - Methyl Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	**0.028**	**J**	0.050	0.022	ng/L		12/26/24 12:35	12/26/24 20:59	1

Method: EPA 1630 - Methyl Mercury - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		12/26/24 12:35	12/26/24 22:51	1

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.68**		0.50	0.20	ng/L			12/30/24 17:25	1

Method: EPA 1631E - Mercury, Low Level (CVAFS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.44**	**J**	0.50	0.20	ng/L			12/30/24 17:58	1

Method: EPA 1638 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**4.5**		0.050	0.0098	ug/L		01/06/25 13:37	01/07/25 16:02	1

Method: EPA 1638 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**4.3**		0.050	0.0098	ug/L		01/06/25 13:37	01/07/25 16:19	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**290**		100	25	ug/L		12/18/24 16:06	01/02/25 18:33	1
Antimony	<1.3		3.0	1.3	ug/L		12/18/24 16:06	01/02/25 18:33	1
Arsenic	**1.4**		1.0	0.23	ug/L		12/18/24 16:06	01/02/25 18:33	1
Barium	**73**		2.5	0.73	ug/L		12/18/24 16:06	01/02/25 18:33	1
Beryllium	<0.53		1.0	0.53	ug/L		12/18/24 16:06	01/02/25 18:33	1
Boron	**1400**	**B**	50	13	ug/L		12/18/24 16:06	01/02/25 18:33	1
Cadmium	<0.17		0.50	0.17	ug/L		12/18/24 16:06	01/02/25 18:33	1
Calcium	**19000**		200	44	ug/L		12/18/24 16:06	01/02/25 18:33	1
Chromium	<1.1		5.0	1.1	ug/L		12/18/24 16:06	01/02/25 18:33	1
Cobalt	<0.40		1.0	0.40	ug/L		12/18/24 16:06	01/02/25 18:33	1
Copper	**3.6**		2.0	0.50	ug/L		12/18/24 16:06	01/02/25 18:33	1
Iron	**360**		100	47	ug/L		12/18/24 16:06	01/02/25 18:33	1
Lead	**0.36**	**J**	0.50	0.19	ug/L		12/18/24 16:06	01/02/25 18:33	1
Lithium	**12**		10	2.5	ug/L		12/18/24 16:06	01/02/25 18:33	1
Magnesium	**8600**		200	49	ug/L		12/18/24 16:06	01/02/25 18:33	1
Manganese	**16**		2.5	0.79	ug/L		12/18/24 16:06	01/02/25 18:33	1
Molybdenum	**6.0**		5.0	2.5	ug/L		12/18/24 16:06	01/02/25 18:33	1
Nickel	**0.97**	**J**	2.0	0.63	ug/L		12/18/24 16:06	01/02/25 18:33	1
Potassium	**3400**		500	110	ug/L		12/18/24 16:06	01/02/25 18:33	1
Selenium	<0.98		2.5	0.98	ug/L		12/18/24 16:06	01/02/25 18:33	1
Silver	<0.12		0.50	0.12	ug/L		12/18/24 16:06	01/02/25 18:33	1
Sodium	**61000**		200	77	ug/L		12/18/24 16:06	01/02/25 18:33	1
Strontium	**280**		4.0	0.64	ug/L		12/18/24 16:06	01/02/25 18:33	1
Thallium	<0.57		2.0	0.57	ug/L		12/18/24 16:06	01/02/25 18:33	1
Tin	<1.3		5.0	1.3	ug/L		12/18/24 16:06	01/02/25 18:33	1
Vanadium	**2.2**	**J**	5.0	2.2	ug/L		12/18/24 16:06	01/02/25 18:33	1
Zinc	<6.9		20	6.9	ug/L		12/18/24 16:06	01/02/25 18:33	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261306-1

Client Sample ID: SMW-1_20241209

Date Collected: 12/09/24 15:20
Date Received: 12/11/24 09:25

Lab Sample ID: 500-261306-11

Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<25		100	25	ug/L		12/18/24 16:06	01/02/25 19:13	1
Antimony	<1.3		3.0	1.3	ug/L		12/18/24 16:06	01/02/25 19:13	1
Arsenic	**1.3**		1.0	0.23	ug/L		12/18/24 16:06	01/02/25 19:13	1
Barium	**68**		2.5	0.73	ug/L		12/18/24 16:06	01/02/25 19:13	1
Beryllium	<0.53		1.0	0.53	ug/L		12/18/24 16:06	01/02/25 19:13	1
Boron	**1500**	**B**	50	13	ug/L		12/18/24 16:06	01/03/25 13:37	1
Cadmium	<0.17		0.50	0.17	ug/L		12/18/24 16:06	01/02/25 19:13	1
Calcium	**18000**		200	44	ug/L		12/18/24 16:06	01/02/25 19:13	1
Chromium	<1.1		5.0	1.1	ug/L		12/18/24 16:06	01/02/25 19:13	1
Cobalt	<0.40		1.0	0.40	ug/L		12/18/24 16:06	01/02/25 19:13	1
Copper	**0.59**	**J**	2.0	0.50	ug/L		12/18/24 16:06	01/02/25 19:13	1
Iron	<47		100	47	ug/L		12/18/24 16:06	01/02/25 19:13	1
Lead	<0.19		0.50	0.19	ug/L		12/18/24 16:06	01/02/25 19:13	1
Lithium	**12**		10	2.5	ug/L		12/18/24 16:06	01/02/25 19:13	1
Magnesium	**8300**		200	49	ug/L		12/18/24 16:06	01/02/25 19:13	1
Manganese	**4.8**		2.5	0.79	ug/L		12/18/24 16:06	01/02/25 19:13	1
Molybdenum	**6.2**		5.0	2.5	ug/L		12/18/24 16:06	01/02/25 19:13	1
Nickel	<0.63		2.0	0.63	ug/L		12/18/24 16:06	01/02/25 19:13	1
Potassium	**3400**		500	110	ug/L		12/18/24 16:06	01/02/25 19:13	1
Selenium	<0.98		2.5	0.98	ug/L		12/18/24 16:06	01/02/25 19:13	1
Silver	<0.12		0.50	0.12	ug/L		12/18/24 16:06	01/02/25 19:13	1
Sodium	**61000**		200	77	ug/L		12/18/24 16:06	01/02/25 19:13	1
Strontium	**280**		4.0	0.64	ug/L		12/18/24 16:06	01/02/25 19:13	1
Thallium	<0.57		2.0	0.57	ug/L		12/18/24 16:06	01/02/25 19:13	1
Tin	<1.3		5.0	1.3	ug/L		12/18/24 16:06	01/02/25 19:13	1
Vanadium	<2.2		5.0	2.2	ug/L		12/18/24 16:06	01/02/25 19:13	1
Zinc	<6.9		20	6.9	ug/L		12/18/24 16:06	01/02/25 19:13	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**82**		0.91	0.46	mg/L		12/18/24 16:06	01/03/25 09:29	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	<0.45		1.0	0.45	mg/L			12/11/24 12:04	1
Nitrate as N (EPA 300.0)	**0.50**	**J ^-**	1.0	0.37	mg/L			12/11/24 12:04	1
Chloride (EPA 300.0)	**5.1**		1.0	0.42	mg/L			12/11/24 12:04	1
Nitrite as N (EPA 300.0)	<0.25		1.0	0.25	mg/L			12/11/24 12:04	1
Fluoride (EPA 300.0)	**0.85**	**J**	1.0	0.43	mg/L			12/11/24 12:04	1
Nitrate Nitrite as N (EPA 300.0)	**0.50**	**J**	1.0	0.37	mg/L			12/11/24 12:04	1
Sulfate (EPA 300.0)	**13**		1.0	0.47	mg/L			12/11/24 12:04	1
Cyanide, Total (EPA 335.4)	<0.0036		0.0050	0.0036	mg/L		12/12/24 13:15	12/12/24 15:42	1
Ammonia (EPA 350.1)	<0.10		0.20	0.10	mg/L		12/27/24 11:21	12/28/24 11:40	1
Phosphorus as P (EPA 365.1)	**0.036**	**J**	0.050	0.024	mg/L		12/16/24 09:29	12/19/24 13:35	1
Alkalinity (SM 2320B)	**180**	**B**	5.0	3.7	mg/L			12/16/24 17:21	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**180**	**B**	5.0	3.7	mg/L			12/16/24 17:21	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<3.7		5.0	3.7	mg/L			12/16/24 17:21	1
Salinity (SM 2520B)	<0.33		0.33	0.33	psu			01/06/25 08:16	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261306-1

Client Sample ID: SMW-1_20241209
Date Collected: 12/09/24 15:20
Date Received: 12/11/24 09:25

Lab Sample ID: 500-261306-11
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	280		10	4.3	mg/L			12/12/24 02:04	1
Total Suspended Solids (SM 2540D)	12		5.0	1.9	mg/L			12/13/24 13:06	1
Sulfide (SM 4500 S2 F)	<0.23		1.0	0.23	mg/L			12/15/24 22:40	1
Total Organic Carbon (SM 5310C)	0.87	J	1.0	0.47	mg/L			12/19/24 01:01	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon (SM 5310C)	0.92	J	1.0	0.47	mg/L			12/29/24 09:55	1

Client Sample Results

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261306-1

Client Sample ID: SMW-1_20241209_FBLL
Date Collected: 12/09/24 15:20
Date Received: 12/11/24 09:25

Lab Sample ID: 500-261306-12
Matrix: Water

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			12/30/24 17:29	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261306-1

Client Sample ID: EB-01-GW_20241209

Date Collected: 12/09/24 19:00
Date Received: 12/11/24 09:25

Lab Sample ID: 500-261306-13

Matrix: Water

Method: EPA 1630 - Methyl Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		12/26/24 12:35	12/26/24 21:09	1

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.35**	**J**	0.50	0.20	ng/L			12/30/24 17:33	1

Method: EPA 1638 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	<0.0098		0.050	0.0098	ug/L		01/06/25 13:37	01/07/25 16:06	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<25		100	25	ug/L		12/18/24 16:06	01/02/25 18:36	1
Antimony	<1.3		3.0	1.3	ug/L		12/18/24 16:06	01/02/25 18:36	1
Arsenic	<0.23		1.0	0.23	ug/L		12/18/24 16:06	01/02/25 18:36	1
Barium	<0.73		2.5	0.73	ug/L		12/18/24 16:06	01/02/25 18:36	1
Beryllium	<0.53		1.0	0.53	ug/L		12/18/24 16:06	01/02/25 18:36	1
Boron	**25**	**J B**	50	13	ug/L		12/18/24 16:06	01/02/25 18:36	1
Cadmium	<0.17		0.50	0.17	ug/L		12/18/24 16:06	01/02/25 18:36	1
Calcium	<44		200	44	ug/L		12/18/24 16:06	01/02/25 18:36	1
Chromium	<1.1		5.0	1.1	ug/L		12/18/24 16:06	01/02/25 18:36	1
Cobalt	<0.40		1.0	0.40	ug/L		12/18/24 16:06	01/02/25 18:36	1
Copper	<0.50		2.0	0.50	ug/L		12/18/24 16:06	01/02/25 18:36	1
Iron	<47		100	47	ug/L		12/18/24 16:06	01/02/25 18:36	1
Lead	<0.19		0.50	0.19	ug/L		12/18/24 16:06	01/02/25 18:36	1
Lithium	<2.5		10	2.5	ug/L		12/18/24 16:06	01/02/25 18:36	1
Magnesium	<49		200	49	ug/L		12/18/24 16:06	01/02/25 18:36	1
Manganese	<0.79		2.5	0.79	ug/L		12/18/24 16:06	01/02/25 18:36	1
Molybdenum	<2.5		5.0	2.5	ug/L		12/18/24 16:06	01/02/25 18:36	1
Nickel	<0.63		2.0	0.63	ug/L		12/18/24 16:06	01/02/25 18:36	1
Potassium	<110		500	110	ug/L		12/18/24 16:06	01/02/25 18:36	1
Selenium	<0.98		2.5	0.98	ug/L		12/18/24 16:06	01/02/25 18:36	1
Silver	<0.12		0.50	0.12	ug/L		12/18/24 16:06	01/02/25 18:36	1
Sodium	**92**	**J**	200	77	ug/L		12/18/24 16:06	01/02/25 18:36	1
Strontium	<0.64		4.0	0.64	ug/L		12/18/24 16:06	01/02/25 18:36	1
Thallium	<0.57		2.0	0.57	ug/L		12/18/24 16:06	01/02/25 18:36	1
Tin	<1.3		5.0	1.3	ug/L		12/18/24 16:06	01/02/25 18:36	1
Vanadium	<2.2		5.0	2.2	ug/L		12/18/24 16:06	01/02/25 18:36	1
Zinc	<6.9		20	6.9	ug/L		12/18/24 16:06	01/02/25 18:36	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	<0.46		0.91	0.46	mg/L		12/18/24 16:06	01/03/25 09:29	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	<0.45		1.0	0.45	mg/L			12/11/24 12:51	1
Nitrate as N (EPA 300.0)	**0.46**	**J ^-**	1.0	0.37	mg/L			12/11/24 12:51	1
Chloride (EPA 300.0)	<0.42		1.0	0.42	mg/L			12/11/24 12:51	1
Nitrite as N (EPA 300.0)	<0.25		1.0	0.25	mg/L			12/11/24 12:51	1
Fluoride (EPA 300.0)	<0.43		1.0	0.43	mg/L			12/11/24 12:51	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261306-1

Client Sample ID: EB-01-GW_20241209
Date Collected: 12/09/24 19:00
Date Received: 12/11/24 09:25

Lab Sample ID: 500-261306-13
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N (EPA 300.0)	**0.46**	**J**	1.0	0.37	mg/L			12/11/24 12:51	1
Sulfate (EPA 300.0)	<0.47		1.0	0.47	mg/L			12/11/24 12:51	1
Cyanide, Total (EPA 335.4)	<0.0036		0.0050	0.0036	mg/L		12/12/24 13:15	12/12/24 15:44	1
Ammonia (EPA 350.1)	<0.10		0.20	0.10	mg/L		12/27/24 11:21	12/28/24 11:41	1
Phosphorus as P (EPA 365.1)	<0.024		0.050	0.024	mg/L		12/16/24 09:29	12/19/24 13:36	1
Alkalinity (SM 2320B)	<3.7		5.0	3.7	mg/L			12/16/24 17:30	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	<3.7		5.0	3.7	mg/L			12/16/24 17:30	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<3.7		5.0	3.7	mg/L			12/16/24 17:30	1
Salinity (SM 2520B)	<0.33		0.33	0.33	psu			01/06/25 08:16	1
Total Dissolved Solids (SM 2540C)	**10**		10	4.3	mg/L			12/12/24 02:07	1
Total Suspended Solids (SM 2540D)	<1.9		5.0	1.9	mg/L			12/13/24 13:09	1
Sulfide (SM 4500 S2 F)	<0.23		1.0	0.23	mg/L			12/15/24 22:44	1
Total Organic Carbon (SM 5310C)	<0.47		1.0	0.47	mg/L			01/06/25 17:03	1

Client Sample Results

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261306-1

Client Sample ID: EB-01-GW_20241209-FBLL

Lab Sample ID: 500-261306-14

Date Collected: 12/09/24 19:00
Matrix: Water
Date Received: 12/11/24 09:25

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			12/30/24 17:37	1

Definitions/Glossary

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261306-1

Qualifiers

Metals

Qualifier	Qualifier Description
^+	Continuing Calibration Verification (CCV) is outside acceptance limits, high biased.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
B	Compound was found in the blank and sample.
F1	MS and/or MSD recovery exceeds control limits.
F5	Duplicate RPD exceeds limit, and one or both sample results are less than 5 times RL, and the absolute difference between results is < the upper reporting limits for both.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
^-	Continuing Calibration Verification (CCV) is outside acceptance limits, low biased.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
B	Compound was found in the blank and sample.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
H	Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Metals

Prep Batch: 4026

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261306-1	PNC-03_20241209	Dissolved	Water	1630	
500-261306-1	PNC-03_20241209	Total/NA	Water	1630	
500-261306-3	MW-5A_20241209	Dissolved	Water	1630	
500-261306-3	MW-5A_20241209	Total/NA	Water	1630	
500-261306-5	MW-31_20241209	Dissolved	Water	1630	
500-261306-5	MW-31_20241209	Total/NA	Water	1630	
500-261306-7	SMW-1SB_20241209	Dissolved	Water	1630	
500-261306-7	SMW-1SB_20241209	Total/NA	Water	1630	
MB 350-4026/1-A	Method Blank	Total/NA	Water	1630	
MB 350-4026/2-A	Method Blank	Total/NA	Water	1630	
MB 350-4026/3-A	Method Blank	Total/NA	Water	1630	
LCS 350-4026/4-A	Lab Control Sample	Total/NA	Water	1630	
LCSD 350-4026/5-A	Lab Control Sample Dup	Total/NA	Water	1630	
500-261306-3 MS	MW-5A_20241209	Dissolved	Water	1630	
500-261306-3 MS	MW-5A_20241209	Total/NA	Water	1630	
500-261306-3 MSD	MW-5A_20241209	Dissolved	Water	1630	
500-261306-3 MSD	MW-5A_20241209	Total/NA	Water	1630	

Analysis Batch: 4067

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261306-1	PNC-03_20241209	Dissolved	Water	1630	4026
500-261306-1	PNC-03_20241209	Total/NA	Water	1630	4026
500-261306-3	MW-5A_20241209	Dissolved	Water	1630	4026
500-261306-3	MW-5A_20241209	Total/NA	Water	1630	4026
500-261306-5	MW-31_20241209	Dissolved	Water	1630	4026
500-261306-5	MW-31_20241209	Total/NA	Water	1630	4026
500-261306-7	SMW-1SB_20241209	Dissolved	Water	1630	4026
500-261306-7	SMW-1SB_20241209	Total/NA	Water	1630	4026
MB 350-4026/1-A	Method Blank	Total/NA	Water	1630	4026
MB 350-4026/2-A	Method Blank	Total/NA	Water	1630	4026
MB 350-4026/3-A	Method Blank	Total/NA	Water	1630	4026
LCS 350-4026/4-A	Lab Control Sample	Total/NA	Water	1630	4026
LCSD 350-4026/5-A	Lab Control Sample Dup	Total/NA	Water	1630	4026
500-261306-3 MS	MW-5A_20241209	Dissolved	Water	1630	4026
500-261306-3 MS	MW-5A_20241209	Total/NA	Water	1630	4026
500-261306-3 MSD	MW-5A_20241209	Dissolved	Water	1630	4026
500-261306-3 MSD	MW-5A_20241209	Total/NA	Water	1630	4026

Prep Batch: 4101

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261306-9	MW-5SB_20241209	Dissolved	Water	1630	
500-261306-9	MW-5SB_20241209	Total/NA	Water	1630	
500-261306-11	SMW-1_20241209	Dissolved	Water	1630	
500-261306-11	SMW-1_20241209	Total/NA	Water	1630	
500-261306-13	EB-01-GW_20241209	Total/NA	Water	1630	
MB 350-4101/1-A	Method Blank	Total/NA	Water	1630	
MB 350-4101/2-A	Method Blank	Total/NA	Water	1630	
MB 350-4101/3-A	Method Blank	Total/NA	Water	1630	
LCS 350-4101/4-A	Lab Control Sample	Total/NA	Water	1630	
LCSD 350-4101/5-A	Lab Control Sample Dup	Total/NA	Water	1630	

Metals

Analysis Batch: 4145

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261306-9	MW-5SB_20241209	Dissolved	Water	1630	4101
500-261306-9	MW-5SB_20241209	Total/NA	Water	1630	4101
500-261306-11	SMW-1_20241209	Dissolved	Water	1630	4101
500-261306-11	SMW-1_20241209	Total/NA	Water	1630	4101
500-261306-13	EB-01-GW_20241209	Total/NA	Water	1630	4101
MB 350-4101/1-A	Method Blank	Total/NA	Water	1630	4101
MB 350-4101/2-A	Method Blank	Total/NA	Water	1630	4101
MB 350-4101/3-A	Method Blank	Total/NA	Water	1630	4101
LCS 350-4101/4-A	Lab Control Sample	Total/NA	Water	1630	4101
LCSD 350-4101/5-A	Lab Control Sample Dup	Total/NA	Water	1630	4101

Analysis Batch: 4226

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261306-1	PNC-03_20241209	Dissolved	Water	1631E	
500-261306-1	PNC-03_20241209	Total/NA	Water	1631E	
500-261306-2	PNC-03_20241209_FBLL	Total/NA	Water	1631E	
500-261306-3	MW-5A_20241209	Dissolved	Water	1631E	
500-261306-3	MW-5A_20241209	Total/NA	Water	1631E	
500-261306-4	MW-5A_20241209_FBLL	Total/NA	Water	1631E	
500-261306-5	MW-31_20241209	Dissolved	Water	1631E	
500-261306-5	MW-31_20241209	Total/NA	Water	1631E	
500-261306-6	MW-31_20241209_FBLL	Total/NA	Water	1631E	
500-261306-7	SMW-1SB_20241209	Dissolved	Water	1631E	
500-261306-7	SMW-1SB_20241209	Total/NA	Water	1631E	
500-261306-8	SMW-1SB_20241209_FBLL	Total/NA	Water	1631E	
500-261306-9	MW-5SB_20241209	Dissolved	Water	1631E	
500-261306-9	MW-5SB_20241209	Total/NA	Water	1631E	
500-261306-10	MW-5SB_20241209_FBLL	Total/NA	Water	1631E	
500-261306-11	SMW-1_20241209	Dissolved	Water	1631E	
500-261306-11	SMW-1_20241209	Total/NA	Water	1631E	
500-261306-12	SMW-1_20241209_FBLL	Total/NA	Water	1631E	
500-261306-13	EB-01-GW_20241209	Total/NA	Water	1631E	
500-261306-14	EB-01-GW_20241209-FBLL	Total/NA	Water	1631E	
MB 350-4226/17	Method Blank	Total/NA	Water	1631E	
MB 350-4226/18	Method Blank	Total/NA	Water	1631E	
MB 350-4226/19	Method Blank	Total/NA	Water	1631E	
MB 350-4226/20	Method Blank	Total/NA	Water	1631E	
MB 350-4226/23	Method Blank	Total/NA	Water	1631E	
MB 350-4226/24	Method Blank	Total/NA	Water	1631E	
LCS 350-4226/37	Lab Control Sample	Total/NA	Water	1631E	
LCS 350-4226/43	Lab Control Sample	Total/NA	Water	1631E	
LCSD 350-4226/38	Lab Control Sample Dup	Total/NA	Water	1631E	
LCSD 350-4226/44	Lab Control Sample Dup	Total/NA	Water	1631E	
500-261306-3 MS	MW-5A_20241209	Dissolved	Water	1631E	
500-261306-3 MS	MW-5A_20241209	Total/NA	Water	1631E	
500-261306-3 MSD	MW-5A_20241209	Dissolved	Water	1631E	
500-261306-3 MSD	MW-5A_20241209	Total/NA	Water	1631E	
500-261306-4 MS	MW-5A_20241209_FBLL	Total/NA	Water	1631E	
500-261306-4 MSD	MW-5A_20241209_FBLL	Total/NA	Water	1631E	

Metals

Prep Batch: 4294

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261306-3	MW-5A_20241209	Dissolved	Water	1638	
500-261306-3	MW-5A_20241209	Total Recoverable	Water	1638	
MB 350-4294/1-A	Method Blank	Total Recoverable	Water	1638	
MB 350-4294/2-A	Method Blank	Total Recoverable	Water	1638	
LCS 350-4294/3-A	Lab Control Sample	Total Recoverable	Water	1638	
LCSD 350-4294/4-A	Lab Control Sample Dup	Total Recoverable	Water	1638	
500-261306-3 MS	MW-5A_20241209	Dissolved	Water	1638	
500-261306-3 MS	MW-5A_20241209	Total Recoverable	Water	1638	
500-261306-3 MSD	MW-5A_20241209	Dissolved	Water	1638	
500-261306-3 MSD	MW-5A_20241209	Total Recoverable	Water	1638	

Prep Batch: 4297

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261306-1	PNC-03_20241209	Dissolved	Water	1638	
500-261306-1	PNC-03_20241209	Total Recoverable	Water	1638	
500-261306-5	MW-31_20241209	Dissolved	Water	1638	
500-261306-5	MW-31_20241209	Total Recoverable	Water	1638	
500-261306-7	SMW-1SB_20241209	Dissolved	Water	1638	
500-261306-7	SMW-1SB_20241209	Total Recoverable	Water	1638	
500-261306-9	MW-5SB_20241209	Dissolved	Water	1638	
500-261306-9	MW-5SB_20241209	Total Recoverable	Water	1638	
500-261306-11	SMW-1_20241209	Dissolved	Water	1638	
500-261306-11	SMW-1_20241209	Total Recoverable	Water	1638	
500-261306-13	EB-01-GW_20241209	Total Recoverable	Water	1638	
MB 350-4297/1-A	Method Blank	Total Recoverable	Water	1638	
MB 350-4297/2-A	Method Blank	Total Recoverable	Water	1638	
LCS 350-4297/3-A	Lab Control Sample	Total Recoverable	Water	1638	
LCSD 350-4297/4-A	Lab Control Sample Dup	Total Recoverable	Water	1638	
500-261306-1 MS	PNC-03_20241209	Dissolved	Water	1638	
500-261306-1 MS	PNC-03_20241209	Total Recoverable	Water	1638	
500-261306-1 MSD	PNC-03_20241209	Dissolved	Water	1638	
500-261306-1 MSD	PNC-03_20241209	Total Recoverable	Water	1638	

Analysis Batch: 4338

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261306-1	PNC-03_20241209	Dissolved	Water	1638	4297
500-261306-1	PNC-03_20241209	Total Recoverable	Water	1638	4297
500-261306-3	MW-5A_20241209	Dissolved	Water	1638	4294
500-261306-3	MW-5A_20241209	Total Recoverable	Water	1638	4294
500-261306-5	MW-31_20241209	Dissolved	Water	1638	4297
500-261306-5	MW-31_20241209	Total Recoverable	Water	1638	4297
500-261306-7	SMW-1SB_20241209	Dissolved	Water	1638	4297
500-261306-7	SMW-1SB_20241209	Total Recoverable	Water	1638	4297
500-261306-9	MW-5SB_20241209	Dissolved	Water	1638	4297
500-261306-9	MW-5SB_20241209	Total Recoverable	Water	1638	4297
500-261306-11	SMW-1_20241209	Dissolved	Water	1638	4297
500-261306-11	SMW-1_20241209	Total Recoverable	Water	1638	4297
500-261306-13	EB-01-GW_20241209	Total Recoverable	Water	1638	4297
MB 350-4294/1-A	Method Blank	Total Recoverable	Water	1638	4294
MB 350-4294/2-A	Method Blank	Total Recoverable	Water	1638	4294
MB 350-4297/1-A	Method Blank	Total Recoverable	Water	1638	4297

Metals (Continued)

Analysis Batch: 4338 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 350-4297/2-A	Method Blank	Total Recoverable	Water	1638	4297
LCS 350-4294/3-A	Lab Control Sample	Total Recoverable	Water	1638	4294
LCS 350-4297/3-A	Lab Control Sample	Total Recoverable	Water	1638	4297
LCSD 350-4294/4-A	Lab Control Sample Dup	Total Recoverable	Water	1638	4294
LCSD 350-4297/4-A	Lab Control Sample Dup	Total Recoverable	Water	1638	4297
500-261306-1 MS	PNC-03_20241209	Dissolved	Water	1638	4297
500-261306-1 MS	PNC-03_20241209	Total Recoverable	Water	1638	4297
500-261306-1 MSD	PNC-03_20241209	Dissolved	Water	1638	4297
500-261306-1 MSD	PNC-03_20241209	Total Recoverable	Water	1638	4297
500-261306-3 MS	MW-5A_20241209	Dissolved	Water	1638	4294
500-261306-3 MS	MW-5A_20241209	Total Recoverable	Water	1638	4294
500-261306-3 MSD	MW-5A_20241209	Dissolved	Water	1638	4294
500-261306-3 MSD	MW-5A_20241209	Total Recoverable	Water	1638	4294

Prep Batch: 799996

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261306-1	PNC-03_20241209	Total Recoverable	Water	3005A	
500-261306-5	MW-31_20241209	Total Recoverable	Water	3005A	
MB 500-799996/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 500-799996/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Prep Batch: 800001

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261306-1	PNC-03_20241209	Dissolved	Water	3005A	
500-261306-3	MW-5A_20241209	Dissolved	Water	3005A	
500-261306-3	MW-5A_20241209	Total Recoverable	Water	3005A	
500-261306-5	MW-31_20241209	Dissolved	Water	3005A	
500-261306-7	SMW-1SB_20241209	Dissolved	Water	3005A	
500-261306-7	SMW-1SB_20241209	Total Recoverable	Water	3005A	
500-261306-9	MW-5SB_20241209	Dissolved	Water	3005A	
500-261306-9	MW-5SB_20241209	Total Recoverable	Water	3005A	
500-261306-11	SMW-1_20241209	Dissolved	Water	3005A	
500-261306-11	SMW-1_20241209	Total Recoverable	Water	3005A	
500-261306-13	EB-01-GW_20241209	Total Recoverable	Water	3005A	
MB 500-800001/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 500-800001/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
500-261306-3 MS	MW-5A_20241209	Dissolved	Water	3005A	
500-261306-3 MS	MW-5A_20241209	Total Recoverable	Water	3005A	
500-261306-3 MSD	MW-5A_20241209	Dissolved	Water	3005A	
500-261306-3 MSD	MW-5A_20241209	Total Recoverable	Water	3005A	
500-261306-3 DU	MW-5A_20241209	Dissolved	Water	3005A	
500-261306-3 DU	MW-5A_20241209	Total Recoverable	Water	3005A	

Analysis Batch: 800544

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261306-1	PNC-03_20241209	Total Recoverable	Water	6020B	799996
500-261306-5	MW-31_20241209	Total Recoverable	Water	6020B	799996
MB 500-799996/1-A	Method Blank	Total Recoverable	Water	6020B	799996
LCS 500-799996/2-A	Lab Control Sample	Total Recoverable	Water	6020B	799996

Metals

Analysis Batch: 800560

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261306-1	PNC-03_20241209	Total Recoverable	Water	SM 2340B	799996
500-261306-3	MW-5A_20241209	Total Recoverable	Water	SM 2340B	800001
500-261306-5	MW-31_20241209	Total Recoverable	Water	SM 2340B	799996
500-261306-7	SMW-1SB_20241209	Total Recoverable	Water	SM 2340B	800001
500-261306-9	MW-5SB_20241209	Total Recoverable	Water	SM 2340B	800001
500-261306-11	SMW-1_20241209	Total Recoverable	Water	SM 2340B	800001
500-261306-13	EB-01-GW_20241209	Total Recoverable	Water	SM 2340B	800001

Analysis Batch: 800626

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261306-1	PNC-03_20241209	Total Recoverable	Water	6020B	799996
500-261306-5	MW-31_20241209	Total Recoverable	Water	6020B	799996

Analysis Batch: 801552

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261306-1	PNC-03_20241209	Dissolved	Water	6020B	800001
500-261306-3	MW-5A_20241209	Dissolved	Water	6020B	800001
500-261306-3	MW-5A_20241209	Total Recoverable	Water	6020B	800001
500-261306-5	MW-31_20241209	Dissolved	Water	6020B	800001
500-261306-7	SMW-1SB_20241209	Dissolved	Water	6020B	800001
500-261306-7	SMW-1SB_20241209	Total Recoverable	Water	6020B	800001
500-261306-9	MW-5SB_20241209	Dissolved	Water	6020B	800001
500-261306-9	MW-5SB_20241209	Total Recoverable	Water	6020B	800001
500-261306-11	SMW-1_20241209	Dissolved	Water	6020B	800001
500-261306-11	SMW-1_20241209	Total Recoverable	Water	6020B	800001
500-261306-13	EB-01-GW_20241209	Total Recoverable	Water	6020B	800001
MB 500-800001/1-A	Method Blank	Total Recoverable	Water	6020B	800001
LCS 500-800001/2-A	Lab Control Sample	Total Recoverable	Water	6020B	800001
500-261306-3 MS	MW-5A_20241209	Dissolved	Water	6020B	800001
500-261306-3 MS	MW-5A_20241209	Total Recoverable	Water	6020B	800001
500-261306-3 MSD	MW-5A_20241209	Dissolved	Water	6020B	800001
500-261306-3 MSD	MW-5A_20241209	Total Recoverable	Water	6020B	800001
500-261306-3 DU	MW-5A_20241209	Dissolved	Water	6020B	800001
500-261306-3 DU	MW-5A_20241209	Total Recoverable	Water	6020B	800001

Analysis Batch: 801728

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261306-3	MW-5A_20241209	Dissolved	Water	6020B	800001
500-261306-5	MW-31_20241209	Dissolved	Water	6020B	800001
500-261306-7	SMW-1SB_20241209	Dissolved	Water	6020B	800001
500-261306-7	SMW-1SB_20241209	Total Recoverable	Water	6020B	800001
500-261306-9	MW-5SB_20241209	Dissolved	Water	6020B	800001
500-261306-11	SMW-1_20241209	Dissolved	Water	6020B	800001
MB 500-800001/1-A	Method Blank	Total Recoverable	Water	6020B	800001
LCS 500-800001/2-A	Lab Control Sample	Total Recoverable	Water	6020B	800001
500-261306-3 MS	MW-5A_20241209	Dissolved	Water	6020B	800001
500-261306-3 MSD	MW-5A_20241209	Dissolved	Water	6020B	800001
500-261306-3 DU	MW-5A_20241209	Dissolved	Water	6020B	800001

General Chemistry

Analysis Batch: 798941

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261306-1	PNC-03_20241209	Total/NA	Water	300.0	
500-261306-3	MW-5A_20241209	Total/NA	Water	300.0	
500-261306-5	MW-31_20241209	Total/NA	Water	300.0	
500-261306-7	SMW-1SB_20241209	Total/NA	Water	300.0	
500-261306-9	MW-5SB_20241209	Total/NA	Water	300.0	
500-261306-11	SMW-1_20241209	Total/NA	Water	300.0	
500-261306-13	EB-01-GW_20241209	Total/NA	Water	300.0	
MB 500-798941/3	Method Blank	Total/NA	Water	300.0	
LCS 500-798941/4	Lab Control Sample	Total/NA	Water	300.0	
500-261306-3 MS	MW-5A_20241209	Total/NA	Water	300.0	
500-261306-3 MSD	MW-5A_20241209	Total/NA	Water	300.0	

Analysis Batch: 798942

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261306-1	PNC-03_20241209	Total/NA	Water	300.0	
500-261306-3	MW-5A_20241209	Total/NA	Water	300.0	
500-261306-5	MW-31_20241209	Total/NA	Water	300.0	
500-261306-7	SMW-1SB_20241209	Total/NA	Water	300.0	
500-261306-9	MW-5SB_20241209	Total/NA	Water	300.0	
500-261306-11	SMW-1_20241209	Total/NA	Water	300.0	
500-261306-13	EB-01-GW_20241209	Total/NA	Water	300.0	
MB 500-798942/3	Method Blank	Total/NA	Water	300.0	
LCS 500-798942/4	Lab Control Sample	Total/NA	Water	300.0	
500-261306-3 MS	MW-5A_20241209	Total/NA	Water	300.0	
500-261306-3 MSD	MW-5A_20241209	Total/NA	Water	300.0	

Analysis Batch: 799049

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261306-1	PNC-03_20241209	Total/NA	Water	SM 2540C	
500-261306-3	MW-5A_20241209	Total/NA	Water	SM 2540C	
500-261306-5	MW-31_20241209	Total/NA	Water	SM 2540C	
500-261306-7	SMW-1SB_20241209	Total/NA	Water	SM 2540C	
500-261306-9	MW-5SB_20241209	Total/NA	Water	SM 2540C	
500-261306-11	SMW-1_20241209	Total/NA	Water	SM 2540C	
500-261306-13	EB-01-GW_20241209	Total/NA	Water	SM 2540C	
MB 500-799049/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-799049/2	Lab Control Sample	Total/NA	Water	SM 2540C	
500-261306-3 MS	MW-5A_20241209	Total/NA	Water	SM 2540C	
500-261306-3 MSD	MW-5A_20241209	Total/NA	Water	SM 2540C	
500-261306-5 DU	MW-31_20241209	Total/NA	Water	SM 2540C	

Analysis Batch: 799052

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261306-1	PNC-03_20241209	Total/NA	Water	SM 4500 S2 F	
500-261306-3	MW-5A_20241209	Total/NA	Water	SM 4500 S2 F	
MB 500-799052/1	Method Blank	Total/NA	Water	SM 4500 S2 F	
LCS 500-799052/2	Lab Control Sample	Total/NA	Water	SM 4500 S2 F	
500-261306-3 MS	MW-5A_20241209	Total/NA	Water	SM 4500 S2 F	
500-261306-3 MSD	MW-5A_20241209	Total/NA	Water	SM 4500 S2 F	

General Chemistry

Prep Batch: 799160

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261306-1	PNC-03_20241209	Total/NA	Water	Distill/CN	
500-261306-3	MW-5A_20241209	Total/NA	Water	Distill/CN	
500-261306-5	MW-31_20241209	Total/NA	Water	Distill/CN	
500-261306-7	SMW-1SB_20241209	Total/NA	Water	Distill/CN	
500-261306-9	MW-5SB_20241209	Total/NA	Water	Distill/CN	
500-261306-11	SMW-1_20241209	Total/NA	Water	Distill/CN	
500-261306-13	EB-01-GW_20241209	Total/NA	Water	Distill/CN	
MB 500-799160/1-A	Method Blank	Total/NA	Water	Distill/CN	
LCS 500-799160/2-A	Lab Control Sample	Total/NA	Water	Distill/CN	
500-261306-3 MS	MW-5A_20241209	Total/NA	Water	Distill/CN	
500-261306-3 MSD	MW-5A_20241209	Total/NA	Water	Distill/CN	

Analysis Batch: 799179

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261306-3	MW-5A_20241209	Total/NA	Water	300.0	
500-261306-5	MW-31_20241209	Total/NA	Water	300.0	
500-261306-9	MW-5SB_20241209	Total/NA	Water	300.0	
MB 500-799179/3	Method Blank	Total/NA	Water	300.0	
LCS 500-799179/4	Lab Control Sample	Total/NA	Water	300.0	
500-261306-3 MS	MW-5A_20241209	Total/NA	Water	300.0	
500-261306-3 MSD	MW-5A_20241209	Total/NA	Water	300.0	

Analysis Batch: 799205

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261306-1	PNC-03_20241209	Total/NA	Water	335.4	799160
500-261306-3	MW-5A_20241209	Total/NA	Water	335.4	799160
500-261306-5	MW-31_20241209	Total/NA	Water	335.4	799160
500-261306-7	SMW-1SB_20241209	Total/NA	Water	335.4	799160
500-261306-9	MW-5SB_20241209	Total/NA	Water	335.4	799160
500-261306-11	SMW-1_20241209	Total/NA	Water	335.4	799160
500-261306-13	EB-01-GW_20241209	Total/NA	Water	335.4	799160
MB 500-799160/1-A	Method Blank	Total/NA	Water	335.4	799160
LCS 500-799160/2-A	Lab Control Sample	Total/NA	Water	335.4	799160
500-261306-3 MS	MW-5A_20241209	Total/NA	Water	335.4	799160
500-261306-3 MSD	MW-5A_20241209	Total/NA	Water	335.4	799160

Analysis Batch: 799346

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261306-1	PNC-03_20241209	Total/NA	Water	SM 2540D	
500-261306-3	MW-5A_20241209	Total/NA	Water	SM 2540D	
500-261306-5	MW-31_20241209	Total/NA	Water	SM 2540D	
500-261306-7	SMW-1SB_20241209	Total/NA	Water	SM 2540D	
500-261306-9	MW-5SB_20241209	Total/NA	Water	SM 2540D	
500-261306-11	SMW-1_20241209	Total/NA	Water	SM 2540D	
500-261306-13	EB-01-GW_20241209	Total/NA	Water	SM 2540D	
MB 500-799346/1	Method Blank	Total/NA	Water	SM 2540D	
LCS 500-799346/2	Lab Control Sample	Total/NA	Water	SM 2540D	
500-261306-3 MS	MW-5A_20241209	Total/NA	Water	SM 2540D	
500-261306-3 MSD	MW-5A_20241209	Total/NA	Water	SM 2540D	

General Chemistry

Analysis Batch: 799488

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261306-5	MW-31_20241209	Total/NA	Water	SM 4500 S2 F	
500-261306-7	SMW-1SB_20241209	Total/NA	Water	SM 4500 S2 F	
500-261306-9	MW-5SB_20241209	Total/NA	Water	SM 4500 S2 F	
500-261306-11	SMW-1_20241209	Total/NA	Water	SM 4500 S2 F	
500-261306-13	EB-01-GW_20241209	Total/NA	Water	SM 4500 S2 F	
MB 500-799488/1	Method Blank	Total/NA	Water	SM 4500 S2 F	
LCS 500-799488/2	Lab Control Sample	Total/NA	Water	SM 4500 S2 F	

Prep Batch: 799544

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261306-1	PNC-03_20241209	Total/NA	Water	365.2/365.3/365	
500-261306-3	MW-5A_20241209	Total/NA	Water	365.2/365.3/365	
500-261306-5	MW-31_20241209	Total/NA	Water	365.2/365.3/365	
500-261306-7	SMW-1SB_20241209	Total/NA	Water	365.2/365.3/365	
500-261306-9	MW-5SB_20241209	Total/NA	Water	365.2/365.3/365	
500-261306-11	SMW-1_20241209	Total/NA	Water	365.2/365.3/365	
500-261306-13	EB-01-GW_20241209	Total/NA	Water	365.2/365.3/365	
MB 500-799544/1-A	Method Blank	Total/NA	Water	365.2/365.3/365	
LCS 500-799544/2-A	Lab Control Sample	Total/NA	Water	365.2/365.3/365	
500-261306-3 MS	MW-5A_20241209	Total/NA	Water	365.2/365.3/365	
500-261306-3 MSD	MW-5A_20241209	Total/NA	Water	365.2/365.3/365	

Analysis Batch: 799707

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261306-1	PNC-03_20241209	Total/NA	Water	SM 2320B	
500-261306-3	MW-5A_20241209	Total/NA	Water	SM 2320B	
500-261306-5	MW-31_20241209	Total/NA	Water	SM 2320B	
500-261306-7	SMW-1SB_20241209	Total/NA	Water	SM 2320B	
500-261306-9	MW-5SB_20241209	Total/NA	Water	SM 2320B	
500-261306-11	SMW-1_20241209	Total/NA	Water	SM 2320B	
500-261306-13	EB-01-GW_20241209	Total/NA	Water	SM 2320B	
MB 500-799707/28	Method Blank	Total/NA	Water	SM 2320B	
LCS 500-799707/29	Lab Control Sample	Total/NA	Water	SM 2320B	

Analysis Batch: 800190

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261306-1	PNC-03_20241209	Total/NA	Water	365.1	799544
500-261306-3	MW-5A_20241209	Total/NA	Water	365.1	799544
500-261306-5	MW-31_20241209	Total/NA	Water	365.1	799544
500-261306-7	SMW-1SB_20241209	Total/NA	Water	365.1	799544
500-261306-9	MW-5SB_20241209	Total/NA	Water	365.1	799544
500-261306-11	SMW-1_20241209	Total/NA	Water	365.1	799544
500-261306-13	EB-01-GW_20241209	Total/NA	Water	365.1	799544
MB 500-799544/1-A	Method Blank	Total/NA	Water	365.1	799544
LCS 500-799544/2-A	Lab Control Sample	Total/NA	Water	365.1	799544
500-261306-3 MS	MW-5A_20241209	Total/NA	Water	365.1	799544
500-261306-3 MSD	MW-5A_20241209	Total/NA	Water	365.1	799544

Analysis Batch: 800212

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261306-1	PNC-03_20241209	Total/NA	Water	SM 5310C	

General Chemistry (Continued)

Analysis Batch: 800212 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261306-3	MW-5A_20241209	Total/NA	Water	SM 5310C	
500-261306-5	MW-31_20241209	Total/NA	Water	SM 5310C	
500-261306-7	SMW-1SB_20241209	Total/NA	Water	SM 5310C	
500-261306-9	MW-5SB_20241209	Total/NA	Water	SM 5310C	
500-261306-11	SMW-1_20241209	Total/NA	Water	SM 5310C	
MB 500-800212/11	Method Blank	Total/NA	Water	SM 5310C	
LCS 500-800212/12	Lab Control Sample	Total/NA	Water	SM 5310C	
500-261306-3 MS	MW-5A_20241209	Total/NA	Water	SM 5310C	
500-261306-3 MSD	MW-5A_20241209	Total/NA	Water	SM 5310C	

Analysis Batch: 800476

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261306-1	PNC-03_20241209	Total/NA	Water	SM 2520B	
500-261306-3	MW-5A_20241209	Total/NA	Water	SM 2520B	
500-261306-5	MW-31_20241209	Total/NA	Water	SM 2520B	
500-261306-5 DU	MW-31_20241209	Total/NA	Water	SM 2520B	

Prep Batch: 800886

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261306-1	PNC-03_20241209	Total/NA	Water	Distill/Ammonia	
500-261306-3	MW-5A_20241209	Total/NA	Water	Distill/Ammonia	
500-261306-5	MW-31_20241209	Total/NA	Water	Distill/Ammonia	
500-261306-7	SMW-1SB_20241209	Total/NA	Water	Distill/Ammonia	
500-261306-9	MW-5SB_20241209	Total/NA	Water	Distill/Ammonia	
500-261306-11	SMW-1_20241209	Total/NA	Water	Distill/Ammonia	
500-261306-13	EB-01-GW_20241209	Total/NA	Water	Distill/Ammonia	
MB 500-800886/1-A	Method Blank	Total/NA	Water	Distill/Ammonia	
LCS 500-800886/2-A	Lab Control Sample	Total/NA	Water	Distill/Ammonia	
500-261306-3 MS	MW-5A_20241209	Total/NA	Water	Distill/Ammonia	
500-261306-3 MSD	MW-5A_20241209	Total/NA	Water	Distill/Ammonia	

Analysis Batch: 800975

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261306-1	PNC-03_20241209	Total/NA	Water	350.1	800886
500-261306-3	MW-5A_20241209	Total/NA	Water	350.1	800886
500-261306-5	MW-31_20241209	Total/NA	Water	350.1	800886
500-261306-7	SMW-1SB_20241209	Total/NA	Water	350.1	800886
500-261306-9	MW-5SB_20241209	Total/NA	Water	350.1	800886
500-261306-11	SMW-1_20241209	Total/NA	Water	350.1	800886
500-261306-13	EB-01-GW_20241209	Total/NA	Water	350.1	800886
MB 500-800886/1-A	Method Blank	Total/NA	Water	350.1	800886
LCS 500-800886/2-A	Lab Control Sample	Total/NA	Water	350.1	800886
500-261306-3 MS	MW-5A_20241209	Total/NA	Water	350.1	800886
500-261306-3 MSD	MW-5A_20241209	Total/NA	Water	350.1	800886

Analysis Batch: 800995

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261306-1	PNC-03_20241209	Dissolved	Water	SM 5310C	
500-261306-3	MW-5A_20241209	Dissolved	Water	SM 5310C	
500-261306-5	MW-31_20241209	Dissolved	Water	SM 5310C	
500-261306-7	SMW-1SB_20241209	Dissolved	Water	SM 5310C	

General Chemistry (Continued)

Analysis Batch: 800995 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261306-9	MW-5SB_20241209	Dissolved	Water	SM 5310C	
500-261306-11	SMW-1_20241209	Dissolved	Water	SM 5310C	
MB 500-800995/7	Method Blank	Dissolved	Water	SM 5310C	
LCS 500-800995/8	Lab Control Sample	Dissolved	Water	SM 5310C	
500-261306-3 MS	MW-5A_20241209	Dissolved	Water	SM 5310C	
500-261306-3 MSD	MW-5A_20241209	Dissolved	Water	SM 5310C	

Analysis Batch: 801731

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261306-7	SMW-1SB_20241209	Total/NA	Water	SM 2520B	
500-261306-9	MW-5SB_20241209	Total/NA	Water	SM 2520B	
500-261306-11	SMW-1_20241209	Total/NA	Water	SM 2520B	
500-261306-13	EB-01-GW_20241209	Total/NA	Water	SM 2520B	
500-261306-7 DU	SMW-1SB_20241209	Total/NA	Water	SM 2520B	

Analysis Batch: 801887

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261306-13	EB-01-GW_20241209	Total/NA	Water	SM 5310C	
MB 500-801887/7	Method Blank	Total/NA	Water	SM 5310C	
LCS 500-801887/8	Lab Control Sample	Total/NA	Water	SM 5310C	

Method: 1630 - Methyl Mercury

Lab Sample ID: MB 350-4026/1-A
Matrix: Water
Analysis Batch: 4067

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 4026

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		12/20/24 11:36	12/20/24 16:52	1

Lab Sample ID: MB 350-4026/2-A
Matrix: Water
Analysis Batch: 4067

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 4026

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		12/20/24 11:36	12/20/24 17:03	1

Lab Sample ID: MB 350-4026/3-A
Matrix: Water
Analysis Batch: 4067

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 4026

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		12/20/24 11:36	12/20/24 17:13	1

Lab Sample ID: LCS 350-4026/4-A
Matrix: Water
Analysis Batch: 4067

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 4026

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Methyl Mercury			1.00	0.843		ng/L		84	65 - 135		

Lab Sample ID: LCSD 350-4026/5-A
Matrix: Water
Analysis Batch: 4067

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 4026

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Methyl Mercury			1.00	1.05		ng/L		105	65 - 135	22	35

Lab Sample ID: 500-261306-3 MS
Matrix: Water
Analysis Batch: 4067

Client Sample ID: MW-5A_20241209
Prep Type: Total/NA
Prep Batch: 4026

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Methyl Mercury	0.028	J	1.00	0.966		ng/L		94	65 - 135		

Lab Sample ID: 500-261306-3 MSD
Matrix: Water
Analysis Batch: 4067

Client Sample ID: MW-5A_20241209
Prep Type: Total/NA
Prep Batch: 4026

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Methyl Mercury	0.028	J	1.00	1.13		ng/L		110	65 - 135	15	35

Lab Sample ID: MB 350-4101/1-A
Matrix: Water
Analysis Batch: 4145

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 4101

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		12/26/24 12:35	12/26/24 16:34	1

Method: 1630 - Methyl Mercury

Lab Sample ID: MB 350-4101/2-A
Matrix: Water
Analysis Batch: 4145

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 4101

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		12/26/24 12:35	12/26/24 16:44	1

Lab Sample ID: MB 350-4101/3-A
Matrix: Water
Analysis Batch: 4145

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 4101

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		12/26/24 12:35	12/26/24 16:54	1

Lab Sample ID: LCS 350-4101/4-A
Matrix: Water
Analysis Batch: 4145

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 4101

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Methyl Mercury			1.00	0.685		ng/L		69	65 - 135		

Lab Sample ID: LCSD 350-4101/5-A
Matrix: Water
Analysis Batch: 4145

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 4101

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Methyl Mercury			1.00	0.913		ng/L		91	65 - 135	29	35

Lab Sample ID: 500-261306-3 MS
Matrix: Water
Analysis Batch: 4067

Client Sample ID: MW-5A_20241209
Prep Type: Dissolved
Prep Batch: 4026

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Methyl Mercury	0.022	J	1.00	1.08		ng/L		108	65 - 135		

Lab Sample ID: 500-261306-3 MSD
Matrix: Water
Analysis Batch: 4067

Client Sample ID: MW-5A_20241209
Prep Type: Dissolved
Prep Batch: 4026

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Methyl Mercury	0.022	J	1.00	0.889		ng/L		89	65 - 135	19	35

Method: 1631E - Mercury, Low Level (CVAFS)

Lab Sample ID: MB 350-4226/17
Matrix: Water
Analysis Batch: 4226

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			12/30/24 12:47	1

Method: 1631E - Mercury, Low Level (CVAFS) (Continued)

Lab Sample ID: MB 350-4226/18
Matrix: Water
Analysis Batch: 4226

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			12/30/24 12:51	1

Lab Sample ID: MB 350-4226/19
Matrix: Water
Analysis Batch: 4226

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			12/30/24 12:55	1

Lab Sample ID: MB 350-4226/20
Matrix: Water
Analysis Batch: 4226

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			12/30/24 12:59	1

Lab Sample ID: MB 350-4226/23
Matrix: Water
Analysis Batch: 4226

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			12/30/24 13:11	1

Lab Sample ID: MB 350-4226/24
Matrix: Water
Analysis Batch: 4226

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			12/30/24 13:16	1

Lab Sample ID: LCS 350-4226/37
Matrix: Water
Analysis Batch: 4226

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	5.00	4.55		ng/L		91	77 - 123

Lab Sample ID: LCS 350-4226/43
Matrix: Water
Analysis Batch: 4226

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	5.00	4.46		ng/L		89	77 - 123

Lab Sample ID: LCSD 350-4226/38
Matrix: Water
Analysis Batch: 4226

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	5.00	4.58		ng/L		92	77 - 123	1	24

Method: 1631E - Mercury, Low Level (CVAFS)

Lab Sample ID: LCSD 350-4226/44
Matrix: Water
Analysis Batch: 4226

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury			5.00	4.53		ng/L		91	77 - 123	2	24

Lab Sample ID: 500-261306-3 MS
Matrix: Water
Analysis Batch: 4226

Client Sample ID: MW-5A_20241209
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.44	J	4.00	5.07		ng/L		116	71 - 125

Lab Sample ID: 500-261306-3 MSD
Matrix: Water
Analysis Batch: 4226

Client Sample ID: MW-5A_20241209
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	0.44	J	4.00	5.34		ng/L		122	71 - 125	5	24

Lab Sample ID: 500-261306-4 MS
Matrix: Water
Analysis Batch: 4226

Client Sample ID: MW-5A_20241209_FBLL
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	FB Result	FB Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	<0.20		4.00	4.14		ng/L		103	71 - 125

Lab Sample ID: 500-261306-4 MSD
Matrix: Water
Analysis Batch: 4226

Client Sample ID: MW-5A_20241209_FBLL
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	FB Result	FB Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	<0.20		4.00	4.34		ng/L		109	71 - 125	5	24

Lab Sample ID: 500-261306-3 MS
Matrix: Water
Analysis Batch: 4226

Client Sample ID: MW-5A_20241209
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.65		4.00	4.89		ng/L		106	71 - 125

Lab Sample ID: 500-261306-3 MSD
Matrix: Water
Analysis Batch: 4226

Client Sample ID: MW-5A_20241209
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	0.65		4.00	4.96		ng/L		108	71 - 125	1	24

Method: 1638 - Metals (ICP/MS)

Lab Sample ID: MB 350-4294/1-A
Matrix: Water
Analysis Batch: 4338

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 4294

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	<0.0098		0.050	0.0098	ug/L		01/06/25 13:37	01/07/25 13:54	1

Lab Sample ID: MB 350-4294/2-A
Matrix: Water
Analysis Batch: 4338

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 4294

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	0.0221	J	0.050	0.0098	ug/L		01/06/25 13:37	01/07/25 13:05	1

Lab Sample ID: LCS 350-4294/3-A
Matrix: Water
Analysis Batch: 4338

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 4294

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Uranium	25.0	23.3		ug/L		93	85 - 115

Lab Sample ID: LCSD 350-4294/4-A
Matrix: Water
Analysis Batch: 4338

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 4294

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Uranium	25.0	23.6		ug/L		95	85 - 115	1	20

Lab Sample ID: 500-261306-3 MS
Matrix: Water
Analysis Batch: 4338

Client Sample ID: MW-5A_20241209
Prep Type: Total Recoverable
Prep Batch: 4294

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Uranium	8.8	B	25.0	32.8		ug/L		96	70 - 130

Lab Sample ID: 500-261306-3 MSD
Matrix: Water
Analysis Batch: 4338

Client Sample ID: MW-5A_20241209
Prep Type: Total Recoverable
Prep Batch: 4294

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Uranium	8.8	B	25.0	32.8		ug/L		96	70 - 130	0	20

Lab Sample ID: MB 350-4297/1-A
Matrix: Water
Analysis Batch: 4338

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 4297

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	<0.0098		0.050	0.0098	ug/L		01/06/25 13:37	01/07/25 15:10	1

Lab Sample ID: MB 350-4297/2-A
Matrix: Water
Analysis Batch: 4338

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 4297

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	<0.0098		0.050	0.0098	ug/L		01/06/25 13:37	01/07/25 15:14	1

Method: 1638 - Metals (ICP/MS)

Lab Sample ID: LCS 350-4297/3-A
Matrix: Water
Analysis Batch: 4338

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 4297

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Uranium			25.0	23.9		ug/L		96	85 - 115		

Lab Sample ID: LCSD 350-4297/4-A
Matrix: Water
Analysis Batch: 4338

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 4297

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Uranium			25.0	24.1		ug/L		96	85 - 115	1	20

Lab Sample ID: 500-261306-1 MS
Matrix: Water
Analysis Batch: 4338

Client Sample ID: PNC-03_20241209
Prep Type: Total Recoverable
Prep Batch: 4297

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Uranium	0.33		25.0	24.6		ug/L		97	70 - 130		

Lab Sample ID: 500-261306-1 MSD
Matrix: Water
Analysis Batch: 4338

Client Sample ID: PNC-03_20241209
Prep Type: Total Recoverable
Prep Batch: 4297

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Uranium	0.33		25.0	24.7		ug/L		98	70 - 130	1	20

Lab Sample ID: 500-261306-3 MS
Matrix: Water
Analysis Batch: 4338

Client Sample ID: MW-5A_20241209
Prep Type: Dissolved
Prep Batch: 4294

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Uranium	7.9	B	25.0	32.9		ug/L		100	70 - 130		

Lab Sample ID: 500-261306-3 MSD
Matrix: Water
Analysis Batch: 4338

Client Sample ID: MW-5A_20241209
Prep Type: Dissolved
Prep Batch: 4294

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Uranium	7.9	B	25.0	32.8		ug/L		100	70 - 130	0	20

Lab Sample ID: 500-261306-1 MS
Matrix: Water
Analysis Batch: 4338

Client Sample ID: PNC-03_20241209
Prep Type: Dissolved
Prep Batch: 4297

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Uranium	0.32		25.0	24.9		ug/L		98	70 - 130		

Lab Sample ID: 500-261306-1 MSD
Matrix: Water
Analysis Batch: 4338

Client Sample ID: PNC-03_20241209
Prep Type: Dissolved
Prep Batch: 4297

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Uranium	0.32		25.0	25.4		ug/L		100	70 - 130	2	20

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 500-799996/1-A
Matrix: Water
Analysis Batch: 800544

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 799996

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<25		100	25	ug/L		12/18/24 15:55	12/20/24 18:28	1
Antimony	1.60	J	3.0	1.3	ug/L		12/18/24 15:55	12/20/24 18:28	1
Arsenic	<0.23		1.0	0.23	ug/L		12/18/24 15:55	12/20/24 18:28	1
Barium	<0.73		2.5	0.73	ug/L		12/18/24 15:55	12/20/24 18:28	1
Beryllium	<0.53		1.0	0.53	ug/L		12/18/24 15:55	12/20/24 18:28	1
Boron	13.3	J	50	13	ug/L		12/18/24 15:55	12/20/24 18:28	1
Cadmium	<0.17		0.50	0.17	ug/L		12/18/24 15:55	12/20/24 18:28	1
Calcium	<44		200	44	ug/L		12/18/24 15:55	12/20/24 18:28	1
Chromium	<1.1		5.0	1.1	ug/L		12/18/24 15:55	12/20/24 18:28	1
Cobalt	<0.40		1.0	0.40	ug/L		12/18/24 15:55	12/20/24 18:28	1
Copper	<0.50		2.0	0.50	ug/L		12/18/24 15:55	12/20/24 18:28	1
Iron	<47		100	47	ug/L		12/18/24 15:55	12/20/24 18:28	1
Lead	<0.19		0.50	0.19	ug/L		12/18/24 15:55	12/20/24 18:28	1
Lithium	<2.5		10	2.5	ug/L		12/18/24 15:55	12/20/24 18:28	1
Magnesium	<49		200	49	ug/L		12/18/24 15:55	12/20/24 18:28	1
Manganese	<0.79		2.5	0.79	ug/L		12/18/24 15:55	12/20/24 18:28	1
Molybdenum	<2.5		5.0	2.5	ug/L		12/18/24 15:55	12/20/24 18:28	1
Nickel	<0.63		2.0	0.63	ug/L		12/18/24 15:55	12/20/24 18:28	1
Potassium	<110		500	110	ug/L		12/18/24 15:55	12/20/24 18:28	1
Selenium	<0.98		2.5	0.98	ug/L		12/18/24 15:55	12/20/24 18:28	1
Silver	<0.12		0.50	0.12	ug/L		12/18/24 15:55	12/20/24 18:28	1
Sodium	<77		200	77	ug/L		12/18/24 15:55	12/20/24 18:28	1
Strontium	<0.64		4.0	0.64	ug/L		12/18/24 15:55	12/20/24 18:28	1
Thallium	<0.57		2.0	0.57	ug/L		12/18/24 15:55	12/20/24 18:28	1
Tin	<1.3		5.0	1.3	ug/L		12/18/24 15:55	12/20/24 18:28	1
Vanadium	<2.2		5.0	2.2	ug/L		12/18/24 15:55	12/20/24 18:28	1
Zinc	<6.9		20	6.9	ug/L		12/18/24 15:55	12/20/24 18:28	1

Lab Sample ID: LCS 500-799996/2-A
Matrix: Water
Analysis Batch: 800544

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 799996

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	2000	1920		ug/L		96	80 - 120
Antimony	500	516		ug/L		103	80 - 120
Arsenic	100	97.5		ug/L		97	80 - 120
Barium	500	502		ug/L		100	80 - 120
Beryllium	50.0	48.9		ug/L		98	80 - 120
Boron	1000	948		ug/L		95	80 - 120
Cadmium	50.0	50.2		ug/L		100	80 - 120
Calcium	10000	8120		ug/L		81	80 - 120
Chromium	200	197		ug/L		98	80 - 120
Cobalt	500	527		ug/L		105	80 - 120
Copper	250	251		ug/L		100	80 - 120
Iron	1000	1050		ug/L		105	80 - 120
Lead	100	98.3		ug/L		98	80 - 120
Lithium	100	99.5		ug/L		99	80 - 120
Magnesium	10000	10200		ug/L		102	80 - 120
Manganese	500	506		ug/L		101	80 - 120

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 500-799996/2-A
Matrix: Water
Analysis Batch: 800544

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 799996

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Molybdenum	1000	969		ug/L		97	80 - 120
Nickel	500	501		ug/L		100	80 - 120
Potassium	10000	10300		ug/L		103	80 - 120
Selenium	100	94.8		ug/L		95	80 - 120
Silver	50.0	50.1		ug/L		100	80 - 120
Sodium	10000	10000		ug/L		100	80 - 120
Strontium	1000	975		ug/L		98	80 - 120
Thallium	100	100		ug/L		100	80 - 120
Tin	1000	1000		ug/L		100	80 - 120
Vanadium	500	500		ug/L		100	80 - 120
Zinc	500	498		ug/L		100	80 - 120

Lab Sample ID: MB 500-800001/1-A
Matrix: Water
Analysis Batch: 801552

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 800001

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<25		100	25	ug/L		12/18/24 16:06	01/02/25 17:58	1
Antimony	<1.3		3.0	1.3	ug/L		12/18/24 16:06	01/02/25 17:58	1
Arsenic	<0.23		1.0	0.23	ug/L		12/18/24 16:06	01/02/25 17:58	1
Barium	<0.73		2.5	0.73	ug/L		12/18/24 16:06	01/02/25 17:58	1
Beryllium	<0.53		1.0	0.53	ug/L		12/18/24 16:06	01/02/25 17:58	1
Cadmium	<0.17		0.50	0.17	ug/L		12/18/24 16:06	01/02/25 17:58	1
Calcium	<44		200	44	ug/L		12/18/24 16:06	01/02/25 17:58	1
Chromium	<1.1		5.0	1.1	ug/L		12/18/24 16:06	01/02/25 17:58	1
Cobalt	<0.40		1.0	0.40	ug/L		12/18/24 16:06	01/02/25 17:58	1
Copper	<0.50		2.0	0.50	ug/L		12/18/24 16:06	01/02/25 17:58	1
Iron	<47		100	47	ug/L		12/18/24 16:06	01/02/25 17:58	1
Lead	<0.19		0.50	0.19	ug/L		12/18/24 16:06	01/02/25 17:58	1
Lithium	<2.5		10	2.5	ug/L		12/18/24 16:06	01/02/25 17:58	1
Magnesium	<49		200	49	ug/L		12/18/24 16:06	01/02/25 17:58	1
Manganese	<0.79		2.5	0.79	ug/L		12/18/24 16:06	01/02/25 17:58	1
Molybdenum	<2.5		5.0	2.5	ug/L		12/18/24 16:06	01/02/25 17:58	1
Nickel	<0.63		2.0	0.63	ug/L		12/18/24 16:06	01/02/25 17:58	1
Potassium	<110		500	110	ug/L		12/18/24 16:06	01/02/25 17:58	1
Selenium	<0.98		2.5	0.98	ug/L		12/18/24 16:06	01/02/25 17:58	1
Silver	<0.12		0.50	0.12	ug/L		12/18/24 16:06	01/02/25 17:58	1
Sodium	<77		200	77	ug/L		12/18/24 16:06	01/02/25 17:58	1
Strontium	<0.64		4.0	0.64	ug/L		12/18/24 16:06	01/02/25 17:58	1
Thallium	<0.57		2.0	0.57	ug/L		12/18/24 16:06	01/02/25 17:58	1
Tin	2.54	J	5.0	1.3	ug/L		12/18/24 16:06	01/02/25 17:58	1
Vanadium	<2.2		5.0	2.2	ug/L		12/18/24 16:06	01/02/25 17:58	1
Zinc	<6.9		20	6.9	ug/L		12/18/24 16:06	01/02/25 17:58	1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 500-800001/1-A
Matrix: Water
Analysis Batch: 801728

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 800001

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	36.1	J	50	13	ug/L		12/18/24 16:06	01/03/25 13:04	1

Lab Sample ID: LCS 500-800001/2-A
Matrix: Water
Analysis Batch: 801552

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 800001

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	2000	1870		ug/L		93	80 - 120
Antimony	500	493		ug/L		99	80 - 120
Arsenic	100	93.5		ug/L		93	80 - 120
Barium	500	482		ug/L		96	80 - 120
Beryllium	50.0	50.6		ug/L		101	80 - 120
Cadmium	50.0	49.5		ug/L		99	80 - 120
Calcium	10000	9020		ug/L		90	80 - 120
Chromium	200	207		ug/L		103	80 - 120
Cobalt	500	528		ug/L		106	80 - 120
Copper	250	249		ug/L		100	80 - 120
Iron	1000	1040		ug/L		104	80 - 120
Lead	100	98.1		ug/L		98	80 - 120
Lithium	100	103		ug/L		103	80 - 120
Magnesium	10000	10200		ug/L		102	80 - 120
Manganese	500	504		ug/L		101	80 - 120
Molybdenum	1000	948		ug/L		95	80 - 120
Nickel	500	490		ug/L		98	80 - 120
Potassium	10000	10000		ug/L		100	80 - 120
Selenium	100	91.2		ug/L		91	80 - 120
Silver	50.0	49.1		ug/L		98	80 - 120
Sodium	10000	10100		ug/L		101	80 - 120
Strontium	1000	913		ug/L		91	80 - 120
Thallium	100	99.9		ug/L		100	80 - 120
Tin	1000	966		ug/L		97	80 - 120
Vanadium	500	503		ug/L		101	80 - 120
Zinc	500	485		ug/L		97	80 - 120

Lab Sample ID: LCS 500-800001/2-A
Matrix: Water
Analysis Batch: 801728

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 800001

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	1000	1020		ug/L		102	80 - 120

Lab Sample ID: 500-261306-3 MS
Matrix: Water
Analysis Batch: 801552

Client Sample ID: MW-5A_20241209
Prep Type: Total Recoverable
Prep Batch: 800001

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	<25		2000	1930		ug/L		97	75 - 125
Antimony	<1.3		500	510		ug/L		102	75 - 125
Arsenic	0.39	J	100	96.3		ug/L		96	75 - 125

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 500-261306-3 MS
Matrix: Water
Analysis Batch: 801552

Client Sample ID: MW-5A_20241209
Prep Type: Total Recoverable
Prep Batch: 800001

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Barium	560	F1	500	1070		ug/L		103	75 - 125
Beryllium	<0.53		50.0	51.8		ug/L		104	75 - 125
Boron	190	B	1000	1220		ug/L		103	75 - 125
Cadmium	<0.17		50.0	50.0		ug/L		100	75 - 125
Calcium	170000		10000	180000	4	ug/L		134	75 - 125
Chromium	<1.1		200	208		ug/L		104	75 - 125
Cobalt	<0.40		500	523		ug/L		105	75 - 125
Copper	1.4	J	250	251		ug/L		100	75 - 125
Iron	120		1000	1140		ug/L		101	75 - 125
Lead	<0.19		100	101		ug/L		101	75 - 125
Lithium	53	F1	100	162		ug/L		109	75 - 125
Magnesium	14000	F1	10000	26100		ug/L		116	75 - 125
Manganese	950	F1	500	1470		ug/L		103	75 - 125
Molybdenum	<2.5		1000	992		ug/L		99	75 - 125
Nickel	1.4	J	500	492		ug/L		98	75 - 125
Potassium	500		10000	10600		ug/L		101	75 - 125
Selenium	<0.98		100	96.9		ug/L		97	75 - 125
Silver	<0.12		50.0	49.4		ug/L		99	75 - 125
Sodium	97000		10000	104000	4	ug/L		64	75 - 125
Strontium	2900	F1	1000	3780		ug/L		91	75 - 125
Thallium	<0.57		100	104		ug/L		104	75 - 125
Tin	<1.3		1000	999		ug/L		100	75 - 125
Vanadium	<2.2		500	515		ug/L		103	75 - 125
Zinc	<6.9		500	489		ug/L		98	75 - 125

Lab Sample ID: 500-261306-3 MSD
Matrix: Water
Analysis Batch: 801552

Client Sample ID: MW-5A_20241209
Prep Type: Total Recoverable
Prep Batch: 800001

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum	<25		2000	2160		ug/L		108	75 - 125	11	20
Antimony	<1.3		500	572		ug/L		114	75 - 125	11	20
Arsenic	0.39	J	100	108		ug/L		107	75 - 125	11	20
Barium	560	F1	500	1220	F1	ug/L		131	75 - 125	12	20
Beryllium	<0.53		50.0	59.3		ug/L		119	75 - 125	13	20
Boron	190	B	1000	1400		ug/L		121	75 - 125	14	20
Cadmium	<0.17		50.0	56.2		ug/L		112	75 - 125	12	20
Calcium	170000		10000	204000	4	ug/L		375	75 - 125	13	20
Chromium	<1.1		200	234		ug/L		117	75 - 125	12	20
Cobalt	<0.40		500	588		ug/L		118	75 - 125	12	20
Copper	1.4	J	250	283		ug/L		113	75 - 125	12	20
Iron	120		1000	1270		ug/L		115	75 - 125	11	20
Lead	<0.19		100	113		ug/L		113	75 - 125	12	20
Lithium	53	F1	100	186	F1	ug/L		133	75 - 125	14	20
Magnesium	14000	F1	10000	29400	F1	ug/L		149	75 - 125	12	20
Manganese	950	F1	500	1660	F1	ug/L		142	75 - 125	12	20
Molybdenum	<2.5		1000	1120		ug/L		112	75 - 125	12	20
Nickel	1.4	J	500	554		ug/L		110	75 - 125	12	20
Potassium	500		10000	11900		ug/L		114	75 - 125	12	20

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 500-261306-3 MSD
Matrix: Water
Analysis Batch: 801552

Client Sample ID: MW-5A_20241209
Prep Type: Total Recoverable
Prep Batch: 800001

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Selenium	<0.98		100	105		ug/L		105	75 - 125	8	20
Silver	<0.12		50.0	55.5		ug/L		111	75 - 125	12	20
Sodium	97000		10000	118000	4	ug/L		206	75 - 125	13	20
Strontium	2900	F1	1000	4260	F1	ug/L		139	75 - 125	12	20
Thallium	<0.57		100	117		ug/L		117	75 - 125	12	20
Tin	<1.3		1000	1120		ug/L		112	75 - 125	12	20
Vanadium	<2.2		500	578		ug/L		116	75 - 125	11	20
Zinc	<6.9		500	548		ug/L		110	75 - 125	11	20

Lab Sample ID: 500-261306-3 DU
Matrix: Water
Analysis Batch: 801552

Client Sample ID: MW-5A_20241209
Prep Type: Total Recoverable
Prep Batch: 800001

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Aluminum	<25		<25		ug/L		NC	20
Antimony	<1.3		<1.3		ug/L		NC	20
Arsenic	0.39	J	0.351	J	ug/L		10	20
Barium	560	F1	609		ug/L		9	20
Beryllium	<0.53		<0.53		ug/L		NC	20
Boron	190	B	196		ug/L		3	20
Cadmium	<0.17		<0.17		ug/L		NC	20
Calcium	170000		172000		ug/L		3	20
Chromium	<1.1		<1.1		ug/L		NC	20
Cobalt	<0.40		<0.40		ug/L		NC	20
Copper	1.4	J	1.56	J	ug/L		8	20
Iron	120		205	F5	ug/L		50	20
Lead	<0.19		<0.19		ug/L		NC	20
Lithium	53	F1	56.3		ug/L		6	20
Magnesium	14000	F1	15100		ug/L		4	20
Manganese	950	F1	991		ug/L		4	20
Molybdenum	<2.5		<2.5		ug/L		NC	20
Nickel	1.4	J	1.49	J	ug/L		8	20
Potassium	500		518		ug/L		4	20
Selenium	<0.98		<0.98		ug/L		NC	20
Silver	<0.12		<0.12		ug/L		NC	20
Sodium	97000		102000		ug/L		5	20
Strontium	2900	F1	2980		ug/L		4	20
Thallium	<0.57		<0.57		ug/L		NC	20
Tin	<1.3		<1.3		ug/L		NC	20
Vanadium	<2.2		<2.2		ug/L		NC	20
Zinc	<6.9		<6.9		ug/L		NC	20

Lab Sample ID: 500-261306-3 MS
Matrix: Water
Analysis Batch: 801552

Client Sample ID: MW-5A_20241209
Prep Type: Dissolved
Prep Batch: 800001

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	<25		2000	1940		ug/L		97	75 - 125
Antimony	<1.3		500	514		ug/L		103	75 - 125

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 500-261306-3 MS
Matrix: Water
Analysis Batch: 801552

Client Sample ID: MW-5A_20241209
Prep Type: Dissolved
Prep Batch: 800001

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.37	J	100	96.4		ug/L		96	75 - 125
Barium	520		500	1060		ug/L		108	75 - 125
Beryllium	<0.53		50.0	54.1		ug/L		108	75 - 125
Cadmium	<0.17		50.0	50.2		ug/L		100	75 - 125
Calcium	170000		10000	179000	4	ug/L		96	75 - 125
Chromium	<1.1		200	209		ug/L		104	75 - 125
Cobalt	<0.40		500	530		ug/L		106	75 - 125
Copper	0.76	J	250	249		ug/L		99	75 - 125
Iron	100		1000	1120		ug/L		102	75 - 125
Lead	<0.19		100	101		ug/L		101	75 - 125
Lithium	50		100	163		ug/L		114	75 - 125
Magnesium	17000		10000	27200		ug/L		103	75 - 125
Manganese	960		500	1460		ug/L		99	75 - 125
Molybdenum	<2.5		1000	996		ug/L		100	75 - 125
Nickel	0.76	J	500	490		ug/L		98	75 - 125
Potassium	460	J	10000	10500		ug/L		101	75 - 125
Selenium	<0.98		100	95.5		ug/L		95	75 - 125
Silver	<0.12		50.0	49.7		ug/L		99	75 - 125
Sodium	87000		10000	95900	4	ug/L		93	75 - 125
Strontium	2800		1000	3680		ug/L		93	75 - 125
Thallium	<0.57		100	104		ug/L		104	75 - 125
Tin	<1.3		1000	1000		ug/L		100	75 - 125
Vanadium	<2.2		500	516		ug/L		103	75 - 125
Zinc	<6.9		500	491		ug/L		98	75 - 125

Lab Sample ID: 500-261306-3 MS
Matrix: Water
Analysis Batch: 801728

Client Sample ID: MW-5A_20241209
Prep Type: Dissolved
Prep Batch: 800001

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	190	B	1000	1210		ug/L		102	75 - 125

Lab Sample ID: 500-261306-3 MSD
Matrix: Water
Analysis Batch: 801552

Client Sample ID: MW-5A_20241209
Prep Type: Dissolved
Prep Batch: 800001

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum	<25		2000	1930		ug/L		96	75 - 125	1	20
Antimony	<1.3		500	510		ug/L		102	75 - 125	1	20
Arsenic	0.37	J	100	95.6		ug/L		95	75 - 125	1	20
Barium	520		500	1040		ug/L		104	75 - 125	2	20
Beryllium	<0.53		50.0	54.6		ug/L		109	75 - 125	1	20
Cadmium	<0.17		50.0	49.8		ug/L		100	75 - 125	1	20
Calcium	170000		10000	180000	4	ug/L		96	75 - 125	0	20
Chromium	<1.1		200	205		ug/L		103	75 - 125	2	20
Cobalt	<0.40		500	520		ug/L		104	75 - 125	2	20
Copper	0.76	J	250	249		ug/L		99	75 - 125	0	20
Iron	100		1000	1130		ug/L		102	75 - 125	0	20
Lead	<0.19		100	100		ug/L		100	75 - 125	1	20

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 500-261306-3 MSD
Matrix: Water
Analysis Batch: 801552

Client Sample ID: MW-5A_20241209
Prep Type: Dissolved
Prep Batch: 800001

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Lithium	50		100	163		ug/L		113	75 - 125	0	20
Magnesium	17000		10000	27000		ug/L		101	75 - 125	1	20
Manganese	960		500	1450		ug/L		97	75 - 125	1	20
Molybdenum	<2.5		1000	989		ug/L		99	75 - 125	1	20
Nickel	0.76	J	500	485		ug/L		97	75 - 125	1	20
Potassium	460	J	10000	10400		ug/L		100	75 - 125	1	20
Selenium	<0.98		100	93.7		ug/L		94	75 - 125	2	20
Silver	<0.12		50.0	49.3		ug/L		99	75 - 125	1	20
Sodium	87000		10000	97000	4	ug/L		104	75 - 125	1	20
Strontium	2800		1000	3670		ug/L		92	75 - 125	0	20
Thallium	<0.57		100	104		ug/L		104	75 - 125	0	20
Tin	<1.3		1000	993		ug/L		99	75 - 125	1	20
Vanadium	<2.2		500	510		ug/L		102	75 - 125	1	20
Zinc	<6.9		500	484		ug/L		97	75 - 125	1	20

Lab Sample ID: 500-261306-3 MSD
Matrix: Water
Analysis Batch: 801728

Client Sample ID: MW-5A_20241209
Prep Type: Dissolved
Prep Batch: 800001

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Boron	190	B	1000	1210		ug/L		102	75 - 125	0	20

Lab Sample ID: 500-261306-3 DU
Matrix: Water
Analysis Batch: 801552

Client Sample ID: MW-5A_20241209
Prep Type: Dissolved
Prep Batch: 800001

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Aluminum	<25			<25		ug/L				NC	20
Antimony	<1.3			<1.3		ug/L				NC	20
Arsenic	0.37	J		0.365	J	ug/L				2	20
Barium	520			528		ug/L				1	20
Beryllium	<0.53			<0.53		ug/L				NC	20
Cadmium	<0.17			<0.17		ug/L				NC	20
Calcium	170000			171000		ug/L				0.9	20
Chromium	<1.1			<1.1		ug/L				NC	20
Cobalt	<0.40			<0.40		ug/L				NC	20
Copper	0.76	J		0.798	J	ug/L				5	20
Iron	100			103		ug/L				0.6	20
Lead	<0.19			<0.19		ug/L				NC	20
Lithium	50			50.2		ug/L				0.8	20
Magnesium	17000			17000		ug/L				0.1	20
Manganese	960			970		ug/L				0.8	20
Molybdenum	<2.5			<2.5		ug/L				NC	20
Nickel	0.76	J		0.758	J	ug/L				0.4	20
Potassium	460	J		453	J	ug/L				0.8	20
Selenium	<0.98			<0.98		ug/L				NC	20
Silver	<0.12			<0.12		ug/L				NC	20
Sodium	87000			86400		ug/L				0.2	20
Strontium	2800			2760		ug/L				0.3	20

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 500-261306-3 DU
Matrix: Water
Analysis Batch: 801552

Client Sample ID: MW-5A_20241209
Prep Type: Dissolved
Prep Batch: 800001

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Thallium	<0.57		<0.57		ug/L		NC	20
Tin	<1.3		<1.3		ug/L		NC	20
Vanadium	<2.2		<2.2		ug/L		NC	20
Zinc	<6.9		<6.9		ug/L		NC	20

Lab Sample ID: 500-261306-3 DU
Matrix: Water
Analysis Batch: 801728

Client Sample ID: MW-5A_20241209
Prep Type: Dissolved
Prep Batch: 800001

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Boron	190	B	184		ug/L		3	20

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 500-798941/3
Matrix: Water
Analysis Batch: 798941

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	<0.45		1.0	0.45	mg/L			12/11/24 11:17	1
Chloride	<0.42		1.0	0.42	mg/L			12/11/24 11:17	1
Fluoride	<0.43		1.0	0.43	mg/L			12/11/24 11:17	1
Sulfate	<0.47		1.0	0.47	mg/L			12/11/24 11:17	1

Lab Sample ID: LCS 500-798941/4
Matrix: Water
Analysis Batch: 798941

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bromide	20.0	20.3		mg/L		102	90 - 110
Chloride	20.0	19.4		mg/L		97	90 - 110
Fluoride	20.0	20.1		mg/L		100	90 - 110
Sulfate	20.0	20.3		mg/L		102	90 - 110

Lab Sample ID: 500-261306-3 MS
Matrix: Water
Analysis Batch: 798941

Client Sample ID: MW-5A_20241209
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Bromide	2.2		10.0	13.0		mg/L		108	80 - 120
Fluoride	<0.43		10.0	9.73		mg/L		97	80 - 120
Sulfate	1.8		10.0	11.4		mg/L		96	80 - 120

Lab Sample ID: 500-261306-3 MSD
Matrix: Water
Analysis Batch: 798941

Client Sample ID: MW-5A_20241209
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Bromide	2.2		10.0	12.3		mg/L		101	80 - 120	5	20
Fluoride	<0.43		10.0	9.16		mg/L		92	80 - 120	6	20

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 500-261306-3 MSD
Matrix: Water
Analysis Batch: 798941

Client Sample ID: MW-5A_20241209
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfate	1.8		10.0	10.9		mg/L		92	80 - 120	4	20

Lab Sample ID: MB 500-798942/3
Matrix: Water
Analysis Batch: 798942

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	<0.37	^-	1.0	0.37	mg/L			12/11/24 11:17	1
Nitrite as N	<0.25		1.0	0.25	mg/L			12/11/24 11:17	1
Nitrate Nitrite as N	<0.37		1.0	0.37	mg/L			12/11/24 11:17	1

Lab Sample ID: LCS 500-798942/4
Matrix: Water
Analysis Batch: 798942

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate as N	20.0	18.9	^-	mg/L		95	90 - 110
Nitrite as N	20.0	19.8		mg/L		99	90 - 110
Nitrate Nitrite as N	40.0	38.7		mg/L		97	90 - 110

Lab Sample ID: 500-261306-3 MS
Matrix: Water
Analysis Batch: 798942

Client Sample ID: MW-5A_20241209
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate as N	0.47	J H F1 ^-	2.26	2.35	H ^-	mg/L		83	80 - 120
Nitrite as N	<0.25	H	3.03	3.65	H	mg/L		120	80 - 120
Nitrate Nitrite as N	0.47	J H	5.29	6.00	H	mg/L		105	80 - 120

Lab Sample ID: 500-261306-3 MSD
Matrix: Water
Analysis Batch: 798942

Client Sample ID: MW-5A_20241209
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrate as N	0.47	J H F1 ^-	2.26	2.22	H ^- F1	mg/L		78	80 - 120	6	20
Nitrite as N	<0.25	H	3.03	3.35	H	mg/L		111	80 - 120	8	20
Nitrate Nitrite as N	0.47	J H	5.29	5.57	H	mg/L		96	80 - 120	7	20

Lab Sample ID: MB 500-799179/3
Matrix: Water
Analysis Batch: 799179

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.42		1.0	0.42	mg/L			12/13/24 01:10	1
Sulfate	<0.47		1.0	0.47	mg/L			12/13/24 01:10	1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 500-799179/4
Matrix: Water
Analysis Batch: 799179

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			100	101		mg/L		101	90 - 110		
Sulfate			100	107		mg/L		107	90 - 110		

Lab Sample ID: 500-261306-3 MS
Matrix: Water
Analysis Batch: 799179

Client Sample ID: MW-5A_20241209
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	230		10.0	234	4	mg/L		13	80 - 120		

Lab Sample ID: 500-261306-3 MSD
Matrix: Water
Analysis Batch: 799179

Client Sample ID: MW-5A_20241209
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	230		10.0	238	4	mg/L		58	80 - 120	2	20

Method: 335.4 - Cyanide, Total

Lab Sample ID: MB 500-799160/1-A
Matrix: Water
Analysis Batch: 799205

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 799160

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.0036		0.0050	0.0036	mg/L		12/12/24 13:15	12/12/24 15:17	1

Lab Sample ID: LCS 500-799160/2-A
Matrix: Water
Analysis Batch: 799205

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 799160

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Cyanide, Total			0.100	0.0950		mg/L		95	90 - 110		

Lab Sample ID: 500-261306-3 MS
Matrix: Water
Analysis Batch: 799205

Client Sample ID: MW-5A_20241209
Prep Type: Total/NA
Prep Batch: 799160

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Cyanide, Total	<0.0036		0.100	0.101		mg/L		101	90 - 110		

Lab Sample ID: 500-261306-3 MSD
Matrix: Water
Analysis Batch: 799205

Client Sample ID: MW-5A_20241209
Prep Type: Total/NA
Prep Batch: 799160

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Cyanide, Total	<0.0036		0.100	0.105		mg/L		105	90 - 110	4	20

Method: 350.1 - Nitrogen, Ammonia

Lab Sample ID: MB 500-800886/1-A
Matrix: Water
Analysis Batch: 800975

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 800886

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	<0.10		0.20	0.10	mg/L		12/27/24 11:21	12/28/24 11:36	1

Lab Sample ID: LCS 500-800886/2-A
Matrix: Water
Analysis Batch: 800975

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 800886

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ammonia	2.00	2.04		mg/L		102	90 - 110

Lab Sample ID: 500-261306-3 MS
Matrix: Water
Analysis Batch: 800975

Client Sample ID: MW-5A_20241209
Prep Type: Total/NA
Prep Batch: 800886

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ammonia	<0.10	F1 F2	2.00	2.02		mg/L		101	90 - 110

Lab Sample ID: 500-261306-3 MSD
Matrix: Water
Analysis Batch: 800975

Client Sample ID: MW-5A_20241209
Prep Type: Total/NA
Prep Batch: 800886

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Ammonia	<0.10	F1 F2	2.00	1.06	F1 F2	mg/L		53	90 - 110	63	20

Method: 365.1 - Phosphorus, Total

Lab Sample ID: MB 500-799544/1-A
Matrix: Water
Analysis Batch: 800190

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 799544

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phosphorus as P	<0.024		0.050	0.024	mg/L		12/16/24 09:29	12/19/24 13:29	1

Lab Sample ID: LCS 500-799544/2-A
Matrix: Water
Analysis Batch: 800190

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 799544

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Phosphorus as P	1.00	0.902		mg/L		90	88 - 123

Lab Sample ID: 500-261306-3 MS
Matrix: Water
Analysis Batch: 800190

Client Sample ID: MW-5A_20241209
Prep Type: Total/NA
Prep Batch: 799544

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Phosphorus as P	<0.024		1.00	0.922		mg/L		92	75 - 125

Method: 365.1 - Phosphorus, Total (Continued)

Lab Sample ID: 500-261306-3 MSD
Matrix: Water
Analysis Batch: 800190

Client Sample ID: MW-5A_20241209
Prep Type: Total/NA
Prep Batch: 799544

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Phosphorus as P	<0.024		1.00	0.936		mg/L		94	75 - 125	2	20

Method: SM 2320B - Alkalinity

Lab Sample ID: MB 500-799707/28
Matrix: Water
Analysis Batch: 799707

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	3.81	J	5.0	3.7	mg/L			12/16/24 18:36	1
Bicarbonate Alkalinity as CaCO3	3.81	J	5.0	3.7	mg/L			12/16/24 18:36	1
Carbonate Alkalinity as CaCO3	<3.7		5.0	3.7	mg/L			12/16/24 18:36	1

Lab Sample ID: LCS 500-799707/29
Matrix: Water
Analysis Batch: 799707

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Alkalinity			100	107		mg/L		107	95 - 121		

Method: SM 2520B - Salinity

Lab Sample ID: 500-261306-5 DU
Matrix: Water
Analysis Batch: 800476

Client Sample ID: MW-31_20241209
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Salinity	<0.33			<0.33		psu				NC	

Lab Sample ID: 500-261306-7 DU
Matrix: Water
Analysis Batch: 801731

Client Sample ID: SMW-1SB_20241209
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Salinity	<0.33			<0.33		psu				NC	

Method: SM 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 500-799049/1
Matrix: Water
Analysis Batch: 799049

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<4.3		10	4.3	mg/L			12/12/24 01:13	1

Lab Sample ID: LCS 500-799049/2
Matrix: Water
Analysis Batch: 799049

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Dissolved Solids			250	260		mg/L		104	80 - 120		

Method: SM 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: 500-261306-3 MS
Matrix: Water
Analysis Batch: 799049

Client Sample ID: MW-5A_20241209
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	1000		250	1290	4	mg/L		114	75 - 125

Lab Sample ID: 500-261306-3 MSD
Matrix: Water
Analysis Batch: 799049

Client Sample ID: MW-5A_20241209
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Dissolved Solids	1000		250	1330	4	mg/L		128	75 - 125	3	20

Lab Sample ID: 500-261306-5 DU
Matrix: Water
Analysis Batch: 799049

Client Sample ID: MW-31_20241209
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	380		376		mg/L		0	5

Method: SM 2540D - Solids, Total Suspended (TSS)

Lab Sample ID: MB 500-799346/1
Matrix: Water
Analysis Batch: 799346

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	<1.9		5.0	1.9	mg/L			12/13/24 12:31	1

Lab Sample ID: LCS 500-799346/2
Matrix: Water
Analysis Batch: 799346

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Suspended Solids	200	189		mg/L		94	80 - 120

Lab Sample ID: 500-261306-3 MS
Matrix: Water
Analysis Batch: 799346

Client Sample ID: MW-5A_20241209
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Total Suspended Solids	2.4	J	100	92.0		mg/L		90	75 - 125

Lab Sample ID: 500-261306-3 MSD
Matrix: Water
Analysis Batch: 799346

Client Sample ID: MW-5A_20241209
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Suspended Solids	2.4	J	100	102		mg/L		100	75 - 125	10	20

Method: SM 4500 S2 F - Sulfide, Total

Lab Sample ID: MB 500-799052/1
Matrix: Water
Analysis Batch: 799052

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	<0.23		1.0	0.23	mg/L			12/12/24 02:23	1

Lab Sample ID: LCS 500-799052/2
Matrix: Water
Analysis Batch: 799052

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfide	3.76	3.59		mg/L		95	85 - 115

Lab Sample ID: 500-261306-3 MS
Matrix: Water
Analysis Batch: 799052

Client Sample ID: MW-5A_20241209
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfide	<0.23		3.76	4.22		mg/L		112	75 - 125

Lab Sample ID: 500-261306-3 MSD
Matrix: Water
Analysis Batch: 799052

Client Sample ID: MW-5A_20241209
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfide	<0.23		3.76	3.52		mg/L		94	75 - 125	18	20

Lab Sample ID: MB 500-799488/1
Matrix: Water
Analysis Batch: 799488

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	<0.23		1.0	0.23	mg/L			12/15/24 22:11	1

Lab Sample ID: LCS 500-799488/2
Matrix: Water
Analysis Batch: 799488

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfide	3.76	3.51		mg/L		93	85 - 115

Method: SM 5310C - TOC

Lab Sample ID: MB 500-800212/11
Matrix: Water
Analysis Batch: 800212

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	<0.47		1.0	0.47	mg/L			12/18/24 19:24	1

Method: SM 5310C - TOC (Continued)

Lab Sample ID: LCS 500-800212/12
Matrix: Water
Analysis Batch: 800212

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Organic Carbon			10.0	10.2		mg/L		102	86 - 116		

Lab Sample ID: 500-261306-3 MS
Matrix: Water
Analysis Batch: 800212

Client Sample ID: MW-5A_20241209
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Organic Carbon	3.2		10.0	13.8		mg/L		107	75 - 125		

Lab Sample ID: 500-261306-3 MSD
Matrix: Water
Analysis Batch: 800212

Client Sample ID: MW-5A_20241209
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Organic Carbon	3.2		10.0	13.8		mg/L		107	75 - 125	0	20

Lab Sample ID: MB 500-801887/7
Matrix: Water
Analysis Batch: 801887

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	<0.47		1.0	0.47	mg/L			01/06/25 16:07	1

Lab Sample ID: LCS 500-801887/8
Matrix: Water
Analysis Batch: 801887

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Organic Carbon			10.0	10.3		mg/L		103	86 - 116		

Method: SM 5310C - Organic Carbon, Dissolved (DOC)

Lab Sample ID: MB 500-800995/7
Matrix: Water
Analysis Batch: 800995

Client Sample ID: Method Blank
Prep Type: Dissolved

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon	<0.47		1.0	0.47	mg/L			12/29/24 09:55	1

Lab Sample ID: LCS 500-800995/8
Matrix: Water
Analysis Batch: 800995

Client Sample ID: Lab Control Sample
Prep Type: Dissolved

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Dissolved Organic Carbon			10.0	10.1		mg/L		101	86 - 116		

Method: SM 5310C - Organic Carbon, Dissolved (DOC) (Continued)

Lab Sample ID: 500-261306-3 MS
Matrix: Water
Analysis Batch: 800995

Client Sample ID: MW-5A_20241209
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Dissolved Organic Carbon	3.3		10.0	13.5		mg/L		102	75 - 125		

Lab Sample ID: 500-261306-3 MSD
Matrix: Water
Analysis Batch: 800995

Client Sample ID: MW-5A_20241209
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Dissolved Organic Carbon	3.3		10.0	13.5		mg/L		102	75 - 125	0	20

Lab Chronicle

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261306-1

Client Sample ID: PNC-03_20241209

Lab Sample ID: 500-261306-1

Date Collected: 12/09/24 16:00

Matrix: Water

Date Received: 12/11/24 09:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	1630			4026	JS	EET SSM	12/20/24 11:36
Dissolved	Analysis	1630		1	4067	COW	EET SSM	12/20/24 23:30
Total/NA	Prep	1630			4026	JS	EET SSM	12/20/24 11:36
Total/NA	Analysis	1630		1	4067	COW	EET SSM	12/20/24 23:20
Dissolved	Analysis	1631E		1	4226	CL	EET SSM	12/30/24 17:41
Total/NA	Analysis	1631E		1	4226	CL	EET SSM	12/30/24 16:43
Dissolved	Prep	1638			4297	CL	EET SSM	01/06/25 13:37
Dissolved	Analysis	1638		1	4338	V1R	EET SSM	01/07/25 15:34
Total Recoverable	Prep	1638			4297	CL	EET SSM	01/06/25 13:37
Total Recoverable	Analysis	1638		1	4338	V1R	EET SSM	01/07/25 15:24
Dissolved	Prep	3005A			800001	S1Z	EET CHI	12/18/24 16:06 - 12/18/24 22:06 [1]
Dissolved	Analysis	6020B		1	801552	RN	EET CHI	01/02/25 18:38
Total Recoverable	Prep	3005A			799996	S1Z	EET CHI	12/18/24 15:55 - 12/18/24 21:55 [1]
Total Recoverable	Analysis	6020B		1	800544	S1Z	EET CHI	12/20/24 19:51
Total Recoverable	Prep	3005A			799996	S1Z	EET CHI	12/18/24 15:55 - 12/18/24 21:55 [1]
Total Recoverable	Analysis	6020B		1	800626	S1Z	EET CHI	12/23/24 11:03
Total Recoverable	Prep	3005A			799996	S1Z	EET CHI	12/18/24 15:55 - 12/18/24 21:55 [1]
Total Recoverable	Analysis	SM 2340B		1	800560	DAJ	EET CHI	12/23/24 09:02
Total/NA	Analysis	300.0		1	798941	MM	EET CHI	12/11/24 12:20
Total/NA	Analysis	300.0		1	798942	MM	EET CHI	12/11/24 12:20
Total/NA	Prep	Distill/CN			799160	AC	EET CHI	12/12/24 13:15 - 12/12/24 13:45 [1]
Total/NA	Analysis	335.4		1	799205	AC	EET CHI	12/12/24 15:26
Total/NA	Prep	Distill/Ammonia			800886	KF	EET CHI	12/27/24 11:21 - 12/27/24 12:21 [1]
Total/NA	Analysis	350.1		1	800975	KF	EET CHI	12/28/24 11:37
Total/NA	Prep	365.2/365.3/365			799544	ST	EET CHI	12/16/24 09:29 - 12/16/24 13:29 [1]
Total/NA	Analysis	365.1		1	800190	KF	EET CHI	12/19/24 13:31
Total/NA	Analysis	SM 2320B		1	799707	SO	EET CHI	12/16/24 16:30
Total/NA	Analysis	SM 2520B		1	800476	TR	EET CHI	12/22/24 15:01
Total/NA	Analysis	SM 2540C		1	799049	CLB	EET CHI	12/12/24 01:44
Total/NA	Analysis	SM 2540D		1	799346	SO	EET CHI	12/13/24 12:45 - 12/13/24 12:48 [1]
Total/NA	Analysis	SM 4500 S2 F		1	799052	CLB	EET CHI	12/12/24 03:37 - 12/12/24 03:41 [1]
Dissolved	Analysis	SM 5310C		1	800995	TR	EET CHI	12/29/24 09:55
Total/NA	Analysis	SM 5310C		1	800212	TR	EET CHI	12/18/24 20:48

Client Sample ID: PNC-03_20241209_FBLL

Lab Sample ID: 500-261306-2

Date Collected: 12/09/24 16:00

Matrix: Water

Date Received: 12/11/24 09:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	1631E		1	4226	CL	EET SSM	12/30/24 16:47

Lab Chronicle

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261306-1

Client Sample ID: MW-5A_20241209

Lab Sample ID: 500-261306-3

Date Collected: 12/09/24 11:20

Matrix: Water

Date Received: 12/11/24 09:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	1630			4026	JS	EET SSM	12/20/24 11:36
Dissolved	Analysis	1630		1	4067	COW	EET SSM	12/20/24 19:25
Total/NA	Prep	1630			4026	JS	EET SSM	12/20/24 11:36
Total/NA	Analysis	1630		1	4067	COW	EET SSM	12/20/24 18:55
Dissolved	Analysis	1631E		1	4226	CL	EET SSM	12/30/24 12:34
Total/NA	Analysis	1631E		1	4226	CL	EET SSM	12/30/24 12:30
Dissolved	Prep	1638			4294	CL	EET SSM	01/06/25 13:37
Dissolved	Analysis	1638		1	4338	V1R	EET SSM	01/07/25 13:33
Total Recoverable	Prep	1638			4294	CL	EET SSM	01/06/25 13:37
Total Recoverable	Analysis	1638		1	4338	V1R	EET SSM	01/07/25 13:23
Dissolved	Prep	3005A			800001	S1Z	EET CHI	12/18/24 16:06 - 12/18/24 22:06 [1]
Dissolved	Analysis	6020B		1	801552	RN	EET CHI	01/02/25 18:46
Dissolved	Prep	3005A			800001	S1Z	EET CHI	12/18/24 16:06 - 12/18/24 22:06 [1]
Dissolved	Analysis	6020B		1	801728	RN	EET CHI	01/03/25 13:12
Total Recoverable	Prep	3005A			800001	S1Z	EET CHI	12/18/24 16:06 - 12/18/24 22:06 [1]
Total Recoverable	Analysis	6020B		1	801552	RN	EET CHI	01/02/25 18:08
Total Recoverable	Prep	3005A			800001	S1Z	EET CHI	12/18/24 16:06 - 12/18/24 22:06 [1]
Total Recoverable	Analysis	SM 2340B		1	800560	DAJ	EET CHI	01/03/25 09:29
Total/NA	Analysis	300.0		1	798941	MM	EET CHI	12/11/24 13:07
Total/NA	Analysis	300.0		1	798942	MM	EET CHI	12/11/24 13:07
Total/NA	Analysis	300.0		1	799179	MB	EET CHI	12/13/24 05:31
Total/NA	Prep	Distill/CN			799160	AC	EET CHI	12/12/24 13:15 - 12/12/24 13:45 [1]
Total/NA	Analysis	335.4		1	799205	AC	EET CHI	12/12/24 15:28
Total/NA	Prep	Distill/Ammonia			800886	KF	EET CHI	12/27/24 11:21 - 12/27/24 12:21 [1]
Total/NA	Analysis	350.1		1	800975	KF	EET CHI	12/28/24 11:37
Total/NA	Prep	365.2/365.3/365			799544	ST	EET CHI	12/16/24 09:29 - 12/16/24 13:29 [1]
Total/NA	Analysis	365.1		1	800190	KF	EET CHI	12/19/24 13:32
Total/NA	Analysis	SM 2320B		1	799707	SO	EET CHI	12/16/24 16:41
Total/NA	Analysis	SM 2520B		1	800476	TR	EET CHI	12/22/24 15:01
Total/NA	Analysis	SM 2540C		1	799049	CLB	EET CHI	12/12/24 01:46
Total/NA	Analysis	SM 2540D		1	799346	SO	EET CHI	12/13/24 12:48 - 12/13/24 12:51 [1]
Total/NA	Analysis	SM 4500 S2 F		1	799052	CLB	EET CHI	12/12/24 03:41 - 12/12/24 03:46 [1]
Dissolved	Analysis	SM 5310C		1	800995	TR	EET CHI	12/29/24 09:55
Total/NA	Analysis	SM 5310C		1	800212	TR	EET CHI	12/18/24 21:16

Client Sample ID: MW-5A_20241209_FBLL

Lab Sample ID: 500-261306-4

Date Collected: 12/09/24 11:20

Matrix: Water

Date Received: 12/11/24 09:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	1631E		1	4226	CL	EET SSM	12/30/24 12:26

Lab Chronicle

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261306-1

Client Sample ID: MW-31_20241209

Lab Sample ID: 500-261306-5

Date Collected: 12/09/24 11:45

Matrix: Water

Date Received: 12/11/24 09:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	1630			4026	JS	EET SSM	12/20/24 11:36
Dissolved	Analysis	1630		1	4067	COW	EET SSM	12/20/24 20:06
Total/NA	Prep	1630			4026	JS	EET SSM	12/20/24 11:36
Total/NA	Analysis	1630		1	4067	COW	EET SSM	12/20/24 19:56
Dissolved	Analysis	1631E		1	4226	CL	EET SSM	12/30/24 17:45
Total/NA	Analysis	1631E		1	4226	CL	EET SSM	12/30/24 16:51
Dissolved	Prep	1638			4297	CL	EET SSM	01/06/25 13:37
Dissolved	Analysis	1638		1	4338	V1R	EET SSM	01/07/25 16:09
Total Recoverable	Prep	1638			4297	CL	EET SSM	01/06/25 13:37
Total Recoverable	Analysis	1638		1	4338	V1R	EET SSM	01/07/25 15:52
Dissolved	Prep	3005A			800001	S1Z	EET CHI	12/18/24 16:06 - 12/18/24 22:06 ¹
Dissolved	Analysis	6020B		1	801552	RN	EET CHI	01/02/25 18:58
Dissolved	Prep	3005A			800001	S1Z	EET CHI	12/18/24 16:06 - 12/18/24 22:06 ¹
Dissolved	Analysis	6020B		1	801728	RN	EET CHI	01/03/25 13:29
Total Recoverable	Prep	3005A			799996	S1Z	EET CHI	12/18/24 15:55 - 12/18/24 21:55 ¹
Total Recoverable	Analysis	6020B		1	800544	S1Z	EET CHI	12/20/24 19:54
Total Recoverable	Prep	3005A			799996	S1Z	EET CHI	12/18/24 15:55 - 12/18/24 21:55 ¹
Total Recoverable	Analysis	6020B		1	800626	S1Z	EET CHI	12/23/24 11:06
Total Recoverable	Prep	3005A			799996	S1Z	EET CHI	12/18/24 15:55 - 12/18/24 21:55 ¹
Total Recoverable	Analysis	SM 2340B		1	800560	DAJ	EET CHI	12/23/24 09:02
Total/NA	Analysis	300.0		1	798941	MM	EET CHI	12/11/24 14:25
Total/NA	Analysis	300.0		1	798942	MM	EET CHI	12/11/24 14:25
Total/NA	Analysis	300.0		1	799179	MB	EET CHI	12/13/24 06:36
Total/NA	Prep	Distill/CN			799160	AC	EET CHI	12/12/24 13:15 - 12/12/24 13:45 ¹
Total/NA	Analysis	335.4		1	799205	AC	EET CHI	12/12/24 15:37
Total/NA	Prep	Distill/Ammonia			800886	KF	EET CHI	12/27/24 11:21 - 12/27/24 12:21 ¹
Total/NA	Analysis	350.1		1	800975	KF	EET CHI	12/28/24 11:38
Total/NA	Prep	365.2/365.3/365			799544	ST	EET CHI	12/16/24 09:29 - 12/16/24 13:29 ¹
Total/NA	Analysis	365.1		1	800190	KF	EET CHI	12/19/24 13:34
Total/NA	Analysis	SM 2320B		1	799707	SO	EET CHI	12/16/24 16:54
Total/NA	Analysis	SM 2520B		1	800476	TR	EET CHI	12/22/24 15:01
Total/NA	Analysis	SM 2540C		1	799049	CLB	EET CHI	12/12/24 01:54
Total/NA	Analysis	SM 2540D		1	799346	SO	EET CHI	12/13/24 12:57 - 12/13/24 13:00 ¹
Total/NA	Analysis	SM 4500 S2 F		1	799488	CLB	EET CHI	12/15/24 22:25 - 12/15/24 22:30 ¹
Dissolved	Analysis	SM 5310C		1	800995	TR	EET CHI	12/29/24 09:55
Total/NA	Analysis	SM 5310C		1	800212	TR	EET CHI	12/18/24 22:41

Client Sample ID: MW-31_20241209_FBLL

Lab Sample ID: 500-261306-6

Date Collected: 12/09/24 11:45

Matrix: Water

Date Received: 12/11/24 09:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	1631E		1	4226	CL	EET SSM	12/30/24 16:56

Lab Chronicle

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261306-1

Client Sample ID: SMW-1SB_20241209

Lab Sample ID: 500-261306-7

Date Collected: 12/09/24 16:35

Matrix: Water

Date Received: 12/11/24 09:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	1630			4026	JS	EET SSM	12/20/24 11:36
Dissolved	Analysis	1630		1	4067	COW	EET SSM	12/20/24 20:26
Total/NA	Prep	1630			4026	JS	EET SSM	12/20/24 11:36
Total/NA	Analysis	1630		1	4067	COW	EET SSM	12/20/24 20:16
Dissolved	Analysis	1631E		1	4226	CL	EET SSM	12/30/24 17:49
Total/NA	Analysis	1631E		1	4226	CL	EET SSM	12/30/24 17:00
Dissolved	Prep	1638			4297	CL	EET SSM	01/06/25 13:37
Dissolved	Analysis	1638		1	4338	V1R	EET SSM	01/07/25 16:12
Total Recoverable	Prep	1638			4297	CL	EET SSM	01/06/25 13:37
Total Recoverable	Analysis	1638		1	4338	V1R	EET SSM	01/07/25 15:55
Dissolved	Prep	3005A			800001	S1Z	EET CHI	12/18/24 16:06 - 12/18/24 22:06 [1]
Dissolved	Analysis	6020B		1	801552	RN	EET CHI	01/02/25 19:01
Dissolved	Prep	3005A			800001	S1Z	EET CHI	12/18/24 16:06 - 12/18/24 22:06 [1]
Dissolved	Analysis	6020B		5	801728	RN	EET CHI	01/03/25 13:32
Total Recoverable	Prep	3005A			800001	S1Z	EET CHI	12/18/24 16:06 - 12/18/24 22:06 [1]
Total Recoverable	Analysis	6020B		1	801552	RN	EET CHI	01/02/25 18:20
Total Recoverable	Prep	3005A			800001	S1Z	EET CHI	12/18/24 16:06 - 12/18/24 22:06 [1]
Total Recoverable	Analysis	6020B		5	801728	RN	EET CHI	01/03/25 13:09
Total Recoverable	Prep	3005A			800001	S1Z	EET CHI	12/18/24 16:06 - 12/18/24 22:06 [1]
Total Recoverable	Analysis	SM 2340B		1	800560	DAJ	EET CHI	01/03/25 09:29
Total/NA	Analysis	300.0		1	798941	MM	EET CHI	12/11/24 12:36
Total/NA	Analysis	300.0		1	798942	MM	EET CHI	12/11/24 12:36
Total/NA	Prep	Distill/CN			799160	AC	EET CHI	12/12/24 13:15 - 12/12/24 13:45 [1]
Total/NA	Analysis	335.4		1	799205	AC	EET CHI	12/12/24 15:39
Total/NA	Prep	Distill/Ammonia			800886	KF	EET CHI	12/27/24 11:21 - 12/27/24 12:21 [1]
Total/NA	Analysis	350.1		1	800975	KF	EET CHI	12/28/24 11:39
Total/NA	Prep	365.2/365.3/365			799544	ST	EET CHI	12/16/24 09:29 - 12/16/24 13:29 [1]
Total/NA	Analysis	365.1		1	800190	KF	EET CHI	12/19/24 13:34
Total/NA	Analysis	SM 2320B		1	799707	SO	EET CHI	12/16/24 17:03
Total/NA	Analysis	SM 2520B		1	801731	TR	EET CHI	01/06/25 08:16
Total/NA	Analysis	SM 2540C		1	799049	CLB	EET CHI	12/12/24 01:59
Total/NA	Analysis	SM 2540D		1	799346	SO	EET CHI	12/13/24 13:00 - 12/13/24 13:03 [1]
Total/NA	Analysis	SM 4500 S2 F		1	799488	CLB	EET CHI	12/15/24 22:30 - 12/15/24 22:35 [1]
Dissolved	Analysis	SM 5310C		1	800995	TR	EET CHI	12/29/24 09:55
Total/NA	Analysis	SM 5310C		1	800212	TR	EET CHI	12/18/24 23:09

Client Sample ID: SMW-1SB_20241209_FBLL

Lab Sample ID: 500-261306-8

Date Collected: 12/09/24 16:35

Matrix: Water

Date Received: 12/11/24 09:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	1631E		1	4226	CL	EET SSM	12/30/24 17:04

Lab Chronicle

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261306-1

Client Sample ID: MW-5SB_20241209

Lab Sample ID: 500-261306-9

Date Collected: 12/09/24 14:40

Matrix: Water

Date Received: 12/11/24 09:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	1630			4101	CL	EET SSM	12/26/24 12:35
Dissolved	Analysis	1630		1	4145	COW	EET SSM	12/26/24 22:40
Total/NA	Prep	1630			4101	CL	EET SSM	12/26/24 12:35
Total/NA	Analysis	1630		1	4145	COW	EET SSM	12/26/24 20:48
Dissolved	Analysis	1631E		1	4226	CL	EET SSM	12/30/24 17:54
Total/NA	Analysis	1631E		1	4226	CL	EET SSM	12/30/24 17:08
Dissolved	Prep	1638			4297	CL	EET SSM	01/06/25 13:37
Dissolved	Analysis	1638		1	4338	V1R	EET SSM	01/07/25 16:16
Total Recoverable	Prep	1638			4297	CL	EET SSM	01/06/25 13:37
Total Recoverable	Analysis	1638		1	4338	V1R	EET SSM	01/07/25 15:59
Dissolved	Prep	3005A			800001	S1Z	EET CHI	12/18/24 16:06 - 12/18/24 22:06 [1]
Dissolved	Analysis	6020B		1	801552	RN	EET CHI	01/02/25 19:11
Dissolved	Prep	3005A			800001	S1Z	EET CHI	12/18/24 16:06 - 12/18/24 22:06 [1]
Dissolved	Analysis	6020B		1	801728	RN	EET CHI	01/03/25 13:34
Total Recoverable	Prep	3005A			800001	S1Z	EET CHI	12/18/24 16:06 - 12/18/24 22:06 [1]
Total Recoverable	Analysis	6020B		1	801552	RN	EET CHI	01/02/25 18:31
Total Recoverable	Prep	3005A			800001	S1Z	EET CHI	12/18/24 16:06 - 12/18/24 22:06 [1]
Total Recoverable	Analysis	SM 2340B		1	800560	DAJ	EET CHI	01/03/25 09:29
Total/NA	Analysis	300.0		1	798941	MM	EET CHI	12/11/24 11:49
Total/NA	Analysis	300.0		1	798942	MM	EET CHI	12/11/24 11:49
Total/NA	Analysis	300.0		20	799179	MB	EET CHI	12/13/24 07:57
Total/NA	Prep	Distill/CN			799160	AC	EET CHI	12/12/24 13:15 - 12/12/24 13:45 [1]
Total/NA	Analysis	335.4		1	799205	AC	EET CHI	12/12/24 15:40
Total/NA	Prep	Distill/Ammonia			800886	KF	EET CHI	12/27/24 11:21 - 12/27/24 12:21 [1]
Total/NA	Analysis	350.1		1	800975	KF	EET CHI	12/28/24 11:39
Total/NA	Prep	365.2/365.3/365			799544	ST	EET CHI	12/16/24 09:29 - 12/16/24 13:29 [1]
Total/NA	Analysis	365.1		1	800190	KF	EET CHI	12/19/24 13:35
Total/NA	Analysis	SM 2320B		1	799707	SO	EET CHI	12/16/24 17:12
Total/NA	Analysis	SM 2520B		1	801731	TR	EET CHI	01/06/25 08:16
Total/NA	Analysis	SM 2540C		1	799049	CLB	EET CHI	12/12/24 02:02
Total/NA	Analysis	SM 2540D		1	799346	SO	EET CHI	12/13/24 13:03 - 12/13/24 13:06 [1]
Total/NA	Analysis	SM 4500 S2 F		1	799488	CLB	EET CHI	12/15/24 22:35 - 12/15/24 22:40 [1]
Dissolved	Analysis	SM 5310C		1	800995	TR	EET CHI	12/29/24 09:55
Total/NA	Analysis	SM 5310C		1	800212	TR	EET CHI	12/18/24 23:37

Client Sample ID: MW-5SB_20241209_FBLL

Lab Sample ID: 500-261306-10

Date Collected: 12/09/24 14:40

Matrix: Water

Date Received: 12/11/24 09:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	1631E		1	4226	CL	EET SSM	12/30/24 17:20

Lab Chronicle

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261306-1

Client Sample ID: SMW-1_20241209

Lab Sample ID: 500-261306-11

Date Collected: 12/09/24 15:20

Matrix: Water

Date Received: 12/11/24 09:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	1630			4101	CL	EET SSM	12/26/24 12:35
Dissolved	Analysis	1630		1	4145	COW	EET SSM	12/26/24 22:51
Total/NA	Prep	1630			4101	CL	EET SSM	12/26/24 12:35
Total/NA	Analysis	1630		1	4145	COW	EET SSM	12/26/24 20:59
Dissolved	Analysis	1631E		1	4226	CL	EET SSM	12/30/24 17:58
Total/NA	Analysis	1631E		1	4226	CL	EET SSM	12/30/24 17:25
Dissolved	Prep	1638			4297	CL	EET SSM	01/06/25 13:37
Dissolved	Analysis	1638		1	4338	V1R	EET SSM	01/07/25 16:19
Total Recoverable	Prep	1638			4297	CL	EET SSM	01/06/25 13:37
Total Recoverable	Analysis	1638		1	4338	V1R	EET SSM	01/07/25 16:02
Dissolved	Prep	3005A			800001	S1Z	EET CHI	12/18/24 16:06 - 12/18/24 22:06 [1]
Dissolved	Analysis	6020B		1	801552	RN	EET CHI	01/02/25 19:13
Dissolved	Prep	3005A			800001	S1Z	EET CHI	12/18/24 16:06 - 12/18/24 22:06 [1]
Dissolved	Analysis	6020B		1	801728	RN	EET CHI	01/03/25 13:37
Total Recoverable	Prep	3005A			800001	S1Z	EET CHI	12/18/24 16:06 - 12/18/24 22:06 [1]
Total Recoverable	Analysis	6020B		1	801552	RN	EET CHI	01/02/25 18:33
Total Recoverable	Prep	3005A			800001	S1Z	EET CHI	12/18/24 16:06 - 12/18/24 22:06 [1]
Total Recoverable	Analysis	SM 2340B		1	800560	DAJ	EET CHI	01/03/25 09:29
Total/NA	Analysis	300.0		1	798941	MM	EET CHI	12/11/24 12:04
Total/NA	Analysis	300.0		1	798942	MM	EET CHI	12/11/24 12:04
Total/NA	Prep	Distill/CN			799160	AC	EET CHI	12/12/24 13:15 - 12/12/24 13:45 [1]
Total/NA	Analysis	335.4		1	799205	AC	EET CHI	12/12/24 15:42
Total/NA	Prep	Distill/Ammonia			800886	KF	EET CHI	12/27/24 11:21 - 12/27/24 12:21 [1]
Total/NA	Analysis	350.1		1	800975	KF	EET CHI	12/28/24 11:40
Total/NA	Prep	365.2/365.3/365			799544	ST	EET CHI	12/16/24 09:29 - 12/16/24 13:29 [1]
Total/NA	Analysis	365.1		1	800190	KF	EET CHI	12/19/24 13:35
Total/NA	Analysis	SM 2320B		1	799707	SO	EET CHI	12/16/24 17:21
Total/NA	Analysis	SM 2520B		1	801731	TR	EET CHI	01/06/25 08:16
Total/NA	Analysis	SM 2540C		1	799049	CLB	EET CHI	12/12/24 02:04
Total/NA	Analysis	SM 2540D		1	799346	SO	EET CHI	12/13/24 13:06 - 12/13/24 13:09 [1]
Total/NA	Analysis	SM 4500 S2 F		1	799488	CLB	EET CHI	12/15/24 22:40 - 12/15/24 22:45 [1]
Dissolved	Analysis	SM 5310C		1	800995	TR	EET CHI	12/29/24 09:55
Total/NA	Analysis	SM 5310C		1	800212	TR	EET CHI	12/19/24 01:01

Client Sample ID: SMW-1_20241209_FBLL

Lab Sample ID: 500-261306-12

Date Collected: 12/09/24 15:20

Matrix: Water

Date Received: 12/11/24 09:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	1631E		1	4226	CL	EET SSM	12/30/24 17:29

Lab Chronicle

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261306-1

Client Sample ID: EB-01-GW_20241209

Lab Sample ID: 500-261306-13

Date Collected: 12/09/24 19:00

Matrix: Water

Date Received: 12/11/24 09:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	1630			4101	CL	EET SSM	12/26/24 12:35
Total/NA	Analysis	1630		1	4145	COW	EET SSM	12/26/24 21:09
Total/NA	Analysis	1631E		1	4226	CL	EET SSM	12/30/24 17:33
Total Recoverable	Prep	1638			4297	CL	EET SSM	01/06/25 13:37
Total Recoverable	Analysis	1638		1	4338	V1R	EET SSM	01/07/25 16:06
Total Recoverable	Prep	3005A			800001	S1Z	EET CHI	12/18/24 16:06 - 12/18/24 22:06 [1]
Total Recoverable	Analysis	6020B		1	801552	RN	EET CHI	01/02/25 18:36
Total Recoverable	Prep	3005A			800001	S1Z	EET CHI	12/18/24 16:06 - 12/18/24 22:06 [1]
Total Recoverable	Analysis	SM 2340B		1	800560	DAJ	EET CHI	01/03/25 09:29
Total/NA	Analysis	300.0		1	798941	MM	EET CHI	12/11/24 12:51
Total/NA	Analysis	300.0		1	798942	MM	EET CHI	12/11/24 12:51
Total/NA	Prep	Distill/CN			799160	AC	EET CHI	12/12/24 13:15 - 12/12/24 13:45 [1]
Total/NA	Analysis	335.4		1	799205	AC	EET CHI	12/12/24 15:44
Total/NA	Prep	Distill/Ammonia			800886	KF	EET CHI	12/27/24 11:21 - 12/27/24 12:21 [1]
Total/NA	Analysis	350.1		1	800975	KF	EET CHI	12/28/24 11:41
Total/NA	Prep	365.2/365.3/365			799544	ST	EET CHI	12/16/24 09:29 - 12/16/24 13:29 [1]
Total/NA	Analysis	365.1		1	800190	KF	EET CHI	12/19/24 13:36
Total/NA	Analysis	SM 2320B		1	799707	SO	EET CHI	12/16/24 17:30
Total/NA	Analysis	SM 2520B		1	801731	TR	EET CHI	01/06/25 08:16
Total/NA	Analysis	SM 2540C		1	799049	CLB	EET CHI	12/12/24 02:07
Total/NA	Analysis	SM 2540D		1	799346	SO	EET CHI	12/13/24 13:09 - 12/13/24 13:12 [1]
Total/NA	Analysis	SM 4500 S2 F		1	799488	CLB	EET CHI	12/15/24 22:44 - 12/15/24 22:49 [1]
Total/NA	Analysis	SM 5310C		1	801887	TR	EET CHI	01/06/25 17:03

Client Sample ID: EB-01-GW_20241209-FBLL

Lab Sample ID: 500-261306-14

Date Collected: 12/09/24 19:00

Matrix: Water

Date Received: 12/11/24 09:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	1631E		1	4226	CL	EET SSM	12/30/24 17:37

[1] This procedure uses a method stipulated length of time for the process. Both start and end times are displayed.

Laboratory References:

EET CHI = Eurofins Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

EET SSM = Eurofins Seattle Specialty Metals, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

Accreditation/Certification Summary

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261306-1

Laboratory: Eurofins Chicago

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Georgia	State	N/A	05-31-25
Georgia (DW)	State	939	05-31-25
Hawaii	State	NA	05-31-25
Illinois	NELAP	100201	05-31-25
Indiana	State	C-IL-02	05-31-25
Iowa	State	082	05-01-26
Kansas	NELAP	E-10161	10-31-25
Kentucky (UST)	State	AI # 108083	05-31-25
Kentucky (WW)	State	KY90023	12-31-24 *
Louisiana (All)	NELAP	02046	06-30-25
Mississippi	State	NA	05-31-25
North Carolina (WW/SW)	State	291	12-31-25
North Dakota	State	R-194	04-29-24 *
Oklahoma	State	8908	08-31-24 *
South Carolina	State	77001003	05-31-25
USDA	US Federal Programs	P330-18-00018	03-30-26
Wisconsin	State	999580010	08-31-25
Wyoming	State	8TMS-Q	05-31-25

Laboratory: Eurofins Seattle Specialty Metals

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	20-004	02-19-25
ANAB	Dept. of Defense ELAP	L2236	01-19-25
ANAB	ISO/IEC 17025	L2236	01-19-25
California	State	2954	07-07-25
Florida	NELAP	E87575	06-30-25
Louisiana (All)	NELAP	03073	06-30-25
Maine	State	WA01273	05-02-26
New Jersey	NELAP	WA014	06-30-25
New York	NELAP	11662	04-01-25
Oregon	NELAP	4167-008	07-07-25
US Fish & Wildlife	US Federal Programs	A20571	06-30-25
USDA	US Federal Programs	525-23-4-22573	01-04-26
Washington	State	C788-23a	07-13-25
Wisconsin	State	399133460	07-31-25

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Eurofins Chicago
2417 Bond Street
University Park, IL 60484
Phone (708) 534-5200 Phone (708) 534-5211

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Jacob Dean	Lab PM: Fredrick, Sandie	Carrier Tracking No(s): 422195222260	COC No: 500-130281-50241 7
Client Contact: Amanda Zeidler	Phone: 906-487-7454	E-Mail: Sandra Fredrick@et eurofinsus com	State of Origin: Michigan	Page: Page 1 of 1
Company: White Pine Copper LLC	PWSID:			Job #: 500-261306
Address: 35362 Mall Circle Drive	Due Date Requested:			
City: White Pine	TAT Requested (days): 10 days			
State, Zip: MI, 49971	Compliance Project: Δ Yes Δ No			
Phone: 906-204-6500	PO #: Purchase Order not required			
Email: AZeidler@whitepinecu com	WO #:			
Project Name: White Pines, MI	Project #: 50023455			
Site: White Pine North Baseline Sampling	SSOW#:			

Analysis Requested

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	350.1 Ammonia, 365.1 Phos	2320B, 2540C, 2540D, 300.0_28D, 300_48HR, SM2520_B	SM4500_S2_F - Sulfide, Total	335.4 - Cyanide, Total	SM5310_DOC_C - Organic Carbon, Dissolved (DOC) - tripli	6020B, SM2340B Total Metals / Hardness	1638 - Uranium only (ICP/MS)	1631E - Mercury, Low Level (CVAFS)	1630_ME - Methyl Mercury	6020B - Dissolved Metals (ICP/MS) - 27 elements	1638 - Dissolved Uranium only (ICP/MS) (field f	1631E - Dissolved Mercury, Low Level (CVAFS) (fi	1630_ME - Dissolved Methyl Mercury (field filtered)	5310C - TOC	Total Number of containers	Special Instructions/Note:
			Preservation Code:				S	N	CB	B	S	D	D	N	A	D	D	N	A	S		
1 PNC-03_20241209	12.9.24	16:00	G	Water			X	X	X	X	X	X	X	X	X	X	X	X	X	X	22	
2 PNC-03_20241209_FBLL	12.9.24	16:00	G	Water										X							2	
3 MW-5A_20241209	12-9-24	11:20	G	Water		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	22	
4 MW-5A_20241209_FBLL	12-9-24	11:20	G	Water		X								X							2	
				Water																		
				Water																		
				Water																		
				Water																		
				Water																		
				Water																		
				Water																		

Preservation Codes:
S H2SO4
N None
CB ZnAcetate/NaOH
B Na
D HN
A HC

500-261306 COC

Other:

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements: MDLs must meet Michigan requirements

Empty Kit Relinquished by:	Date	Time	Method of Shipment: FedEx Priority overnight

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1	Jacob Dean	12-9-24 18:00	MSG		12-9-24 18:00	MSG
2		12-10-24 10:30	MSG	FedEx 422195222260		
3				Stephanie Hernandez	12/11/24 0925	EETA

Custody Seals Intact: Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks: 5.1+5.0, 4.1+4.0, 3.9+3.8, 3.6+3.5 4.3+4.2

Eurofins Chicago
2417 Bond Street
University Park, IL 60484
Phone (708) 534-5200 Phone (708) 534-5211

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Jacob Dean	Lab PM: Fredrick, Sandie	Carrier Tracking No(s): 422195222259	COC No: 500-130281-50241 39
Client Contact: Amanda Zeidler	Phone: 906-487-7454	E-Mail: Sandra Fredrick@et eurofinsus com	State of Origin: Michigan	Page: Page 1 of 1
Company: White Pine Copper LLC	PWSID:			Job #: 500-261306
Address: 35362 Mall Circle Drive	Due Date Requested:			
City: White Pine	TAT Requested (days): 10 days			
State, Zip: MI, 49971	Compliance Project: Δ Yes Δ No			
Phone: 906-204-6500	PO #: Purchase Order not required			
Email: AZeidler@whitepinecu com	WO #:			
Project Name: White Pines, MI	Project #: 50023455			
Site: White Pine North Baseline Sampling	SSOW#:			

Analysis Requested

Preservation Codes:
S H2SO4
N None
CB ZnAcetate/NaOH
B NaOH
D HNO3
A HCL
Other:

	Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	350.1 Ammonia, 365.1 Phos	2320B, 2540C, 2540D, 300.0_28D, 300_48HR, SM2520_B	SM4500_S2_F - Sulfide, Total	335.4 - Cyanide, Total	SM5310_DOC_C - Organic Carbon, Dissolved (DOC) - tripli	6020B, SM2340B Total Metals / Hardness	1638 - Uranium only (ICP/MS)	1631E - Mercury, Low Level (CVAFS)	1630_ME - Methyl Mercury	6020B - Dissolved Metals (ICP/MS) - 27 elements	1638 - Dissolved Uranium only (ICP/MS) (field f	1631E - Dissolved Mercury, Low Level (CVAFS) (fi	1630_ME - Dissolved Methyl Mercury (field filtered)	5310C - TOC	Total Number of containers	Special Instructions/Note:
	Preservation Code:							S	N	CB	B	S	D	D	N	A	D	D	N	A	S		
3	MW-5A_20241209	12.9.24	11:20	G	Water		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	44	MS/MSD collected
4	MW-5A_20241209_FBLL	12.9.24	11:20	G	Water		Y								X							4	MS/MSD collected
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested I, II, III, IV, Other (specify)

Special Instructions/QC Requirements MDLs must meet Michigan requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment: FedEx Priority Overnight

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1	Jacob Dean	12-9-24 18:00	MSG		12-9-24 18:00	MSG
2		12-10-24 10:00	MSG	FedEx 422195222259		
3				Stephanie Hemmady	12/11/24 0925	EEA

Custody Seals Intact. Δ Yes Δ No | Custody Seal No | Cooler Temperature(s) °C and Other Remarks.

Eurofins Chicago
2417 Bond Street
University Park, IL 60484
Phone (708) 534-5200 Phone (708) 534-5211

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Ellen Cappernell	Lab PM: Fredrick, Sandie	Carrier Tracking No(s): 4221 9522 2248	COC No: 500-130281-50241 40
Client Contact: Amanda Zeidler	Phone: 517-513-2249	E-Mail: Sandra Fredrick@et.eurofinsus com	State of Origin: Michigan	Page: Page 1 of 1
Company: White Pine Copper LLC	PWSID:			Job #: 500-261306
Address: 35362 Mall Circle Drive	Due Date Requested:			
City: White Pine	TAT Requested (days): 10 days			
State, Zip: MI, 49971	Compliance Project: Δ Yes Δ No			
Phone: 906-204-6500	PO #: Purchase Order not required			
Email: AZeidler@whitepinecu com	WO #:			
Project Name: White Pines, MI	Project #: 50023455			
Site: White Pine North Baseline Sampling	SSOW#:			

Analysis Requested

Preservation Codes:
S H2SO4
N None
CB - ZnAcetate/NaOH
B - NaOH
D - HNO3
A - HCL
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	350.1 Ammonia, 365.1 Phos	2320B, 2540C, 2540D, 300.0_28D, 300_48HR, SM2520_B	SM4500_S2_F - Sulfide, Total	335.4 - Cyanide, Total	SM5310_DOC_C - Organic Carbon, Dissolved (DOC) - tripli	6020B, SM2340B Total Metals / Hardness	1638 - Uranium only (ICP/MS)	1631E - Mercury, Low Level (CVAFS)	1630_ME - Methyl Mercury	6020B - Dissolved Metals (ICP/MS) - 27 elements	1638 - Dissolved Uranium only (ICP/MS) (field f	1631E - Dissolved Mercury, Low Level (CVAFS) (fi	1630_ME - Dissolved Methyl Mercury (field filtered)	5310C - TOC	Total Number of containers	Special Instructions/Note:
			Preservation Code:				S	N	CB	B	S	D	D	N	A	D	D	N	A	S		
5 MW-31_20241209	12-9-24	11:45	G	Water			X	X	X	X	X	X	X	X	X	X	X	X	X	X	22	
6 MW-31_20241209_FBLK	12-9-24	11:45	G	Water										X							2	
7 SMW-15B_20241209	12-9-24	16:35	G	Water			X	X	X	X	X	X	X	X	X	X	X	X	X	X	22	
8 SMW-15B_20241209_FBLK	12.9.24	16:35	G	Water										X							2	
				Water																		
				Water																		
				Water																		
				Water																		
				Water																		
				Water																		
				Water																		

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested I, II, III, IV, Other (specify)

Special Instructions/QC Requirements MDLs must meet Michigan requirements

Empty Kit Relinquished by:	Date	Time	Method of Shipment: FedEx Priority Overnight

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1	Ellen Cappernell	12-9-24 18:30	MSG		12-9-24 18:30	MSG
2		12-10-24 1000	MSG	FedEx 422195222248		
3				Stephanie Hemandy	12/11/24 0925	EEA

Custody Seals Intact: Δ Yes Δ No
Custody Seal No
Cooler Temperature(s) °C and Other Remarks

Eurofins Chicago
2417 Bond Street
University Park, IL 60484
Phone (708) 534-5200 Phone (708) 534-5211

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Jacob Dean	Lab PM: Fredrick, Sandie	Carrier Tracking No(s): 422195222270	COC No: 500-130281-50241 13
Client Contact: Amanda Zeidler	Phone: 906-487-7454	E-Mail: Sandra Fredrick@et eurofinsus com	State of Origin: Michigan	Page: Page 1 of 1
Company: White Pine Copper LLC	PWSID:			Job #: 500-261306
Address: 35362 Mall Circle Drive	Due Date Requested:			
City: White Pine	TAT Requested (days): 10 days			
State, Zip: MI, 49971	Compliance Project: Δ Yes Δ No			
Phone: 906-204-6500	PO #: Purchase Order not required			
Email: AZeidler@whitepinecu com	WO #:			
Project Name: White Pines, MI	Project #: 50023455			
Site: White Pine North Baseline Sampling	SSOW#:			

Analysis Requested

Preservation Codes
S H2SO4
N None
CB ZnAcetate/NaOH
B NaOH
D HNO3
A HCL
Other:

	Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	350 1 Ammonia, 365.1 Phos	2320B, 2540C, 2540D, 300.0_28D, 300_48HR, SM2520_B	SM4500_S2_F - Sulfide, Total	335.4 - Cyanide, Total	SM5310_DOC_C - Organic Carbon, Dissolved (DOC) - tripli	6020B, SM2340B Total Metals / Hardness	1638 - Uranium only (ICP/MS)	1631E - Mercury, Low Level (CVAFS)	1630_ME - Methyl Mercury	6020B - Dissolved Metals (ICP/MS) - 27 elements	1638 - Dissolved Uranium only (ICP/MS) (field f	1631E - Dissolved Mercury, Low Level (CVAFS) (fi	1630_ME - Dissolved Methyl Mercury (field filtered)	5310C - TOC	Total Number of containers	Special Instructions/Note:
				Preservation Code:				S	N	CB	B	S	D	D	N	A	D	D	N	A	S		
9	MW-55B_20241209	12-9-24	14:40	G	Water			X	X	X	X	X	X	X	X	X	X	X	X	X	X	22	
10	MW-55B_20241209_FBLK	12-9-24	14:40	G	Water										X							2	
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested I, [II], III, IV, Other (specify)

Special Instructions/QC Requirements. MDLs must meet Michigan requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment: FedEx Priority Overnight

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1	Jacob Dean	12-9-24 18:00	MSG		12-9-24 18:00	MSG
2		12-10-24 11:00	MSG	FedEx 422195222270		
3				Stephanie Hernandez	12/11/24 0925	EEHA

Custody Seals Intact	Custody Seal No	Cooler Temperature(s) °C and Other Remarks.
Δ Yes Δ No		

Eurofins Chicago
2417 Bond Street
University Park, IL 60484
Phone (708) 534-5200 Phone (708) 534-5211

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Ellen Copperwell	Lab PM: Fredrick, Sandie	Carrier Tracking No(s): 422195222307	COC No: 500-130281-50241 10
Client Contact: Amanda Zeidler	Phone: 517-513-2249	E-Mail: Sandra Fredrick@et eurofinsus com	State of Origin: Michigan	Page: Page 1 of 1
Company: White Pine Copper LLC	PWSID:			Job #: 510-261306
Address: 35362 Mall Circle Drive	Due Date Requested			
City: White Pine	TAT Requested (days): 10 days			
State, Zip: MI, 49971	Compliance Project: Δ Yes Δ No			
Phone: 906-204-6500	PO #: Purchase Order not required			
Email: AZeidler@whitepinecu com	WO #:			
Project Name: White Pines, MI	Project #: 50023455			
Site: White Pine North Baseline Sampling	SSOW#:			

Analysis Requested

Preservation Codes: S H2SO4; N None; CB ZnAcetate/NaOH; B NaOH; D HNO3; A HCL; Other:

	Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	350.1 Ammonia, 365.1 Phos	2320B, 2540C, 2540D, 300.0_28D, 300_48HR, SM2520_B	SM4500_S2_F - Sulfide, Total	335.4 - Cyanide, Total	SM5310_DOC_C - Organic Carbon, Dissolved (DOC) - tripli	6020B, SM2340B Total Metals / Hardness	1638 - Uranium only (ICP/MS)	1631E - Mercury, Low Level (CVAFS)	1630_ME - Methyl Mercury	6020B - Dissolved Metals (ICP/MS) - 27 elements	1638 - Dissolved Uranium only (ICP/MS) (field f	1631E - Dissolved Mercury, Low Level (CVAFS) (fi	1630_ME - Dissolved Methyl Mercury (field filtered)	5310C - TOC	Total Number of containers	Special Instructions/Note:
				Preservation Code:				S	N	CB	B	S	D	D	N	A	D	D	N	A	S		
11	SMW-1_20241209	12-9-24	15:20	G	Water			X	X	X	X	X	X	X	X	X	X	X	X	X	X	22	
12	SMW-1_20241209_FBLL	12-9-24	15:20	G	Water										R							2	
13	EB-01-GW-20241209	12-9-24	19:00	G	Water			X	X	X	X		X	X	X	X					X	12	
14	EB-01-GW_20241209_FBLL	12-9-24	19:00	G	Water										X							2	
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, ☒ II, III, IV, Other (specify)

Special Instructions/QC Requirements: MDLs must meet Michigan requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment: FedEx Priority Overnight

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1		12-9-24 18:30	MSG		12-9-24 18:30	MSG
2		12-10-24 10:00	MSG	FedEx 422195222307		
3				Stephanie Hernandez	12/11/24 0925	EEA

Custody Seals Intact: Δ Yes Δ No | Custody Seal No:

Cooler Temperature(s) °C and Other Remarks:



JED CHRESTENSE
THE MANNIK & SMITH GROUP
616 SHELDEN AVE
SUITE 210
HOUGHTON, MI 49931
UNITED STATE US

CAD: 0780307/CAFE3855

Part # 159469-434 MTW EXP 07/25

TO SAMPLE RECEIPT
EUROFINS CHICAGO
2417 BOND ST.

UNIVERSITY PARK IL 60484
(708) 534-5200
INV
PO
REF
DEPT

RMA

FedEx Express

WED - 11 DEC AA
PRIORITY OVERNIGHT

FedEx
TRK# 0221 4221 9522 2307

XP JOTA 4.1+40

60484
IL-US
ORD

5025547 10Dec2024 CMXA 581G4/EB78/5FE5

JED CHRESTENSEN
THE MANNIK & SMITH GROUP
616 SHELDEN AVE
SUITE 210
HOUGHTON, MI 49931
UN TED STATES US

ACTWGT: 25.00 B MAN
CAD: 0780307/CAF 3855

Part # 159469-434 MTW EXP 07/25

TO SAMPLE RECEIPT
EUROFINS CHICAGO
2417 BOND ST.

4.3+42

UNIVERSITY PARK IL 60484
(708) 534-5200
INV:
PO:
REF
DEPT:

RMA

FedEx Express

WED - 11 DEC AA
PRIORITY OVERNIGHT

FedEx
TRK# 0221 4221 9522 2248

XP JOTA

60484
IL-US
ORD

Eurofins Chicago
2417 Bond Street
University Park, IL 60484
Phone: 708-534-5200 Fax: 708-534-5211

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Fredrick, Sandie	Carrier Tracking No(s): N/A	COC No: 500-196122.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Sandra.Fredrick@et.eurofinsus.com	State of Origin: Michigan	Page: Page 1 of 2
Company: Eurofins Environment Testing Northwest,		Accreditations Required (See note): N/A		Job #: 500-261306-1
Address: 5755 8th Street East, ,	Due Date Requested: 1/6/2025			Preservation Codes:
City: Tacoma	TAT Requested (days): N/A			
State, Zip: WA, 98424				
Phone: 253-922-2310(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: White Pines, MI	Project #: 50023455			
Site: N/A	SSOW#: N/A			

Therm. ID: SC04 Cust. Seal: (Y) / N
Uncorr./Corr. Temp: 0.1/-0.2 °C
Delivery: UPS / (FedEx) / Other: ____
Ice Type: Blue / Dry / (Wet) / None
Label Ver.: ____ Packing: None

Therm. ID: SC0n/a Cust. Seal: (Y) / N
Uncorr./Corr. Temp: amb/amb °C Hg amb
Delivery: UPS / FedEx / Other: ____
Ice Type: Blue / Dry / (Wet) / None
Label Ver.: ____ Packing: None

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	1638/1638_Prep_W Uranium only (ICP/MS)	1631E/ Mercury, Low Level (CVAFS)	1630_ME/1630_Dist_PFP Methyl Mercury	1638/FIELD_FLTRD Dissolved Uranium only (ICP/MS) (field f	1631E/FIELD_FLTRD Dissolved Mercury, Low Level (CVAFS) (fi	1630_ME/FIELD_FLTRD Dissolved Methyl Mercury (field filtered	Total	Special Instructions/Note:
			Preservation Code:											
PNC-03_20241209 (500-261306-1)	12/9/24	16:00 Eastern	G	Water			X	X	X	X	X	X	8	
PNC-03_20241209_FBLL (500-261306-2)	12/9/24	16:00 Eastern	G	Water				X					2	
MW-5A_20241209 (500-261306-3)	12/9/24	11:20 Eastern	G	Water			X	X	X	X	X	X	8	
MW-5A_20241209 (500-261306-3MS)	12/9/24	11:20 Eastern	G	Water			X	X	X	X	X	X	8	
MW-5A_20241209 (500-261306-3MSD)	12/9/24	11:20 Eastern	G	Water			X	X	X	X	X	X	8	
MW-5A_20241209_FBLL (500-261306-4)	12/9/24	11:20 Eastern	G	Water				X					2	
MW-5A_20241209_FBLL (500-261306-4MS)	12/9/24	11:20 Eastern	G	Water				X					2	
MW-5A_20241209_FBLL (500-261306-4MSD)	12/9/24	11:20 Eastern	G	Water				X					2	
MW-31_20241209 (500-261306-5)	12/9/24	11:45 Eastern	G	Water			X	X	X	X	X	X	8	

Therm. ID: SC04 Cust. Seal: (Y) / N
Uncorr./Corr. Temp: 0.4/0.1 °C
Delivery: UPS / FedEx / Other: ____
Ice Type: Blue / Dry / (Wet) / None
Label Ver.: ____ Packing: None

Note: Since laboratory accreditations are subject to change, Eurofins Chicago places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the l maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Chicago laboratory or other instructions will be provided. Any changes to accreditation status should be broug on immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Chicago.

Possible Hazard Identification: Unconfirmed	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month): ☐ Return To Client ☐ Disposal By Lab ☐ Archive For ____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Hg cooler ambient 12-12-24

7051 7621 7391

Ver: 10/10/2024

1/8/2025

Eurofins Chicago
2417 Bond Street
University Park, IL 60484
Phone: 708-534-5200 Fax: 708-534-5211

Chain of Custody Record

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Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Fredrick, Sandie	Carrier Tracking No(s): N/A	COC No: 500-196122.2
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Sandra.Fredrick@et.eurofinsus.com	State of Origin: Michigan	Page: Page 2 of 2
Company: Eurofins Environment Testing Northwest,		Accreditations Required (See note): N/A		Job #: 500-261306-1
Address: 5755 8th Street East, ,	Due Date Requested: 1/6/2025			Preservation Codes:
City: Tacoma	TAT Requested (days): N/A			
State, Zip: WA, 98424				
Phone: 253-922-2310(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: White Pines, MI	Project #: 50023455			
Site: N/A	SSOW#: N/A			Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	1638/1638_Prep_W Uranium only (ICP/MS)	1631E/ Mercury, Low Level (CVAFS)	1630_ME/1630_Dist_PFP Methyl Mercury	1638/FIELD_FLTRD Dissolved Uranium only (ICP/MS) (field f	1631E/FIELD_FLTRD Dissolved Mercury, Low Level (CVAFS) (fi	1630_ME/FIELD_FLTRD Dissolved Methyl Mercury (field filtered	Total Number of containers	Special Instructions/Note:
			Preservation Code:											
MW-31_20241209_FBLL (500-261306-6)	12/9/24	11:45 Eastern	G	Water				X					2	
SMW-1SB_20241209 (500-261306-7)	12/9/24	16:35 Eastern	G	Water			X	X	X	X	X	X	8	
SMW-1SB_20241209_FBLL (500-261306-8)	12/9/24	16:35 Eastern	G	Water				X					2	
MW-5SB_20241209 (500-261306-9)	12/9/24	14:40 Eastern	G	Water			X	X	X	X	X	X	8	
MW-5SB_20241209_FBLL (500-261306-10)	12/9/24	14:40 Eastern	G	Water				X					2	
SMW-1_20241209 (500-261306-11)	12/9/24	15:20 Eastern	G	Water			X	X	X	X	X	X	8	
SMW-1_20241209_FBLL (500-261306-12)	12/9/24	15:20 Eastern	G	Water				X					2	
EB-01-GW_20241209 (500-261306-13)	12/9/24	19:00 Eastern	G	Water			X	X	X				4	
EB-01-GW_20241209-FBLL (500-261306-14)	12/9/24	19:00 Eastern	G	Water				X					2	

Analysis Requested

Note: Since laboratory accreditations are subject to change, Eurofins Chicago places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Chicago laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Chicago attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Chicago.

Possible Hazard Identification *Unconfirmed*	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*** ☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:
Empty Kit Relinquished by:	Date: Time: Method of Shipment:

Relinquished by: Shri Scott	Date/Time: 12/11/24 1610	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 10/10/2024

7051 7621 7591

Login Sample Receipt Checklist

Client: White Pine Copper LLC

Job Number: 500-261306-1

Login Number: 261306
List Number: 1
Creator: Scott, Sherri L

List Source: Eurofins Chicago

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	5.0,4.0,3.8,3.5,4.2
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: White Pine Copper LLC

Job Number: 500-261306-1

Login Number: 261306
List Number: 2
Creator: Groden, Kyle J

List Source: Eurofins Seattle Specialty Metals
List Creation: 12/12/24 03:36 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Amanda Zeidler
White Pine Copper LLC
35362 Mall Circle Drive
White Pine, Michigan 49971

Generated 1/8/2025 2:47:30 PM

JOB DESCRIPTION

White Pines, MI

JOB NUMBER

500-261422-1

Eurofins Chicago
2417 Bond Street
University Park IL 60484

See page two for job notes and contact information.

my EOL

Job Notes

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. This report is confidential and is intended for the sole use of Eurofins Environment Testing North Central, LLC and its client. All questions regarding this report should be directed to the Eurofins Environment Testing North Central, LLC Project Manager who has signed this report.

Results relate only to the items tested and the sample(s) as received by the laboratory. The results, detection limits (LOD) and Quantitation Limits (LOQ) have been adjusted for sample dilutions and/or solids content.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Chicago Project Manager.

Compliance Statement

The LOD and LOQ reported are adjusted by the dilution factor when a dilution factor greater than 1 is needed. Additionally, where results are indicated as being reported on a dry weight basis, the LOD and LOQ are adjusted for moisture content as well.

Definitions of Limits
- LOD = Limit of Detection = MDL as defined by 40 CFR part 136 Appendix B
- LOQ = Limit of Quantitation = 3.33 x LOD as defined by Wisconsin
- RL = Report Limit = a concentration supported by a standard in the calibration curves

Authorization



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Authorized for release by
Sandie Fredrick, Senior Project Manager
Sandra.Fredrick@et.eurofinsus.com
(920)261-1660

Table of Contents

Cover Page 1
Table of Contents 3
Case Narrative 4
Detection Summary 5
Method Summary 14
Sample Summary 15
Client Sample Results 16
Definitions 47
QC Association 48
QC Sample Results 57
Chronicle 69
Certification Summary 77
Chain of Custody 78
Receipt Checklists 91
Field Data Sheets 93

Job ID: 500-261422-1 — Eurofins Chicago

Job Narrative
500-261422-1

Receipt
The samples were received on 12/13/24 09:20. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 4 coolers at receipt time were -1.8º C, 0.5º C, 1.6º C and 4.5º C.

Receipt Exceptions
Sample #15 received two sets (3 vials each set) for sulfuric. One set had one vial labeled TOC and the other two labeled DOC. Other set all vials labeled DOC. Set with the one TOC vial labeled all as TOC.

The following samples were received outside of holding time: for IC NO2 and NO3. SBW-01_20241210 (500-261422-1), FB-01-GW_20241210 (500-261422-3), MW-3A_20241210 (500-261422-5), MW-3B_20241210 (500-261422-7), MW-2A_20241210 (500-261422-9), MW-2B_20241210 (500-261422-11), SBD-01_20241210 (500-261422-13) and DUP-01-GW_20241210 (500-261422-15)

Metals
Method 1638: The continuing calibration blank (CCB) for analytical batch 350-4338 contained Uranium above the reporting limit (RL). All reported samples associated with this CCB were either ND for this analyte or contained this analyte at a concentration greater than 10X the value found in the CCB; therefore, re-analysis of samples was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Field Service / Mobile Lab
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

General Chemistry
Method 300.0: The following samples were received outside of holding time: SBW-01_20241210 (500-261422-1), FB-01-GW_20241210 (500-261422-3), MW-3A_20241210 (500-261422-5), MW-3B_20241210 (500-261422-7), MW-2A_20241210 (500-261422-9), MW-2B_20241210 (500-261422-11), SBD-01_20241210 (500-261422-13) and DUP-01-GW_20241210 (500-261422-15).

Method 335.4: The matrix spike duplicate (MSD) recoveries for preparation batch 500-799428 and analytical batch 500-799432 were outside control limits. Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method SM 2320B: The method blank for analytical batch 500-799866 contained Alkalinity above the reporting limit (RL). Associated sample(s) were not re-analyzed because results were greater than 10X the value found in the method blank.

Method SM 2320B: The method blank for analytical batch 500-800446 contained Alkalinity and Bicarbonate Alkalinity as CaCO3 above the reporting limit. This target analyte concentration was non-detect in the associated sample; therefore, re-extraction and/or re-analysis of samples was not performed.

Method SM 2320B: The method blank for analytical batch 500-801026 contained Alkalinity above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261422-1

Client Sample ID: SBW-01_20241210

Lab Sample ID: 500-261422-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl Mercury	0.041	J B	0.050	0.022	ng/L	1		1630	Total/NA
Mercury	2.0		0.50	0.20	ng/L	1		1631E	Total/NA
Mercury	0.97		0.50	0.20	ng/L	1		1631E	Dissolved
Uranium	0.089		0.050	0.0098	ug/L	1		1638	Total Recoverable
Uranium	0.053		0.050	0.0098	ug/L	1		1638	Dissolved
Aluminum	370		100	25	ug/L	1		6020B	Total Recoverable
Arsenic	0.54	J	1.0	0.23	ug/L	1		6020B	Total Recoverable
Barium	53		2.5	0.73	ug/L	1		6020B	Total Recoverable
Boron	32	J B	50	13	ug/L	1		6020B	Total Recoverable
Calcium	32000		200	44	ug/L	1		6020B	Total Recoverable
Chromium	1.4	J	5.0	1.1	ug/L	1		6020B	Total Recoverable
Copper	19		2.0	0.50	ug/L	1		6020B	Total Recoverable
Iron	860		100	47	ug/L	1		6020B	Total Recoverable
Lead	0.21	J	0.50	0.19	ug/L	1		6020B	Total Recoverable
Lithium	3.6	J	10	2.5	ug/L	1		6020B	Total Recoverable
Magnesium	7400		200	49	ug/L	1		6020B	Total Recoverable
Manganese	82		2.5	0.79	ug/L	1		6020B	Total Recoverable
Molybdenum	6.0		5.0	2.5	ug/L	1		6020B	Total Recoverable
Potassium	1400		500	110	ug/L	1		6020B	Total Recoverable
Silver	0.15	J	0.50	0.12	ug/L	1		6020B	Total Recoverable
Sodium	5400		200	77	ug/L	1		6020B	Total Recoverable
Strontium	79		4.0	0.64	ug/L	1		6020B	Total Recoverable
Zinc	21		20	6.9	ug/L	1		6020B	Total Recoverable
Arsenic	0.40	J	1.0	0.23	ug/L	1		6020B	Dissolved
Barium	28		2.5	0.73	ug/L	1		6020B	Dissolved
Boron	31	J B	50	13	ug/L	1		6020B	Dissolved
Calcium	32000		200	44	ug/L	1		6020B	Dissolved
Copper	3.9		2.0	0.50	ug/L	1		6020B	Dissolved
Lithium	3.0	J	10	2.5	ug/L	1		6020B	Dissolved
Magnesium	7400		200	49	ug/L	1		6020B	Dissolved
Manganese	15		2.5	0.79	ug/L	1		6020B	Dissolved
Molybdenum	3.6	J	5.0	2.5	ug/L	1		6020B	Dissolved
Potassium	1000		500	110	ug/L	1		6020B	Dissolved
Sodium	4900		200	77	ug/L	1		6020B	Dissolved
Strontium	79		4.0	0.64	ug/L	1		6020B	Dissolved
Hardness as calcium carbonate	110		0.91	0.46	mg/L	1		SM 2340B	Total Recoverable

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261422-1

Client Sample ID: SBW-01_20241210 (Continued) — Lab Sample ID: 500-261422-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	1.7		1.0	0.42	mg/L	1		300.0	Total/NA
Sulfate	0.76	J	1.0	0.47	mg/L	1		300.0	Total/NA
Phosphorus as P	0.060		0.050	0.024	mg/L	1		365.1	Total/NA
Alkalinity	120	B	5.0	3.7	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	120	B	5.0	3.7	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	140		10	4.3	mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	25		8.3	3.2	mg/L	1		SM 2540D	Total/NA
Sulfide	1.3		1.0	0.23	mg/L	1		SM 4500 S2 F	Total/NA
Total Organic Carbon	7.6		1.0	0.47	mg/L	1		SM 5310C	Total/NA
Dissolved Organic Carbon	6.2		1.0	0.47	mg/L	1		SM 5310C	Dissolved

Client Sample ID: SBW-01_20241210_FBLL — Lab Sample ID: 500-261422-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	0.53		0.50	0.20	ng/L	1		1631E	Total/NA

Client Sample ID: FB-01-GW_20241210 — Lab Sample ID: 500-261422-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	0.57		0.50	0.20	ng/L	1		1631E	Total/NA
Uranium	0.016	J	0.050	0.0098	ug/L	1		1638	Total Recoverable
Total Dissolved Solids	16		10	4.3	mg/L	1		SM 2540C	Total/NA

Client Sample ID: FB-01-GW_20241210_FBLL — Lab Sample ID: 500-261422-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	0.56		0.50	0.20	ng/L	1		1631E	Total/NA

Client Sample ID: MW-3A_20241210 — Lab Sample ID: 500-261422-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	0.93		0.50	0.20	ng/L	1		1631E	Total/NA
Mercury	1.1		0.50	0.20	ng/L	1		1631E	Dissolved
Uranium	7.1		0.050	0.0098	ug/L	1		1638	Total Recoverable
Uranium	7.1		0.050	0.0098	ug/L	1		1638	Dissolved
Arsenic	1.2		1.0	0.23	ug/L	1		6020B	Total Recoverable
Barium	950		2.5	0.73	ug/L	1		6020B	Total Recoverable
Boron	390	B	50	13	ug/L	1		6020B	Total Recoverable
Calcium	250000		200	44	ug/L	1		6020B	Total Recoverable
Cobalt	1.3		1.0	0.40	ug/L	1		6020B	Total Recoverable
Copper	1.3	J	2.0	0.50	ug/L	1		6020B	Total Recoverable
Iron	4300		100	47	ug/L	1		6020B	Total Recoverable
Lithium	97		10	2.5	ug/L	1		6020B	Total Recoverable
Magnesium	51000		200	49	ug/L	1		6020B	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-3A_20241210 (Continued) — Lab Sample ID: 500-261422-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Manganese	2600		2.5	0.79	ug/L	1		6020B	Total Recoverable
Nickel	1.5	J	2.0	0.63	ug/L	1		6020B	Total Recoverable
Potassium	1900		500	110	ug/L	1		6020B	Total Recoverable
Sodium	170000		200	77	ug/L	1		6020B	Total Recoverable
Strontium	5000		4.0	0.64	ug/L	1		6020B	Total Recoverable
Zinc	10	J	20	6.9	ug/L	1		6020B	Total Recoverable
Arsenic	0.91	J	1.0	0.23	ug/L	1		6020B	Dissolved
Barium	970		2.5	0.73	ug/L	1		6020B	Dissolved
Boron	390	B	50	13	ug/L	1		6020B	Dissolved
Calcium	250000		200	44	ug/L	1		6020B	Dissolved
Cobalt	1.3		1.0	0.40	ug/L	1		6020B	Dissolved
Iron	4100		100	47	ug/L	1		6020B	Dissolved
Lithium	97		10	2.5	ug/L	1		6020B	Dissolved
Magnesium	52000		200	49	ug/L	1		6020B	Dissolved
Manganese	2600		2.5	0.79	ug/L	1		6020B	Dissolved
Nickel	1.5	J	2.0	0.63	ug/L	1		6020B	Dissolved
Potassium	2000		500	110	ug/L	1		6020B	Dissolved
Sodium	160000		200	77	ug/L	1		6020B	Dissolved
Strontium	5000		4.0	0.64	ug/L	1		6020B	Dissolved
Zinc	37		20	6.9	ug/L	1		6020B	Dissolved
Hardness as calcium carbonate	840		0.91	0.46	mg/L	1		SM 2340B	Total Recoverable
Bromide	4.9		1.0	0.45	mg/L	1		300.0	Total/NA
Chloride	480		20	8.4	mg/L	20		300.0	Total/NA
Sulfate	1.8		1.0	0.47	mg/L	1		300.0	Total/NA
Alkalinity	460	B	5.0	3.7	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	460	B	5.0	3.7	mg/L	1		SM 2320B	Total/NA
Salinity	1.3		0.33	0.33	psu	1		SM 2520B	Total/NA
Total Dissolved Solids	1700		10	4.3	mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	14		8.3	3.2	mg/L	1		SM 2540D	Total/NA
Total Organic Carbon	3.7		1.0	0.47	mg/L	1		SM 5310C	Total/NA
Dissolved Organic Carbon	3.7		1.0	0.47	mg/L	1		SM 5310C	Dissolved

Client Sample ID: MW-3A_20241210_FBLL — Lab Sample ID: 500-261422-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	0.39	J	0.50	0.20	ng/L	1		1631E	Total/NA

Client Sample ID: MW-3B_20241210 — Lab Sample ID: 500-261422-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	0.69		0.50	0.20	ng/L	1		1631E	Total/NA
Mercury	0.83		0.50	0.20	ng/L	1		1631E	Dissolved
Uranium	52		0.050	0.0098	ug/L	1		1638	Total Recoverable
Uranium	54		0.050	0.0098	ug/L	1		1638	Dissolved
Arsenic	0.29	J	1.0	0.23	ug/L	1		6020B	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-3B_20241210 (Continued) — Lab Sample ID: 500-261422-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	510		2.5	0.73	ug/L	1		6020B	Total Recoverable
Boron	120	B	50	13	ug/L	1		6020B	Total Recoverable
Calcium	89000		200	44	ug/L	1		6020B	Total Recoverable
Copper	0.86	J	2.0	0.50	ug/L	1		6020B	Total Recoverable
Lithium	45		10	2.5	ug/L	1		6020B	Total Recoverable
Magnesium	64000		200	49	ug/L	1		6020B	Total Recoverable
Manganese	14		2.5	0.79	ug/L	1		6020B	Total Recoverable
Potassium	1100		500	110	ug/L	1		6020B	Total Recoverable
Sodium	36000		200	77	ug/L	1		6020B	Total Recoverable
Strontium	1300		4.0	0.64	ug/L	1		6020B	Total Recoverable
Vanadium	3.7	J	5.0	2.2	ug/L	1		6020B	Total Recoverable
Zinc	8.4	J	20	6.9	ug/L	1		6020B	Total Recoverable
Arsenic	0.30	J	1.0	0.23	ug/L	1		6020B	Dissolved
Barium	520		2.5	0.73	ug/L	1		6020B	Dissolved
Boron	120	B	50	13	ug/L	1		6020B	Dissolved
Calcium	91000		200	44	ug/L	1		6020B	Dissolved
Copper	0.69	J	2.0	0.50	ug/L	1		6020B	Dissolved
Lithium	44		10	2.5	ug/L	1		6020B	Dissolved
Magnesium	65000		200	49	ug/L	1		6020B	Dissolved
Manganese	5.8		2.5	0.79	ug/L	1		6020B	Dissolved
Potassium	1200		500	110	ug/L	1		6020B	Dissolved
Sodium	36000		200	77	ug/L	1		6020B	Dissolved
Strontium	1300		4.0	0.64	ug/L	1		6020B	Dissolved
Vanadium	3.5	J	5.0	2.2	ug/L	1		6020B	Dissolved
Hardness as calcium carbonate	490		0.91	0.46	mg/L	1		SM 2340B	Total Recoverable
Bromide	0.87	J	1.0	0.45	mg/L	1		300.0	Total/NA
Chloride	78		10	4.2	mg/L	10		300.0	Total/NA
Sulfate	12		1.0	0.47	mg/L	1		300.0	Total/NA
Alkalinity	440	B	5.0	3.7	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	440	B	5.0	3.7	mg/L	1		SM 2320B	Total/NA
Salinity	0.33		0.33	0.33	psu	1		SM 2520B	Total/NA
Total Dissolved Solids	710		10	4.3	mg/L	1		SM 2540C	Total/NA
Total Organic Carbon	1.7		1.0	0.47	mg/L	1		SM 5310C	Total/NA
Dissolved Organic Carbon	1.8		1.0	0.47	mg/L	1		SM 5310C	Dissolved

Client Sample ID: MW-3B_20241210_FBLL — Lab Sample ID: 500-261422-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	0.56		0.50	0.20	ng/L	1		1631E	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261422-1

Client Sample ID: MW-2A_20241210 — Lab Sample ID: 500-261422-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	0.72		0.50	0.20	ng/L	1		1631E	Total/NA
Mercury	0.64		0.50	0.20	ng/L	1		1631E	Dissolved
Uranium	0.41		0.050	0.0098	ug/L	1		1638	Total Recoverable
Uranium	0.39		0.050	0.0098	ug/L	1		1638	Dissolved
Arsenic	2.3		1.0	0.23	ug/L	1		6020B	Total Recoverable
Barium	540		2.5	0.73	ug/L	1		6020B	Total Recoverable
Boron	410	B	50	13	ug/L	1		6020B	Total Recoverable
Calcium	160000		200	44	ug/L	1		6020B	Total Recoverable
Cobalt	1.8		1.0	0.40	ug/L	1		6020B	Total Recoverable
Iron	3700		100	47	ug/L	1		6020B	Total Recoverable
Lithium	46		10	2.5	ug/L	1		6020B	Total Recoverable
Magnesium	44000		200	49	ug/L	1		6020B	Total Recoverable
Manganese	4200		2.5	0.79	ug/L	1		6020B	Total Recoverable
Molybdenum	3.1	J	5.0	2.5	ug/L	1		6020B	Total Recoverable
Nickel	1.5	J	2.0	0.63	ug/L	1		6020B	Total Recoverable
Potassium	1800		500	110	ug/L	1		6020B	Total Recoverable
Sodium	63000		200	77	ug/L	1		6020B	Total Recoverable
Strontium	2200		4.0	0.64	ug/L	1		6020B	Total Recoverable
Zinc	12	J	20	6.9	ug/L	1		6020B	Total Recoverable
Arsenic	1.8		1.0	0.23	ug/L	1		6020B	Dissolved
Barium	530		2.5	0.73	ug/L	1		6020B	Dissolved
Boron	400	B	50	13	ug/L	1		6020B	Dissolved
Calcium	150000		200	44	ug/L	1		6020B	Dissolved
Cobalt	1.7		1.0	0.40	ug/L	1		6020B	Dissolved
Iron	2800		100	47	ug/L	1		6020B	Dissolved
Lithium	48		10	2.5	ug/L	1		6020B	Dissolved
Magnesium	44000		200	49	ug/L	1		6020B	Dissolved
Manganese	4000		2.5	0.79	ug/L	1		6020B	Dissolved
Molybdenum	3.4	J	5.0	2.5	ug/L	1		6020B	Dissolved
Nickel	1.5	J	2.0	0.63	ug/L	1		6020B	Dissolved
Potassium	1700		500	110	ug/L	1		6020B	Dissolved
Sodium	63000		200	77	ug/L	1		6020B	Dissolved
Strontium	2200		4.0	0.64	ug/L	1		6020B	Dissolved
Hardness as calcium carbonate	570		0.91	0.46	mg/L	1		SM 2340B	Total Recoverable
Bromide	1.2		1.0	0.45	mg/L	1		300.0	Total/NA
Chloride	120		10	4.2	mg/L	10		300.0	Total/NA
Alkalinity	490	B	5.0	3.7	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	490	B	5.0	3.7	mg/L	1		SM 2320B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-2A_20241210 (Continued) — Lab Sample ID: 500-261422-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Salinity	0.48		0.33	0.33	psu	1		SM 2520B	Total/NA
Total Dissolved Solids	810		10	4.3	mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	13		6.3	2.4	mg/L	1		SM 2540D	Total/NA
Total Organic Carbon	8.0		1.0	0.47	mg/L	1		SM 5310C	Total/NA
Dissolved Organic Carbon	7.6		1.0	0.47	mg/L	1		SM 5310C	Dissolved

Client Sample ID: MW-2A_20241210_FBLL — Lab Sample ID: 500-261422-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	0.36	J	0.50	0.20	ng/L	1		1631E	Total/NA

Client Sample ID: MW-2B_20241210 — Lab Sample ID: 500-261422-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	0.73		0.50	0.20	ng/L	1		1631E	Total/NA
Mercury	0.63		0.50	0.20	ng/L	1		1631E	Dissolved
Uranium	16		0.050	0.0098	ug/L	1		1638	Total Recoverable
Uranium	15		0.050	0.0098	ug/L	1		1638	Dissolved
Aluminum	290		100	25	ug/L	1		6020B	Total Recoverable
Arsenic	1.0		1.0	0.23	ug/L	1		6020B	Total Recoverable
Barium	810		2.5	0.73	ug/L	1		6020B	Total Recoverable
Boron	110	B	50	13	ug/L	1		6020B	Total Recoverable
Calcium	110000		200	44	ug/L	1		6020B	Total Recoverable
Copper	1.9	J	2.0	0.50	ug/L	1		6020B	Total Recoverable
Iron	430		100	47	ug/L	1		6020B	Total Recoverable
Lithium	32		10	2.5	ug/L	1		6020B	Total Recoverable
Magnesium	69000		200	49	ug/L	1		6020B	Total Recoverable
Manganese	83		2.5	0.79	ug/L	1		6020B	Total Recoverable
Nickel	0.88	J	2.0	0.63	ug/L	1		6020B	Total Recoverable
Potassium	3200		500	110	ug/L	1		6020B	Total Recoverable
Sodium	18000		200	77	ug/L	1		6020B	Total Recoverable
Strontium	1300		4.0	0.64	ug/L	1		6020B	Total Recoverable
Vanadium	5.7		5.0	2.2	ug/L	1		6020B	Total Recoverable
Arsenic	0.81	J	1.0	0.23	ug/L	1		6020B	Dissolved
Barium	840		2.5	0.73	ug/L	1		6020B	Dissolved
Boron	110	B	50	13	ug/L	1		6020B	Dissolved
Calcium	120000		200	44	ug/L	1		6020B	Dissolved
Copper	1.1	J	2.0	0.50	ug/L	1		6020B	Dissolved
Iron	54	J	100	47	ug/L	1		6020B	Dissolved
Lithium	32		10	2.5	ug/L	1		6020B	Dissolved

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-2B_20241210 (Continued) — Lab Sample ID: 500-261422-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Magnesium	71000		200	49	ug/L	1		6020B	Dissolved
Manganese	67		2.5	0.79	ug/L	1		6020B	Dissolved
Potassium	3200		500	110	ug/L	1		6020B	Dissolved
Sodium	18000		200	77	ug/L	1		6020B	Dissolved
Strontium	1400		4.0	0.64	ug/L	1		6020B	Dissolved
Vanadium	4.2	J	5.0	2.2	ug/L	1		6020B	Dissolved
Hardness as calcium carbonate	570		0.91	0.46	mg/L	1		SM 2340B	Total Recoverable
Bromide	0.50	J	1.0	0.45	mg/L	1		300.0	Total/NA
Chloride	58		5.0	2.1	mg/L	5		300.0	Total/NA
Sulfate	12		1.0	0.47	mg/L	1		300.0	Total/NA
Alkalinity	490	B	5.0	3.7	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	490	B	5.0	3.7	mg/L	1		SM 2320B	Total/NA
Salinity	0.33		0.33	0.33	psu	1		SM 2520B	Total/NA
Total Dissolved Solids	710		10	4.3	mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	19		5.0	1.9	mg/L	1		SM 2540D	Total/NA
Total Organic Carbon	2.6		1.0	0.47	mg/L	1		SM 5310C	Total/NA
Dissolved Organic Carbon	2.7		1.0	0.47	mg/L	1		SM 5310C	Dissolved

Client Sample ID: MW-2B_20241210_FBLL — Lab Sample ID: 500-261422-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	0.32	J	0.50	0.20	ng/L	1		1631E	Total/NA

Client Sample ID: SBD-01_20241210 — Lab Sample ID: 500-261422-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	0.60		0.50	0.20	ng/L	1		1631E	Total/NA
Mercury	0.77		0.50	0.20	ng/L	1		1631E	Dissolved
Uranium	0.18		0.050	0.0098	ug/L	1		1638	Total Recoverable
Uranium	0.20		0.050	0.0098	ug/L	1		1638	Dissolved
Aluminum	270		100	25	ug/L	1		6020B	Total Recoverable
Arsenic	0.50	J	1.0	0.23	ug/L	1		6020B	Total Recoverable
Barium	44		2.5	0.73	ug/L	1		6020B	Total Recoverable
Boron	53	B	50	13	ug/L	1		6020B	Total Recoverable
Calcium	36000		200	44	ug/L	1		6020B	Total Recoverable
Copper	2.1		2.0	0.50	ug/L	1		6020B	Total Recoverable
Iron	850		100	47	ug/L	1		6020B	Total Recoverable
Lithium	9.2	J	10	2.5	ug/L	1		6020B	Total Recoverable
Magnesium	6900		200	49	ug/L	1		6020B	Total Recoverable
Manganese	130		2.5	0.79	ug/L	1		6020B	Total Recoverable
Molybdenum	7.5		5.0	2.5	ug/L	1		6020B	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client Sample ID: SBD-01_20241210 (Continued) — Lab Sample ID: 500-261422-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Potassium	2200		500	110	ug/L	1		6020B	Total Recoverable
Sodium	7400		200	77	ug/L	1		6020B	Total Recoverable
Strontium	180		4.0	0.64	ug/L	1		6020B	Total Recoverable
Arsenic	0.36	J	1.0	0.23	ug/L	1		6020B	Dissolved
Barium	38		2.5	0.73	ug/L	1		6020B	Dissolved
Boron	51	B	50	13	ug/L	1		6020B	Dissolved
Calcium	36000		200	44	ug/L	1		6020B	Dissolved
Copper	0.96	J	2.0	0.50	ug/L	1		6020B	Dissolved
Iron	88	J	100	47	ug/L	1		6020B	Dissolved
Lithium	9.4	J	10	2.5	ug/L	1		6020B	Dissolved
Magnesium	6800		200	49	ug/L	1		6020B	Dissolved
Manganese	27		2.5	0.79	ug/L	1		6020B	Dissolved
Molybdenum	6.2		5.0	2.5	ug/L	1		6020B	Dissolved
Potassium	2000		500	110	ug/L	1		6020B	Dissolved
Sodium	7400		200	77	ug/L	1		6020B	Dissolved
Strontium	180		4.0	0.64	ug/L	1		6020B	Dissolved
Hardness as calcium carbonate	120		0.91	0.46	mg/L	1		SM 2340B	Total Recoverable
Chloride	8.7		1.0	0.42	mg/L	1		300.0	Total/NA
Sulfate	1.5		1.0	0.47	mg/L	1		300.0	Total/NA
Alkalinity	110	B	5.0	3.7	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	110	B	5.0	3.7	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	160		10	4.3	mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	17		8.3	3.2	mg/L	1		SM 2540D	Total/NA
Sulfide	1.2		1.0	0.23	mg/L	1		SM 4500 S2 F	Total/NA
Total Organic Carbon	9.3		1.0	0.47	mg/L	1		SM 5310C	Total/NA
Dissolved Organic Carbon	8.2		1.0	0.47	mg/L	1		SM 5310C	Dissolved

Client Sample ID: SBD-01_20241210_FBLL — Lab Sample ID: 500-261422-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	0.35	J	0.50	0.20	ng/L	1		1631E	Total/NA

Client Sample ID: DUP-01-GW_20241210 — Lab Sample ID: 500-261422-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	0.80		0.50	0.20	ng/L	1		1631E	Total/NA
Mercury	0.78		0.50	0.20	ng/L	1		1631E	Dissolved
Uranium	0.39		0.050	0.0098	ug/L	1		1638	Total Recoverable
Uranium	0.39		0.050	0.0098	ug/L	1		1638	Dissolved
Arsenic	2.3		1.0	0.23	ug/L	1		6020B	Total Recoverable
Barium	550		2.5	0.73	ug/L	1		6020B	Total Recoverable
Boron	410	B	50	13	ug/L	1		6020B	Total Recoverable
Calcium	150000		200	44	ug/L	1		6020B	Total Recoverable
Cobalt	1.8		1.0	0.40	ug/L	1		6020B	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client Sample ID: DUP-01-GW_20241210 (Continued) — Lab Sample ID: 500-261422-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Iron	3800		100	47	ug/L	1		6020B	Total Recoverable
Lithium	45		10	2.5	ug/L	1		6020B	Total Recoverable
Magnesium	45000		200	49	ug/L	1		6020B	Total Recoverable
Manganese	4200		2.5	0.79	ug/L	1		6020B	Total Recoverable
Molybdenum	3.2	J	5.0	2.5	ug/L	1		6020B	Total Recoverable
Nickel	1.6	J	2.0	0.63	ug/L	1		6020B	Total Recoverable
Potassium	1800		500	110	ug/L	1		6020B	Total Recoverable
Sodium	64000		200	77	ug/L	1		6020B	Total Recoverable
Strontium	2200		4.0	0.64	ug/L	1		6020B	Total Recoverable
Arsenic	1.8		1.0	0.23	ug/L	1		6020B	Dissolved
Barium	530		2.5	0.73	ug/L	1		6020B	Dissolved
Boron	400	B	50	13	ug/L	1		6020B	Dissolved
Calcium	160000		200	44	ug/L	1		6020B	Dissolved
Cobalt	1.8		1.0	0.40	ug/L	1		6020B	Dissolved
Iron	2800		100	47	ug/L	1		6020B	Dissolved
Lithium	45		10	2.5	ug/L	1		6020B	Dissolved
Magnesium	44000		200	49	ug/L	1		6020B	Dissolved
Manganese	4000		2.5	0.79	ug/L	1		6020B	Dissolved
Molybdenum	3.2	J	5.0	2.5	ug/L	1		6020B	Dissolved
Nickel	1.5	J	2.0	0.63	ug/L	1		6020B	Dissolved
Potassium	1700		500	110	ug/L	1		6020B	Dissolved
Sodium	63000		200	77	ug/L	1		6020B	Dissolved
Strontium	2200		4.0	0.64	ug/L	1		6020B	Dissolved
Hardness as calcium carbonate	570		0.91	0.46	mg/L	1		SM 2340B	Total Recoverable
Bromide	1.0		1.0	0.45	mg/L	1		300.0	Total/NA
Chloride	120		10	4.2	mg/L	10		300.0	Total/NA
Alkalinity	490	B	5.0	3.7	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	490	B	5.0	3.7	mg/L	1		SM 2320B	Total/NA
Salinity	0.48		0.33	0.33	psu	1		SM 2520B	Total/NA
Total Dissolved Solids	780		10	4.3	mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	13		11	4.4	mg/L	1		SM 2540D	Total/NA
Total Organic Carbon	8.1		1.0	0.47	mg/L	1		SM 5310C	Total/NA
Dissolved Organic Carbon	7.7		1.0	0.47	mg/L	1		SM 5310C	Dissolved

Client Sample ID: DUP-01-GW_20241210_FBLL — Lab Sample ID: 500-261422-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	0.35	J	0.50	0.20	ng/L	1		1631E	Total/NA

This Detection Summary does not include radiochemical test results.

Method Summary

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261422-1

Method	Method Description	Protocol	Laboratory
1630	Methyl Mercury	EPA	EET SSM
1631E	Mercury, Low Level (CVAFS)	EPA	EET SSM
1638	Metals (ICP/MS)	EPA	EET SSM
6020B	Metals (ICP/MS)	SW846	EET CHI
SM 2340B	Total Hardness (as CaCO3) by calculation	SM	EET CHI
300.0	Anions, Ion Chromatography	EPA	EET CHI
335.4	Cyanide, Total	EPA	EET CHI
350.1	Nitrogen, Ammonia	EPA	EET CHI
365.1	Phosphorus, Total	EPA	EET CHI
SM 2320B	Alkalinity	SM	EET CHI
SM 2520B	Salinity	SM	EET CHI
SM 2540C	Solids, Total Dissolved (TDS)	SM	EET CHI
SM 2540D	Solids, Total Suspended (TSS)	SM	EET CHI
SM 4500 S2 F	Sulfide, Total	SM	EET CHI
SM 5310C	Organic Carbon, Dissolved (DOC)	SM	EET CHI
SM 5310C	TOC	SM	EET CHI
1630	Distillation, Methyl Mercury	EPA	EET SSM
1638	Preparation, Total Recoverable Metals	EPA	EET SSM
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET CHI
365.2/365.3/365	Phosphorus, Total	EPA	EET CHI
Distill/Ammonia	Distillation, Ammonia	None	EET CHI
Distill/CN	Distillation, Cyanide	None	EET CHI

Protocol References:

EPA = US Environmental Protection Agency

None = None

SM = "Standard Methods For The Examination Of Water And Wastewater"

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET CHI = Eurofins Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

EET SSM = Eurofins Seattle Specialty Metals, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

Sample Summary

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261422-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-261422-1	SBW-01_20241210	Water	12/10/24 14:30	12/13/24 09:20
500-261422-2	SBW-01_20241210_FBLL	Water	12/10/24 14:30	12/13/24 09:20
500-261422-3	FB-01-GW_20241210	Water	12/10/24 17:00	12/13/24 09:20
500-261422-4	FB-01-GW_20241210_FBLL	Water	12/10/24 17:00	12/13/24 09:20
500-261422-5	MW-3A_20241210	Water	12/10/24 15:40	12/13/24 09:20
500-261422-6	MW-3A_20241210_FBLL	Water	12/10/24 15:40	12/13/24 09:20
500-261422-7	MW-3B_20241210	Water	12/10/24 17:00	12/13/24 09:20
500-261422-8	MW-3B_20241210_FBLL	Water	12/10/24 17:00	12/13/24 09:20
500-261422-9	MW-2A_20241210	Water	12/10/24 09:50	12/13/24 09:20
500-261422-10	MW-2A_20241210_FBLL	Water	12/10/24 09:50	12/13/24 09:20
500-261422-11	MW-2B_20241210	Water	12/10/24 12:20	12/13/24 09:20
500-261422-12	MW-2B_20241210_FBLL	Water	12/10/24 12:20	12/13/24 09:20
500-261422-13	SBD-01_20241210	Water	12/10/24 13:00	12/13/24 09:20
500-261422-14	SBD-01_20241210_FBLL	Water	12/10/24 13:00	12/13/24 09:20
500-261422-15	DUP-01-GW_20241210	Water	12/10/24 23:59	12/13/24 09:20
500-261422-16	DUP-01-GW_20241210_FBLL	Water	12/10/24 23:59	12/13/24 09:20

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261422-1

Client Sample ID: SBW-01_20241210

Date Collected: 12/10/24 14:30
Date Received: 12/13/24 09:20

Lab Sample ID: 500-261422-1

Matrix: Water

Method: EPA 1630 - Methyl Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	**0.041**	**J B**	0.050	0.022	ng/L		12/27/24 11:42	12/27/24 18:44	1

Method: EPA 1630 - Methyl Mercury - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		12/27/24 11:42	12/27/24 18:54	1

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**2.0**		0.50	0.20	ng/L			12/30/24 16:31	1

Method: EPA 1631E - Mercury, Low Level (CVAFS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.97**		0.50	0.20	ng/L			12/30/24 16:35	1

Method: EPA 1638 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.089**		0.050	0.0098	ug/L		01/06/25 13:37	01/07/25 16:44	1

Method: EPA 1638 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.053**		0.050	0.0098	ug/L		01/06/25 13:37	01/07/25 16:51	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**370**		100	25	ug/L		12/26/24 08:47	01/06/25 14:33	1
Antimony	<1.3		3.0	1.3	ug/L		12/26/24 08:47	01/06/25 14:33	1
Arsenic	**0.54**	**J**	1.0	0.23	ug/L		12/26/24 08:47	01/06/25 14:33	1
Barium	**53**		2.5	0.73	ug/L		12/26/24 08:47	01/06/25 14:33	1
Beryllium	<0.53		1.0	0.53	ug/L		12/26/24 08:47	01/06/25 14:33	1
Boron	**32**	**J B**	50	13	ug/L		12/26/24 08:47	01/06/25 14:33	1
Cadmium	<0.17		0.50	0.17	ug/L		12/26/24 08:47	01/06/25 14:33	1
Calcium	**32000**		200	44	ug/L		12/26/24 08:47	01/06/25 14:33	1
Chromium	**1.4**	**J**	5.0	1.1	ug/L		12/26/24 08:47	01/06/25 14:33	1
Cobalt	<0.40		1.0	0.40	ug/L		12/26/24 08:47	01/06/25 14:33	1
Copper	**19**		2.0	0.50	ug/L		12/26/24 08:47	01/06/25 14:33	1
Iron	**860**		100	47	ug/L		12/26/24 08:47	01/06/25 14:33	1
Lead	**0.21**	**J**	0.50	0.19	ug/L		12/26/24 08:47	01/06/25 14:33	1
Lithium	**3.6**	**J**	10	2.5	ug/L		12/26/24 08:47	01/06/25 14:33	1
Magnesium	**7400**		200	49	ug/L		12/26/24 08:47	01/06/25 14:33	1
Manganese	**82**		2.5	0.79	ug/L		12/26/24 08:47	01/06/25 14:33	1
Molybdenum	**6.0**		5.0	2.5	ug/L		12/26/24 08:47	01/06/25 14:33	1
Nickel	<0.63		2.0	0.63	ug/L		12/26/24 08:47	01/06/25 14:33	1
Potassium	**1400**		500	110	ug/L		12/26/24 08:47	01/06/25 14:33	1
Selenium	<0.98		2.5	0.98	ug/L		12/26/24 08:47	01/06/25 14:33	1
Silver	**0.15**	**J**	0.50	0.12	ug/L		12/26/24 08:47	01/06/25 14:33	1
Sodium	**5400**		200	77	ug/L		12/26/24 08:47	01/06/25 14:33	1
Strontium	**79**		4.0	0.64	ug/L		12/26/24 08:47	01/06/25 14:33	1
Thallium	<0.57		2.0	0.57	ug/L		12/26/24 08:47	01/06/25 14:33	1
Tin	<1.3		5.0	1.3	ug/L		12/26/24 08:47	01/06/25 14:33	1
Vanadium	<2.2		5.0	2.2	ug/L		12/26/24 08:47	01/06/25 14:33	1
Zinc	**21**		20	6.9	ug/L		12/26/24 08:47	01/06/25 14:33	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261422-1

Client Sample ID: SBW-01_20241210

Date Collected: 12/10/24 14:30
Date Received: 12/13/24 09:20

Lab Sample ID: 500-261422-1

Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<25		100	25	ug/L		12/26/24 08:47	01/06/25 14:53	1
Antimony	<1.3		3.0	1.3	ug/L		12/26/24 08:47	01/06/25 14:53	1
Arsenic	**0.40**	**J**	1.0	0.23	ug/L		12/26/24 08:47	01/06/25 14:53	1
Barium	**28**		2.5	0.73	ug/L		12/26/24 08:47	01/06/25 14:53	1
Beryllium	<0.53		1.0	0.53	ug/L		12/26/24 08:47	01/06/25 14:53	1
Boron	**31**	**J B**	50	13	ug/L		12/26/24 08:47	01/06/25 14:53	1
Cadmium	<0.17		0.50	0.17	ug/L		12/26/24 08:47	01/06/25 14:53	1
Calcium	**32000**		200	44	ug/L		12/26/24 08:47	01/06/25 14:53	1
Chromium	<1.1		5.0	1.1	ug/L		12/26/24 08:47	01/06/25 14:53	1
Cobalt	<0.40		1.0	0.40	ug/L		12/26/24 08:47	01/06/25 14:53	1
Copper	**3.9**		2.0	0.50	ug/L		12/26/24 08:47	01/06/25 14:53	1
Iron	<47		100	47	ug/L		12/26/24 08:47	01/06/25 14:53	1
Lead	<0.19		0.50	0.19	ug/L		12/26/24 08:47	01/06/25 14:53	1
Lithium	**3.0**	**J**	10	2.5	ug/L		12/26/24 08:47	01/06/25 14:53	1
Magnesium	**7400**		200	49	ug/L		12/26/24 08:47	01/06/25 14:53	1
Manganese	**15**		2.5	0.79	ug/L		12/26/24 08:47	01/06/25 14:53	1
Molybdenum	**3.6**	**J**	5.0	2.5	ug/L		12/26/24 08:47	01/06/25 14:53	1
Nickel	<0.63		2.0	0.63	ug/L		12/26/24 08:47	01/06/25 14:53	1
Potassium	**1000**		500	110	ug/L		12/26/24 08:47	01/06/25 14:53	1
Selenium	<0.98		2.5	0.98	ug/L		12/26/24 08:47	01/06/25 14:53	1
Silver	<0.12		0.50	0.12	ug/L		12/26/24 08:47	01/06/25 14:53	1
Sodium	**4900**		200	77	ug/L		12/26/24 08:47	01/06/25 14:53	1
Strontium	**79**		4.0	0.64	ug/L		12/26/24 08:47	01/06/25 14:53	1
Thallium	<0.57		2.0	0.57	ug/L		12/26/24 08:47	01/06/25 14:53	1
Tin	<1.3		5.0	1.3	ug/L		12/26/24 08:47	01/06/25 14:53	1
Vanadium	<2.2		5.0	2.2	ug/L		12/26/24 08:47	01/06/25 14:53	1
Zinc	<6.9		20	6.9	ug/L		12/26/24 08:47	01/06/25 14:53	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**110**		0.91	0.46	mg/L		12/26/24 08:47	01/07/25 09:15	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	<0.45		1.0	0.45	mg/L			12/13/24 14:02	1
Nitrate as N (EPA 300.0)	<0.37	H3	1.0	0.37	mg/L			12/13/24 14:02	1
Chloride (EPA 300.0)	**1.7**		1.0	0.42	mg/L			12/13/24 14:02	1
Nitrite as N (EPA 300.0)	<0.25	H3	1.0	0.25	mg/L			12/13/24 14:02	1
Fluoride (EPA 300.0)	<0.43		1.0	0.43	mg/L			12/13/24 14:02	1
Nitrate Nitrite as N (EPA 300.0)	<0.37	H3	1.0	0.37	mg/L			12/13/24 14:02	1
Sulfate (EPA 300.0)	**0.76**	**J**	1.0	0.47	mg/L			12/13/24 14:02	1
Cyanide, Total (EPA 335.4)	<0.0036		0.0050	0.0036	mg/L		12/15/24 09:23	12/15/24 11:13	1
Ammonia (EPA 350.1)	<0.10		0.20	0.10	mg/L		12/27/24 14:02	01/03/25 13:18	1
Phosphorus as P (EPA 365.1)	**0.060**		0.050	0.024	mg/L		12/16/24 09:29	12/19/24 13:36	1
Alkalinity (SM 2320B)	**120**	**B**	5.0	3.7	mg/L			12/17/24 17:24	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**120**	**B**	5.0	3.7	mg/L			12/17/24 17:24	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<3.7		5.0	3.7	mg/L			12/17/24 17:24	1
Salinity (SM 2520B)	<0.33		0.33	0.33	psu			01/06/25 08:16	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261422-1

Client Sample ID: SBW-01_20241210
Date Collected: 12/10/24 14:30
Date Received: 12/13/24 09:20

Lab Sample ID: 500-261422-1
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	140		10	4.3	mg/L			12/16/24 03:17	1
Total Suspended Solids (SM 2540D)	25		8.3	3.2	mg/L			12/16/24 13:02	1
Sulfide (SM 4500 S2 F)	1.3		1.0	0.23	mg/L			12/17/24 23:10	1
Total Organic Carbon (SM 5310C)	7.6		1.0	0.47	mg/L			12/19/24 01:29	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon (SM 5310C)	6.2		1.0	0.47	mg/L			12/29/24 09:55	1

Client Sample Results

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261422-1

Client Sample ID: SBW-01_20241210_FBLL
Date Collected: 12/10/24 14:30
Date Received: 12/13/24 09:20

Lab Sample ID: 500-261422-2
Matrix: Water

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.53		0.50	0.20	ng/L			01/03/25 15:06	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261422-1

Client Sample ID: FB-01-GW_20241210

Date Collected: 12/10/24 17:00
Date Received: 12/13/24 09:20

Lab Sample ID: 500-261422-3

Matrix: Water

Method: EPA 1630 - Methyl Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		12/27/24 11:42	12/27/24 19:05	1

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.57**		0.50	0.20	ng/L			01/03/25 15:10	1

Method: EPA 1638 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.016**	**J**	0.050	0.0098	ug/L		01/07/25 12:01	01/07/25 18:32	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<25		100	25	ug/L		12/26/24 08:47	01/06/25 14:35	1
Antimony	<1.3		3.0	1.3	ug/L		12/26/24 08:47	01/06/25 14:35	1
Arsenic	<0.23		1.0	0.23	ug/L		12/26/24 08:47	01/06/25 14:35	1
Barium	<0.73		2.5	0.73	ug/L		12/26/24 08:47	01/06/25 14:35	1
Beryllium	<0.53		1.0	0.53	ug/L		12/26/24 08:47	01/06/25 14:35	1
Boron	<13		50	13	ug/L		12/26/24 08:47	01/06/25 14:35	1
Cadmium	<0.17		0.50	0.17	ug/L		12/26/24 08:47	01/06/25 14:35	1
Calcium	<44		200	44	ug/L		12/26/24 08:47	01/06/25 14:35	1
Chromium	<1.1		5.0	1.1	ug/L		12/26/24 08:47	01/06/25 14:35	1
Cobalt	<0.40		1.0	0.40	ug/L		12/26/24 08:47	01/06/25 14:35	1
Copper	<0.50		2.0	0.50	ug/L		12/26/24 08:47	01/06/25 14:35	1
Iron	<47		100	47	ug/L		12/26/24 08:47	01/06/25 14:35	1
Lead	<0.19		0.50	0.19	ug/L		12/26/24 08:47	01/06/25 14:35	1
Lithium	<2.5		10	2.5	ug/L		12/26/24 08:47	01/06/25 14:35	1
Magnesium	<49		200	49	ug/L		12/26/24 08:47	01/06/25 14:35	1
Manganese	<0.79		2.5	0.79	ug/L		12/26/24 08:47	01/06/25 14:35	1
Molybdenum	<2.5		5.0	2.5	ug/L		12/26/24 08:47	01/06/25 14:35	1
Nickel	<0.63		2.0	0.63	ug/L		12/26/24 08:47	01/06/25 14:35	1
Potassium	<110		500	110	ug/L		12/26/24 08:47	01/06/25 14:35	1
Selenium	<0.98		2.5	0.98	ug/L		12/26/24 08:47	01/06/25 14:35	1
Silver	<0.12		0.50	0.12	ug/L		12/26/24 08:47	01/06/25 14:35	1
Sodium	<77		200	77	ug/L		12/26/24 08:47	01/06/25 14:35	1
Strontium	<0.64		4.0	0.64	ug/L		12/26/24 08:47	01/06/25 14:35	1
Thallium	<0.57		2.0	0.57	ug/L		12/26/24 08:47	01/06/25 14:35	1
Tin	<1.3		5.0	1.3	ug/L		12/26/24 08:47	01/06/25 14:35	1
Vanadium	<2.2		5.0	2.2	ug/L		12/26/24 08:47	01/06/25 14:35	1
Zinc	<6.9		20	6.9	ug/L		12/26/24 08:47	01/06/25 14:35	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	<0.46		0.91	0.46	mg/L		12/26/24 08:47	01/07/25 09:15	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	<0.45		1.0	0.45	mg/L			12/13/24 14:18	1
Nitrate as N (EPA 300.0)	<0.37	H3	1.0	0.37	mg/L			12/13/24 14:18	1
Chloride (EPA 300.0)	<0.42		1.0	0.42	mg/L			12/13/24 14:18	1
Nitrite as N (EPA 300.0)	<0.25	H3	1.0	0.25	mg/L			12/13/24 14:18	1
Fluoride (EPA 300.0)	<0.43		1.0	0.43	mg/L			12/13/24 14:18	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261422-1

Client Sample ID: FB-01-GW_20241210
Date Collected: 12/10/24 17:00
Date Received: 12/13/24 09:20

Lab Sample ID: 500-261422-3
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N (EPA 300.0)	<0.37	H3	1.0	0.37	mg/L			12/13/24 14:18	1
Sulfate (EPA 300.0)	<0.47		1.0	0.47	mg/L			12/13/24 14:18	1
Cyanide, Total (EPA 335.4)	<0.0036	F1 F2	0.0050	0.0036	mg/L		12/15/24 09:23	12/15/24 11:15	1
Ammonia (EPA 350.1)	<0.10		0.20	0.10	mg/L		12/27/24 14:02	12/28/24 11:49	1
Phosphorus as P (EPA 365.1)	<0.024		0.050	0.024	mg/L		12/16/24 09:29	12/19/24 13:37	1
Alkalinity (SM 2320B)	<3.7		5.0	3.7	mg/L			12/20/24 11:14	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	<3.7		5.0	3.7	mg/L			12/20/24 11:14	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<3.7		5.0	3.7	mg/L			12/20/24 11:14	1
Salinity (SM 2520B)	<0.33		0.33	0.33	psu			01/06/25 08:16	1
Total Dissolved Solids (SM 2540C)	**16**		10	4.3	mg/L			12/16/24 03:20	1
Total Suspended Solids (SM 2540D)	<1.9		5.0	1.9	mg/L			12/16/24 13:04	1
Sulfide (SM 4500 S2 F)	<0.23		1.0	0.23	mg/L			12/17/24 23:14	1
Total Organic Carbon (SM 5310C)	<0.47		1.0	0.47	mg/L			12/19/24 01:57	1

Client Sample Results

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261422-1

Client Sample ID: FB-01-GW_20241210_FBLL

Lab Sample ID: 500-261422-4

Date Collected: 12/10/24 17:00
Matrix: Water
Date Received: 12/13/24 09:20

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.56		0.50	0.20	ng/L			01/03/25 15:15	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261422-1

Client Sample ID: MW-3A_20241210

Date Collected: 12/10/24 15:40
Date Received: 12/13/24 09:20

Lab Sample ID: 500-261422-5

Matrix: Water

Method: EPA 1630 - Methyl Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		12/27/24 11:42	12/27/24 19:15	1

Method: EPA 1630 - Methyl Mercury - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		12/27/24 11:42	12/27/24 17:43	1

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.93**		0.50	0.20	ng/L			01/03/25 15:19	1

Method: EPA 1631E - Mercury, Low Level (CVAFS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**1.1**		0.50	0.20	ng/L			01/03/25 15:23	1

Method: EPA 1638 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**7.1**		0.050	0.0098	ug/L		01/06/25 13:37	01/07/25 16:47	1

Method: EPA 1638 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**7.1**		0.050	0.0098	ug/L		01/06/25 13:37	01/07/25 16:54	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<25		100	25	ug/L		12/26/24 08:47	01/06/25 14:38	1
Antimony	<1.3		3.0	1.3	ug/L		12/26/24 08:47	01/06/25 14:38	1
Arsenic	**1.2**		1.0	0.23	ug/L		12/26/24 08:47	01/06/25 14:38	1
Barium	**950**		2.5	0.73	ug/L		12/26/24 08:47	01/06/25 14:38	1
Beryllium	<0.53		1.0	0.53	ug/L		12/26/24 08:47	01/06/25 14:38	1
Boron	**390**	**B**	50	13	ug/L		12/26/24 08:47	01/06/25 14:38	1
Cadmium	<0.17		0.50	0.17	ug/L		12/26/24 08:47	01/06/25 14:38	1
Calcium	**250000**		200	44	ug/L		12/26/24 08:47	01/06/25 14:38	1
Chromium	<1.1		5.0	1.1	ug/L		12/26/24 08:47	01/06/25 14:38	1
Cobalt	**1.3**		1.0	0.40	ug/L		12/26/24 08:47	01/06/25 14:38	1
Copper	**1.3**	**J**	2.0	0.50	ug/L		12/26/24 08:47	01/06/25 14:38	1
Iron	**4300**		100	47	ug/L		12/26/24 08:47	01/06/25 14:38	1
Lead	<0.19		0.50	0.19	ug/L		12/26/24 08:47	01/06/25 14:38	1
Lithium	**97**		10	2.5	ug/L		12/26/24 08:47	01/06/25 14:38	1
Magnesium	**51000**		200	49	ug/L		12/26/24 08:47	01/06/25 14:38	1
Manganese	**2600**		2.5	0.79	ug/L		12/26/24 08:47	01/06/25 14:38	1
Molybdenum	<2.5		5.0	2.5	ug/L		12/26/24 08:47	01/06/25 14:38	1
Nickel	**1.5**	**J**	2.0	0.63	ug/L		12/26/24 08:47	01/06/25 14:38	1
Potassium	**1900**		500	110	ug/L		12/26/24 08:47	01/06/25 14:38	1
Selenium	<0.98		2.5	0.98	ug/L		12/26/24 08:47	01/06/25 14:38	1
Silver	<0.12		0.50	0.12	ug/L		12/26/24 08:47	01/06/25 14:38	1
Sodium	**170000**		200	77	ug/L		12/26/24 08:47	01/06/25 14:38	1
Strontium	**5000**		4.0	0.64	ug/L		12/26/24 08:47	01/06/25 14:38	1
Thallium	<0.57		2.0	0.57	ug/L		12/26/24 08:47	01/06/25 14:38	1
Tin	<1.3		5.0	1.3	ug/L		12/26/24 08:47	01/06/25 14:38	1
Vanadium	<2.2		5.0	2.2	ug/L		12/26/24 08:47	01/06/25 14:38	1
Zinc	**10**	**J**	20	6.9	ug/L		12/26/24 08:47	01/06/25 14:38	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261422-1

Client Sample ID: MW-3A_20241210

Date Collected: 12/10/24 15:40
Date Received: 12/13/24 09:20

Lab Sample ID: 500-261422-5

Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<25		100	25	ug/L		12/26/24 08:47	01/06/25 14:55	1
Antimony	<1.3		3.0	1.3	ug/L		12/26/24 08:47	01/06/25 14:55	1
Arsenic	**0.91**	**J**	1.0	0.23	ug/L		12/26/24 08:47	01/06/25 14:55	1
Barium	**970**		2.5	0.73	ug/L		12/26/24 08:47	01/06/25 14:55	1
Beryllium	<0.53		1.0	0.53	ug/L		12/26/24 08:47	01/06/25 14:55	1
Boron	**390**	**B**	50	13	ug/L		12/26/24 08:47	01/06/25 14:55	1
Cadmium	<0.17		0.50	0.17	ug/L		12/26/24 08:47	01/06/25 14:55	1
Calcium	**250000**		200	44	ug/L		12/26/24 08:47	01/06/25 14:55	1
Chromium	<1.1		5.0	1.1	ug/L		12/26/24 08:47	01/06/25 14:55	1
Cobalt	**1.3**		1.0	0.40	ug/L		12/26/24 08:47	01/06/25 14:55	1
Copper	<0.50		2.0	0.50	ug/L		12/26/24 08:47	01/06/25 14:55	1
Iron	**4100**		100	47	ug/L		12/26/24 08:47	01/06/25 14:55	1
Lead	<0.19		0.50	0.19	ug/L		12/26/24 08:47	01/06/25 14:55	1
Lithium	**97**		10	2.5	ug/L		12/26/24 08:47	01/06/25 14:55	1
Magnesium	**52000**		200	49	ug/L		12/26/24 08:47	01/06/25 14:55	1
Manganese	**2600**		2.5	0.79	ug/L		12/26/24 08:47	01/06/25 14:55	1
Molybdenum	<2.5		5.0	2.5	ug/L		12/26/24 08:47	01/06/25 14:55	1
Nickel	**1.5**	**J**	2.0	0.63	ug/L		12/26/24 08:47	01/06/25 14:55	1
Potassium	**2000**		500	110	ug/L		12/26/24 08:47	01/06/25 14:55	1
Selenium	<0.98		2.5	0.98	ug/L		12/26/24 08:47	01/06/25 14:55	1
Silver	<0.12		0.50	0.12	ug/L		12/26/24 08:47	01/06/25 14:55	1
Sodium	**160000**		200	77	ug/L		12/26/24 08:47	01/06/25 14:55	1
Strontium	**5000**		4.0	0.64	ug/L		12/26/24 08:47	01/06/25 14:55	1
Thallium	<0.57		2.0	0.57	ug/L		12/26/24 08:47	01/06/25 14:55	1
Tin	<1.3		5.0	1.3	ug/L		12/26/24 08:47	01/06/25 14:55	1
Vanadium	<2.2		5.0	2.2	ug/L		12/26/24 08:47	01/06/25 14:55	1
Zinc	**37**		20	6.9	ug/L		12/26/24 08:47	01/06/25 14:55	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**840**		0.91	0.46	mg/L		12/26/24 08:47	01/07/25 09:15	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	**4.9**		1.0	0.45	mg/L			12/13/24 14:33	1
Nitrate as N (EPA 300.0)	<0.37	H3	1.0	0.37	mg/L			12/13/24 14:33	1
Chloride (EPA 300.0)	**480**		20	8.4	mg/L			12/27/24 15:55	20
Nitrite as N (EPA 300.0)	<0.25	H3	1.0	0.25	mg/L			12/13/24 14:33	1
Fluoride (EPA 300.0)	<0.43		1.0	0.43	mg/L			12/13/24 14:33	1
Nitrate Nitrite as N (EPA 300.0)	<0.37	H3	1.0	0.37	mg/L			12/13/24 14:33	1
Sulfate (EPA 300.0)	**1.8**		1.0	0.47	mg/L			12/13/24 14:33	1
Cyanide, Total (EPA 335.4)	<0.0036		0.0050	0.0036	mg/L		12/15/24 09:23	12/15/24 11:20	1
Ammonia (EPA 350.1)	<0.10		0.20	0.10	mg/L		12/27/24 14:02	12/28/24 11:50	1
Phosphorus as P (EPA 365.1)	<0.024		0.050	0.024	mg/L		12/16/24 09:29	12/19/24 13:37	1
Alkalinity (SM 2320B)	**460**	**B**	5.0	3.7	mg/L			12/17/24 17:36	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**460**	**B**	5.0	3.7	mg/L			12/17/24 17:36	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<3.7		5.0	3.7	mg/L			12/17/24 17:36	1
Salinity (SM 2520B)	**1.3**		0.33	0.33	psu			01/06/25 08:16	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261422-1

Client Sample ID: MW-3A_20241210
Date Collected: 12/10/24 15:40
Date Received: 12/13/24 09:20

Lab Sample ID: 500-261422-5
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	1700		10	4.3	mg/L			12/16/24 03:22	1
Total Suspended Solids (SM 2540D)	14		8.3	3.2	mg/L			12/16/24 13:06	1
Sulfide (SM 4500 S2 F)	<0.23		1.0	0.23	mg/L			12/17/24 23:18	1
Total Organic Carbon (SM 5310C)	3.7		1.0	0.47	mg/L			12/19/24 02:25	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon (SM 5310C)	3.7		1.0	0.47	mg/L			12/29/24 09:55	1

Client Sample Results

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261422-1

Client Sample ID: MW-3A_20241210_FBLL
Date Collected: 12/10/24 15:40
Date Received: 12/13/24 09:20

Lab Sample ID: 500-261422-6
Matrix: Water

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.39	J	0.50	0.20	ng/L			01/03/25 15:27	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261422-1

Client Sample ID: MW-3B_20241210

Date Collected: 12/10/24 17:00
Date Received: 12/13/24 09:20

Lab Sample ID: 500-261422-7

Matrix: Water

Method: EPA 1630 - Methyl Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		12/27/24 11:42	12/27/24 19:46	1

Method: EPA 1630 - Methyl Mercury - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		12/27/24 11:42	12/27/24 19:56	1

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.69**		0.50	0.20	ng/L			01/03/25 15:31	1

Method: EPA 1631E - Mercury, Low Level (CVAFS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.83**		0.50	0.20	ng/L			01/03/25 15:35	1

Method: EPA 1638 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**52**		0.050	0.0098	ug/L		01/06/25 13:37	01/07/25 16:57	1

Method: EPA 1638 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**54**		0.050	0.0098	ug/L		01/07/25 12:01	01/07/25 19:00	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<25		100	25	ug/L		12/26/24 08:47	01/06/25 14:40	1
Antimony	<1.3		3.0	1.3	ug/L		12/26/24 08:47	01/06/25 14:40	1
Arsenic	**0.29**	**J**	1.0	0.23	ug/L		12/26/24 08:47	01/06/25 14:40	1
Barium	**510**		2.5	0.73	ug/L		12/26/24 08:47	01/06/25 14:40	1
Beryllium	<0.53		1.0	0.53	ug/L		12/26/24 08:47	01/06/25 14:40	1
Boron	**120**	**B**	50	13	ug/L		12/26/24 08:47	01/06/25 14:40	1
Cadmium	<0.17		0.50	0.17	ug/L		12/26/24 08:47	01/06/25 14:40	1
Calcium	**89000**		200	44	ug/L		12/26/24 08:47	01/06/25 14:40	1
Chromium	<1.1		5.0	1.1	ug/L		12/26/24 08:47	01/06/25 14:40	1
Cobalt	<0.40		1.0	0.40	ug/L		12/26/24 08:47	01/06/25 14:40	1
Copper	**0.86**	**J**	2.0	0.50	ug/L		12/26/24 08:47	01/06/25 14:40	1
Iron	<47		100	47	ug/L		12/26/24 08:47	01/06/25 14:40	1
Lead	<0.19		0.50	0.19	ug/L		12/26/24 08:47	01/06/25 14:40	1
Lithium	**45**		10	2.5	ug/L		12/26/24 08:47	01/06/25 14:40	1
Magnesium	**64000**		200	49	ug/L		12/26/24 08:47	01/06/25 14:40	1
Manganese	**14**		2.5	0.79	ug/L		12/26/24 08:47	01/06/25 14:40	1
Molybdenum	<2.5		5.0	2.5	ug/L		12/26/24 08:47	01/06/25 14:40	1
Nickel	<0.63		2.0	0.63	ug/L		12/26/24 08:47	01/06/25 14:40	1
Potassium	**1100**		500	110	ug/L		12/26/24 08:47	01/06/25 14:40	1
Selenium	<0.98		2.5	0.98	ug/L		12/26/24 08:47	01/06/25 14:40	1
Silver	<0.12		0.50	0.12	ug/L		12/26/24 08:47	01/06/25 14:40	1
Sodium	**36000**		200	77	ug/L		12/26/24 08:47	01/06/25 14:40	1
Strontium	**1300**		4.0	0.64	ug/L		12/26/24 08:47	01/06/25 14:40	1
Thallium	<0.57		2.0	0.57	ug/L		12/26/24 08:47	01/06/25 14:40	1
Tin	<1.3		5.0	1.3	ug/L		12/26/24 08:47	01/06/25 14:40	1
Vanadium	**3.7**	**J**	5.0	2.2	ug/L		12/26/24 08:47	01/06/25 14:40	1
Zinc	**8.4**	**J**	20	6.9	ug/L		12/26/24 08:47	01/06/25 14:40	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261422-1

Client Sample ID: MW-3B_20241210

Date Collected: 12/10/24 17:00
Date Received: 12/13/24 09:20

Lab Sample ID: 500-261422-7
Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<25		100	25	ug/L		12/26/24 08:47	01/06/25 15:03	1
Antimony	<1.3		3.0	1.3	ug/L		12/26/24 08:47	01/06/25 15:03	1
Arsenic	**0.30**	**J**	1.0	0.23	ug/L		12/26/24 08:47	01/06/25 15:03	1
Barium	**520**		2.5	0.73	ug/L		12/26/24 08:47	01/06/25 15:03	1
Beryllium	<0.53		1.0	0.53	ug/L		12/26/24 08:47	01/06/25 15:03	1
Boron	**120**	**B**	50	13	ug/L		12/26/24 08:47	01/06/25 15:03	1
Cadmium	<0.17		0.50	0.17	ug/L		12/26/24 08:47	01/06/25 15:03	1
Calcium	**91000**		200	44	ug/L		12/26/24 08:47	01/06/25 15:03	1
Chromium	<1.1		5.0	1.1	ug/L		12/26/24 08:47	01/06/25 15:03	1
Cobalt	<0.40		1.0	0.40	ug/L		12/26/24 08:47	01/06/25 15:03	1
Copper	**0.69**	**J**	2.0	0.50	ug/L		12/26/24 08:47	01/06/25 15:03	1
Iron	<47		100	47	ug/L		12/26/24 08:47	01/06/25 15:03	1
Lead	<0.19		0.50	0.19	ug/L		12/26/24 08:47	01/06/25 15:03	1
Lithium	**44**		10	2.5	ug/L		12/26/24 08:47	01/06/25 15:03	1
Magnesium	**65000**		200	49	ug/L		12/26/24 08:47	01/06/25 15:03	1
Manganese	**5.8**		2.5	0.79	ug/L		12/26/24 08:47	01/06/25 15:03	1
Molybdenum	<2.5		5.0	2.5	ug/L		12/26/24 08:47	01/06/25 15:03	1
Nickel	<0.63		2.0	0.63	ug/L		12/26/24 08:47	01/06/25 15:03	1
Potassium	**1200**		500	110	ug/L		12/26/24 08:47	01/06/25 15:03	1
Selenium	<0.98		2.5	0.98	ug/L		12/26/24 08:47	01/06/25 15:03	1
Silver	<0.12		0.50	0.12	ug/L		12/26/24 08:47	01/06/25 15:03	1
Sodium	**36000**		200	77	ug/L		12/26/24 08:47	01/06/25 15:03	1
Strontium	**1300**		4.0	0.64	ug/L		12/26/24 08:47	01/06/25 15:03	1
Thallium	<0.57		2.0	0.57	ug/L		12/26/24 08:47	01/06/25 15:03	1
Tin	<1.3		5.0	1.3	ug/L		12/26/24 08:47	01/06/25 15:03	1
Vanadium	**3.5**	**J**	5.0	2.2	ug/L		12/26/24 08:47	01/06/25 15:03	1
Zinc	<6.9		20	6.9	ug/L		12/26/24 08:47	01/06/25 15:03	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**490**		0.91	0.46	mg/L		12/26/24 08:47	01/07/25 09:15	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	**0.87**	**J**	1.0	0.45	mg/L			12/13/24 14:49	1
Nitrate as N (EPA 300.0)	<0.37	H3	1.0	0.37	mg/L			12/13/24 14:49	1
Chloride (EPA 300.0)	**78**		10	4.2	mg/L			12/27/24 16:11	10
Nitrite as N (EPA 300.0)	<0.25	H3	1.0	0.25	mg/L			12/13/24 14:49	1
Fluoride (EPA 300.0)	<0.43		1.0	0.43	mg/L			12/13/24 14:49	1
Nitrate Nitrite as N (EPA 300.0)	<0.37	H3	1.0	0.37	mg/L			12/13/24 14:49	1
Sulfate (EPA 300.0)	**12**		1.0	0.47	mg/L			12/13/24 14:49	1
Cyanide, Total (EPA 335.4)	<0.0036		0.0050	0.0036	mg/L		12/15/24 09:23	12/15/24 11:29	1
Ammonia (EPA 350.1)	<0.10		0.20	0.10	mg/L		01/02/25 11:32	01/03/25 12:51	1
Phosphorus as P (EPA 365.1)	<0.024		0.050	0.024	mg/L		12/16/24 09:29	12/19/24 13:38	1
Alkalinity (SM 2320B)	**440**	**B**	5.0	3.7	mg/L			12/17/24 17:48	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**440**	**B**	5.0	3.7	mg/L			12/17/24 17:48	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<3.7		5.0	3.7	mg/L			12/17/24 17:48	1
Salinity (SM 2520B)	**0.33**		0.33	0.33	psu			01/06/25 08:16	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261422-1

Client Sample ID: MW-3B_20241210
Date Collected: 12/10/24 17:00
Date Received: 12/13/24 09:20

Lab Sample ID: 500-261422-7
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**710**		10	4.3	mg/L			12/16/24 03:25	1
Total Suspended Solids (SM 2540D)	<1.9		5.0	1.9	mg/L			12/16/24 15:59	1
Sulfide (SM 4500 S2 F)	<0.23		1.0	0.23	mg/L			12/17/24 23:22	1
Total Organic Carbon (SM 5310C)	**1.7**		1.0	0.47	mg/L			12/19/24 02:53	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon (SM 5310C)	**1.8**		1.0	0.47	mg/L			12/29/24 09:55	1

Client Sample Results

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261422-1

Client Sample ID: MW-3B_20241210_FBLL

Lab Sample ID: 500-261422-8

Date Collected: 12/10/24 17:00
Matrix: Water
Date Received: 12/13/24 09:20

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.56		0.50	0.20	ng/L			01/03/25 15:40	1

Client Sample ID: MW-2A_20241210

Date Collected: 12/10/24 09:50
Date Received: 12/13/24 09:20

Lab Sample ID: 500-261422-9

Matrix: Water

Method: EPA 1630 - Methyl Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		12/27/24 11:42	12/27/24 20:06	1

Method: EPA 1630 - Methyl Mercury - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		12/27/24 11:42	12/27/24 20:16	1

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.72**		0.50	0.20	ng/L			01/03/25 15:44	1

Method: EPA 1631E - Mercury, Low Level (CVAFS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.64**		0.50	0.20	ng/L			01/03/25 15:56	1

Method: EPA 1638 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.41**		0.050	0.0098	ug/L		01/07/25 12:01	01/07/25 19:03	1

Method: EPA 1638 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.39**		0.050	0.0098	ug/L		01/07/25 12:01	01/07/25 19:06	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<25		100	25	ug/L		12/26/24 08:47	01/06/25 14:43	1
Antimony	<1.3		3.0	1.3	ug/L		12/26/24 08:47	01/06/25 14:43	1
Arsenic	**2.3**		1.0	0.23	ug/L		12/26/24 08:47	01/06/25 14:43	1
Barium	**540**		2.5	0.73	ug/L		12/26/24 08:47	01/06/25 14:43	1
Beryllium	<0.53		1.0	0.53	ug/L		12/26/24 08:47	01/06/25 14:43	1
Boron	**410**	**B**	50	13	ug/L		12/26/24 08:47	01/06/25 14:43	1
Cadmium	<0.17		0.50	0.17	ug/L		12/26/24 08:47	01/06/25 14:43	1
Calcium	**160000**		200	44	ug/L		12/26/24 08:47	01/06/25 14:43	1
Chromium	<1.1		5.0	1.1	ug/L		12/26/24 08:47	01/06/25 14:43	1
Cobalt	**1.8**		1.0	0.40	ug/L		12/26/24 08:47	01/06/25 14:43	1
Copper	<0.50		2.0	0.50	ug/L		12/26/24 08:47	01/06/25 14:43	1
Iron	**3700**		100	47	ug/L		12/26/24 08:47	01/06/25 14:43	1
Lead	<0.19		0.50	0.19	ug/L		12/26/24 08:47	01/06/25 14:43	1
Lithium	**46**		10	2.5	ug/L		12/26/24 08:47	01/06/25 14:43	1
Magnesium	**44000**		200	49	ug/L		12/26/24 08:47	01/06/25 14:43	1
Manganese	**4200**		2.5	0.79	ug/L		12/26/24 08:47	01/06/25 14:43	1
Molybdenum	**3.1**	**J**	5.0	2.5	ug/L		12/26/24 08:47	01/06/25 14:43	1
Nickel	**1.5**	**J**	2.0	0.63	ug/L		12/26/24 08:47	01/06/25 14:43	1
Potassium	**1800**		500	110	ug/L		12/26/24 08:47	01/06/25 14:43	1
Selenium	<0.98		2.5	0.98	ug/L		12/26/24 08:47	01/06/25 14:43	1
Silver	<0.12		0.50	0.12	ug/L		12/26/24 08:47	01/06/25 14:43	1
Sodium	**63000**		200	77	ug/L		12/26/24 08:47	01/06/25 14:43	1
Strontium	**2200**		4.0	0.64	ug/L		12/26/24 08:47	01/06/25 14:43	1
Thallium	<0.57		2.0	0.57	ug/L		12/26/24 08:47	01/06/25 14:43	1
Tin	<1.3		5.0	1.3	ug/L		12/26/24 08:47	01/06/25 14:43	1
Vanadium	<2.2		5.0	2.2	ug/L		12/26/24 08:47	01/06/25 14:43	1
Zinc	**12**	**J**	20	6.9	ug/L		12/26/24 08:47	01/06/25 14:43	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261422-1

Client Sample ID: MW-2A_20241210

Date Collected: 12/10/24 09:50
Date Received: 12/13/24 09:20

Lab Sample ID: 500-261422-9

Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<25		100	25	ug/L		12/26/24 08:47	01/06/25 15:06	1
Antimony	<1.3		3.0	1.3	ug/L		12/26/24 08:47	01/06/25 15:06	1
Arsenic	**1.8**		1.0	0.23	ug/L		12/26/24 08:47	01/06/25 15:06	1
Barium	**530**		2.5	0.73	ug/L		12/26/24 08:47	01/06/25 15:06	1
Beryllium	<0.53		1.0	0.53	ug/L		12/26/24 08:47	01/06/25 15:06	1
Boron	**400**	**B**	50	13	ug/L		12/26/24 08:47	01/06/25 15:06	1
Cadmium	<0.17		0.50	0.17	ug/L		12/26/24 08:47	01/06/25 15:06	1
Calcium	**150000**		200	44	ug/L		12/26/24 08:47	01/06/25 15:06	1
Chromium	<1.1		5.0	1.1	ug/L		12/26/24 08:47	01/06/25 15:06	1
Cobalt	**1.7**		1.0	0.40	ug/L		12/26/24 08:47	01/06/25 15:06	1
Copper	<0.50		2.0	0.50	ug/L		12/26/24 08:47	01/06/25 15:06	1
Iron	**2800**		100	47	ug/L		12/26/24 08:47	01/06/25 15:06	1
Lead	<0.19		0.50	0.19	ug/L		12/26/24 08:47	01/06/25 15:06	1
Lithium	**48**		10	2.5	ug/L		12/26/24 08:47	01/06/25 15:06	1
Magnesium	**44000**		200	49	ug/L		12/26/24 08:47	01/06/25 15:06	1
Manganese	**4000**		2.5	0.79	ug/L		12/26/24 08:47	01/06/25 15:06	1
Molybdenum	**3.4**	**J**	5.0	2.5	ug/L		12/26/24 08:47	01/06/25 15:06	1
Nickel	**1.5**	**J**	2.0	0.63	ug/L		12/26/24 08:47	01/06/25 15:06	1
Potassium	**1700**		500	110	ug/L		12/26/24 08:47	01/06/25 15:06	1
Selenium	<0.98		2.5	0.98	ug/L		12/26/24 08:47	01/06/25 15:06	1
Silver	<0.12		0.50	0.12	ug/L		12/26/24 08:47	01/06/25 15:06	1
Sodium	**63000**		200	77	ug/L		12/26/24 08:47	01/06/25 15:06	1
Strontium	**2200**		4.0	0.64	ug/L		12/26/24 08:47	01/06/25 15:06	1
Thallium	<0.57		2.0	0.57	ug/L		12/26/24 08:47	01/06/25 15:06	1
Tin	<1.3		5.0	1.3	ug/L		12/26/24 08:47	01/06/25 15:06	1
Vanadium	<2.2		5.0	2.2	ug/L		12/26/24 08:47	01/06/25 15:06	1
Zinc	<6.9		20	6.9	ug/L		12/26/24 08:47	01/06/25 15:06	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**570**		0.91	0.46	mg/L		12/26/24 08:47	01/07/25 09:15	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	**1.2**		1.0	0.45	mg/L			12/13/24 15:05	1
Nitrate as N (EPA 300.0)	<0.37	H3	1.0	0.37	mg/L			12/13/24 15:05	1
Chloride (EPA 300.0)	**120**		10	4.2	mg/L			12/27/24 16:26	10
Nitrite as N (EPA 300.0)	<0.25	H3	1.0	0.25	mg/L			12/13/24 15:05	1
Fluoride (EPA 300.0)	<0.43		1.0	0.43	mg/L			12/13/24 15:05	1
Nitrate Nitrite as N (EPA 300.0)	<0.37	H3	1.0	0.37	mg/L			12/13/24 15:05	1
Sulfate (EPA 300.0)	<0.47		1.0	0.47	mg/L			12/13/24 15:05	1
Cyanide, Total (EPA 335.4)	<0.0036		0.0050	0.0036	mg/L		12/15/24 09:23	12/15/24 11:30	1
Ammonia (EPA 350.1)	<0.10		0.20	0.10	mg/L		01/02/25 11:32	01/03/25 12:52	1
Phosphorus as P (EPA 365.1)	<0.024		0.050	0.024	mg/L		12/16/24 09:29	12/19/24 13:39	1
Alkalinity (SM 2320B)	**490**	**B**	5.0	3.7	mg/L			12/17/24 17:58	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**490**	**B**	5.0	3.7	mg/L			12/17/24 17:58	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<3.7		5.0	3.7	mg/L			12/17/24 17:58	1
Salinity (SM 2520B)	**0.48**		0.33	0.33	psu			01/06/25 08:16	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261422-1

Client Sample ID: MW-2A_20241210
Date Collected: 12/10/24 09:50
Date Received: 12/13/24 09:20

Lab Sample ID: 500-261422-9
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	810		10	4.3	mg/L			12/16/24 03:27	1
Total Suspended Solids (SM 2540D)	13		6.3	2.4	mg/L			12/16/24 16:01	1
Sulfide (SM 4500 S2 F)	<0.23		1.0	0.23	mg/L			12/17/24 23:26	1
Total Organic Carbon (SM 5310C)	8.0		1.0	0.47	mg/L			12/19/24 03:22	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon (SM 5310C)	7.6		1.0	0.47	mg/L			12/29/24 09:55	1

Client Sample Results

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261422-1

Client Sample ID: MW-2A_20241210_FBLL
Date Collected: 12/10/24 09:50
Date Received: 12/13/24 09:20

Lab Sample ID: 500-261422-10
Matrix: Water

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.36	J	0.50	0.20	ng/L			01/03/25 16:00	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261422-1

Client Sample ID: MW-2B_20241210

Date Collected: 12/10/24 12:20
Date Received: 12/13/24 09:20

Lab Sample ID: 500-261422-11

Matrix: Water

Method: EPA 1630 - Methyl Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		12/27/24 11:42	12/27/24 20:26	1

Method: EPA 1630 - Methyl Mercury - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		12/27/24 11:42	12/27/24 20:37	1

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.73**		0.50	0.20	ng/L			01/03/25 16:04	1

Method: EPA 1631E - Mercury, Low Level (CVAFS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.63**		0.50	0.20	ng/L			01/03/25 16:09	1

Method: EPA 1638 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**16**		0.050	0.0098	ug/L		01/07/25 12:01	01/07/25 19:10	1

Method: EPA 1638 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**15**		0.050	0.0098	ug/L		01/07/25 12:01	01/07/25 19:13	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**290**		100	25	ug/L		12/26/24 08:47	01/06/25 14:45	1
Antimony	<1.3		3.0	1.3	ug/L		12/26/24 08:47	01/06/25 14:45	1
Arsenic	**1.0**		1.0	0.23	ug/L		12/26/24 08:47	01/06/25 14:45	1
Barium	**810**		2.5	0.73	ug/L		12/26/24 08:47	01/06/25 14:45	1
Beryllium	<0.53		1.0	0.53	ug/L		12/26/24 08:47	01/06/25 14:45	1
Boron	**110**	**B**	50	13	ug/L		12/26/24 08:47	01/06/25 14:45	1
Cadmium	<0.17		0.50	0.17	ug/L		12/26/24 08:47	01/06/25 14:45	1
Calcium	**110000**		200	44	ug/L		12/26/24 08:47	01/06/25 14:45	1
Chromium	<1.1		5.0	1.1	ug/L		12/26/24 08:47	01/06/25 14:45	1
Cobalt	<0.40		1.0	0.40	ug/L		12/26/24 08:47	01/06/25 14:45	1
Copper	**1.9**	**J**	2.0	0.50	ug/L		12/26/24 08:47	01/06/25 14:45	1
Iron	**430**		100	47	ug/L		12/26/24 08:47	01/06/25 14:45	1
Lead	<0.19		0.50	0.19	ug/L		12/26/24 08:47	01/06/25 14:45	1
Lithium	**32**		10	2.5	ug/L		12/26/24 08:47	01/06/25 14:45	1
Magnesium	**69000**		200	49	ug/L		12/26/24 08:47	01/06/25 14:45	1
Manganese	**83**		2.5	0.79	ug/L		12/26/24 08:47	01/06/25 14:45	1
Molybdenum	<2.5		5.0	2.5	ug/L		12/26/24 08:47	01/06/25 14:45	1
Nickel	**0.88**	**J**	2.0	0.63	ug/L		12/26/24 08:47	01/06/25 14:45	1
Potassium	**3200**		500	110	ug/L		12/26/24 08:47	01/06/25 14:45	1
Selenium	<0.98		2.5	0.98	ug/L		12/26/24 08:47	01/06/25 14:45	1
Silver	<0.12		0.50	0.12	ug/L		12/26/24 08:47	01/06/25 14:45	1
Sodium	**18000**		200	77	ug/L		12/26/24 08:47	01/06/25 14:45	1
Strontium	**1300**		4.0	0.64	ug/L		12/26/24 08:47	01/06/25 14:45	1
Thallium	<0.57		2.0	0.57	ug/L		12/26/24 08:47	01/06/25 14:45	1
Tin	<1.3		5.0	1.3	ug/L		12/26/24 08:47	01/06/25 14:45	1
Vanadium	**5.7**		5.0	2.2	ug/L		12/26/24 08:47	01/06/25 14:45	1
Zinc	<6.9		20	6.9	ug/L		12/26/24 08:47	01/06/25 14:45	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261422-1

Client Sample ID: MW-2B_20241210

Date Collected: 12/10/24 12:20
Date Received: 12/13/24 09:20

Lab Sample ID: 500-261422-11

Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<25		100	25	ug/L		12/26/24 08:47	01/06/25 15:08	1
Antimony	<1.3		3.0	1.3	ug/L		12/26/24 08:47	01/06/25 15:08	1
Arsenic	**0.81**	**J**	1.0	0.23	ug/L		12/26/24 08:47	01/06/25 15:08	1
Barium	**840**		2.5	0.73	ug/L		12/26/24 08:47	01/06/25 15:08	1
Beryllium	<0.53		1.0	0.53	ug/L		12/26/24 08:47	01/06/25 15:08	1
Boron	**110**	**B**	50	13	ug/L		12/26/24 08:47	01/06/25 15:08	1
Cadmium	<0.17		0.50	0.17	ug/L		12/26/24 08:47	01/06/25 15:08	1
Calcium	**120000**		200	44	ug/L		12/26/24 08:47	01/06/25 15:08	1
Chromium	<1.1		5.0	1.1	ug/L		12/26/24 08:47	01/06/25 15:08	1
Cobalt	<0.40		1.0	0.40	ug/L		12/26/24 08:47	01/06/25 15:08	1
Copper	**1.1**	**J**	2.0	0.50	ug/L		12/26/24 08:47	01/06/25 15:08	1
Iron	**54**	**J**	100	47	ug/L		12/26/24 08:47	01/06/25 15:08	1
Lead	<0.19		0.50	0.19	ug/L		12/26/24 08:47	01/06/25 15:08	1
Lithium	**32**		10	2.5	ug/L		12/26/24 08:47	01/06/25 15:08	1
Magnesium	**71000**		200	49	ug/L		12/26/24 08:47	01/06/25 15:08	1
Manganese	**67**		2.5	0.79	ug/L		12/26/24 08:47	01/06/25 15:08	1
Molybdenum	<2.5		5.0	2.5	ug/L		12/26/24 08:47	01/06/25 15:08	1
Nickel	<0.63		2.0	0.63	ug/L		12/26/24 08:47	01/06/25 15:08	1
Potassium	**3200**		500	110	ug/L		12/26/24 08:47	01/06/25 15:08	1
Selenium	<0.98		2.5	0.98	ug/L		12/26/24 08:47	01/06/25 15:08	1
Silver	<0.12		0.50	0.12	ug/L		12/26/24 08:47	01/06/25 15:08	1
Sodium	**18000**		200	77	ug/L		12/26/24 08:47	01/06/25 15:08	1
Strontium	**1400**		4.0	0.64	ug/L		12/26/24 08:47	01/06/25 15:08	1
Thallium	<0.57		2.0	0.57	ug/L		12/26/24 08:47	01/06/25 15:08	1
Tin	<1.3		5.0	1.3	ug/L		12/26/24 08:47	01/06/25 15:08	1
Vanadium	**4.2**	**J**	5.0	2.2	ug/L		12/26/24 08:47	01/06/25 15:08	1
Zinc	<6.9		20	6.9	ug/L		12/26/24 08:47	01/06/25 15:08	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**570**		0.91	0.46	mg/L		12/26/24 08:47	01/07/25 09:15	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	**0.50**	**J**	1.0	0.45	mg/L			12/13/24 15:20	1
Nitrate as N (EPA 300.0)	<0.37	H3	1.0	0.37	mg/L			12/13/24 15:20	1
Chloride (EPA 300.0)	**58**		5.0	2.1	mg/L			12/27/24 16:42	5
Nitrite as N (EPA 300.0)	<0.25	H3	1.0	0.25	mg/L			12/13/24 15:20	1
Fluoride (EPA 300.0)	<0.43		1.0	0.43	mg/L			12/13/24 15:20	1
Nitrate Nitrite as N (EPA 300.0)	<0.37	H3	1.0	0.37	mg/L			12/13/24 15:20	1
Sulfate (EPA 300.0)	**12**		1.0	0.47	mg/L			12/13/24 15:20	1
Cyanide, Total (EPA 335.4)	<0.0036		0.0050	0.0036	mg/L		12/15/24 09:23	12/15/24 11:32	1
Ammonia (EPA 350.1)	<0.10		0.20	0.10	mg/L		01/02/25 11:32	01/03/25 12:52	1
Phosphorus as P (EPA 365.1)	<0.024		0.050	0.024	mg/L		12/16/24 09:29	12/19/24 13:39	1
Alkalinity (SM 2320B)	**490**	**B**	5.0	3.7	mg/L			12/17/24 18:08	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**490**	**B**	5.0	3.7	mg/L			12/17/24 18:08	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<3.7		5.0	3.7	mg/L			12/17/24 18:08	1
Salinity (SM 2520B)	**0.33**		0.33	0.33	psu			01/06/25 08:16	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261422-1

Client Sample ID: MW-2B_20241210
Date Collected: 12/10/24 12:20
Date Received: 12/13/24 09:20

Lab Sample ID: 500-261422-11
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	710		10	4.3	mg/L			12/16/24 03:30	1
Total Suspended Solids (SM 2540D)	19		5.0	1.9	mg/L			12/16/24 16:03	1
Sulfide (SM 4500 S2 F)	<0.23		1.0	0.23	mg/L			12/17/24 23:30	1
Total Organic Carbon (SM 5310C)	2.6		1.0	0.47	mg/L			12/19/24 03:50	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon (SM 5310C)	2.7		1.0	0.47	mg/L			12/29/24 09:55	1

Client Sample Results

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261422-1

Client Sample ID: MW-2B_20241210_FBLL
Date Collected: 12/10/24 12:20
Date Received: 12/13/24 09:20

Lab Sample ID: 500-261422-12
Matrix: Water

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.32	J	0.50	0.20	ng/L			01/03/25 16:13	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261422-1

Client Sample ID: SBD-01_20241210

Date Collected: 12/10/24 13:00
Date Received: 12/13/24 09:20

Lab Sample ID: 500-261422-13

Matrix: Water

Method: EPA 1630 - Methyl Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		12/27/24 11:42	12/27/24 20:47	1

Method: EPA 1630 - Methyl Mercury - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		12/27/24 11:42	12/27/24 20:57	1

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.60**		0.50	0.20	ng/L			01/03/25 16:17	1

Method: EPA 1631E - Mercury, Low Level (CVAFS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.77**		0.50	0.20	ng/L			01/03/25 16:21	1

Method: EPA 1638 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.18**		0.050	0.0098	ug/L		01/07/25 12:01	01/07/25 19:17	1

Method: EPA 1638 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.20**		0.050	0.0098	ug/L		01/07/25 12:01	01/07/25 19:20	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**270**		100	25	ug/L		12/26/24 08:47	01/06/25 14:48	1
Antimony	<1.3		3.0	1.3	ug/L		12/26/24 08:47	01/06/25 14:48	1
Arsenic	**0.50**	**J**	1.0	0.23	ug/L		12/26/24 08:47	01/06/25 14:48	1
Barium	**44**		2.5	0.73	ug/L		12/26/24 08:47	01/06/25 14:48	1
Beryllium	<0.53		1.0	0.53	ug/L		12/26/24 08:47	01/06/25 14:48	1
Boron	**53**	**B**	50	13	ug/L		12/26/24 08:47	01/06/25 14:48	1
Cadmium	<0.17		0.50	0.17	ug/L		12/26/24 08:47	01/06/25 14:48	1
Calcium	**36000**		200	44	ug/L		12/26/24 08:47	01/06/25 14:48	1
Chromium	<1.1		5.0	1.1	ug/L		12/26/24 08:47	01/06/25 14:48	1
Cobalt	<0.40		1.0	0.40	ug/L		12/26/24 08:47	01/06/25 14:48	1
Copper	**2.1**		2.0	0.50	ug/L		12/26/24 08:47	01/06/25 14:48	1
Iron	**850**		100	47	ug/L		12/26/24 08:47	01/06/25 14:48	1
Lead	<0.19		0.50	0.19	ug/L		12/26/24 08:47	01/06/25 14:48	1
Lithium	**9.2**	**J**	10	2.5	ug/L		12/26/24 08:47	01/06/25 14:48	1
Magnesium	**6900**		200	49	ug/L		12/26/24 08:47	01/06/25 14:48	1
Manganese	**130**		2.5	0.79	ug/L		12/26/24 08:47	01/06/25 14:48	1
Molybdenum	**7.5**		5.0	2.5	ug/L		12/26/24 08:47	01/06/25 14:48	1
Nickel	<0.63		2.0	0.63	ug/L		12/26/24 08:47	01/06/25 14:48	1
Potassium	**2200**		500	110	ug/L		12/26/24 08:47	01/06/25 14:48	1
Selenium	<0.98		2.5	0.98	ug/L		12/26/24 08:47	01/06/25 14:48	1
Silver	<0.12		0.50	0.12	ug/L		12/26/24 08:47	01/06/25 14:48	1
Sodium	**7400**		200	77	ug/L		12/26/24 08:47	01/06/25 14:48	1
Strontium	**180**		4.0	0.64	ug/L		12/26/24 08:47	01/06/25 14:48	1
Thallium	<0.57		2.0	0.57	ug/L		12/26/24 08:47	01/06/25 14:48	1
Tin	<1.3		5.0	1.3	ug/L		12/26/24 08:47	01/06/25 14:48	1
Vanadium	<2.2		5.0	2.2	ug/L		12/26/24 08:47	01/06/25 14:48	1
Zinc	<6.9		20	6.9	ug/L		12/26/24 08:47	01/06/25 14:48	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261422-1

Client Sample ID: SBD-01_20241210

Date Collected: 12/10/24 13:00
Date Received: 12/13/24 09:20

Lab Sample ID: 500-261422-13

Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<25		100	25	ug/L		12/26/24 08:47	01/06/25 15:11	1
Antimony	<1.3		3.0	1.3	ug/L		12/26/24 08:47	01/06/25 15:11	1
Arsenic	**0.36**	**J**	1.0	0.23	ug/L		12/26/24 08:47	01/06/25 15:11	1
Barium	**38**		2.5	0.73	ug/L		12/26/24 08:47	01/06/25 15:11	1
Beryllium	<0.53		1.0	0.53	ug/L		12/26/24 08:47	01/06/25 15:11	1
Boron	**51**	**B**	50	13	ug/L		12/26/24 08:47	01/06/25 15:11	1
Cadmium	<0.17		0.50	0.17	ug/L		12/26/24 08:47	01/06/25 15:11	1
Calcium	**36000**		200	44	ug/L		12/26/24 08:47	01/06/25 15:11	1
Chromium	<1.1		5.0	1.1	ug/L		12/26/24 08:47	01/06/25 15:11	1
Cobalt	<0.40		1.0	0.40	ug/L		12/26/24 08:47	01/06/25 15:11	1
Copper	**0.96**	**J**	2.0	0.50	ug/L		12/26/24 08:47	01/06/25 15:11	1
Iron	**88**	**J**	100	47	ug/L		12/26/24 08:47	01/06/25 15:11	1
Lead	<0.19		0.50	0.19	ug/L		12/26/24 08:47	01/06/25 15:11	1
Lithium	**9.4**	**J**	10	2.5	ug/L		12/26/24 08:47	01/06/25 15:11	1
Magnesium	**6800**		200	49	ug/L		12/26/24 08:47	01/06/25 15:11	1
Manganese	**27**		2.5	0.79	ug/L		12/26/24 08:47	01/06/25 15:11	1
Molybdenum	**6.2**		5.0	2.5	ug/L		12/26/24 08:47	01/06/25 15:11	1
Nickel	<0.63		2.0	0.63	ug/L		12/26/24 08:47	01/06/25 15:11	1
Potassium	**2000**		500	110	ug/L		12/26/24 08:47	01/06/25 15:11	1
Selenium	<0.98		2.5	0.98	ug/L		12/26/24 08:47	01/06/25 15:11	1
Silver	<0.12		0.50	0.12	ug/L		12/26/24 08:47	01/06/25 15:11	1
Sodium	**7400**		200	77	ug/L		12/26/24 08:47	01/06/25 15:11	1
Strontium	**180**		4.0	0.64	ug/L		12/26/24 08:47	01/06/25 15:11	1
Thallium	<0.57		2.0	0.57	ug/L		12/26/24 08:47	01/06/25 15:11	1
Tin	<1.3		5.0	1.3	ug/L		12/26/24 08:47	01/06/25 15:11	1
Vanadium	<2.2		5.0	2.2	ug/L		12/26/24 08:47	01/06/25 15:11	1
Zinc	<6.9		20	6.9	ug/L		12/26/24 08:47	01/06/25 15:11	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**120**		0.91	0.46	mg/L		12/26/24 08:47	01/07/25 09:15	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	<0.45		1.0	0.45	mg/L			12/13/24 15:36	1
Nitrate as N (EPA 300.0)	<0.37	H3	1.0	0.37	mg/L			12/13/24 15:36	1
Chloride (EPA 300.0)	**8.7**		1.0	0.42	mg/L			12/13/24 15:36	1
Nitrite as N (EPA 300.0)	<0.25	H3	1.0	0.25	mg/L			12/13/24 15:36	1
Fluoride (EPA 300.0)	<0.43		1.0	0.43	mg/L			12/13/24 15:36	1
Nitrate Nitrite as N (EPA 300.0)	<0.37	H3	1.0	0.37	mg/L			12/13/24 15:36	1
Sulfate (EPA 300.0)	**1.5**		1.0	0.47	mg/L			12/13/24 15:36	1
Cyanide, Total (EPA 335.4)	<0.0036		0.0050	0.0036	mg/L		12/15/24 09:23	12/15/24 11:34	1
Ammonia (EPA 350.1)	<0.10		0.20	0.10	mg/L		01/02/25 11:32	01/03/25 12:53	1
Phosphorus as P (EPA 365.1)	<0.024		0.050	0.024	mg/L		12/16/24 09:29	12/19/24 13:40	1
Alkalinity (SM 2320B)	**110**	**B**	5.0	3.7	mg/L			12/17/24 18:18	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**110**	**B**	5.0	3.7	mg/L			12/17/24 18:18	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<3.7		5.0	3.7	mg/L			12/17/24 18:18	1
Salinity (SM 2520B)	<0.33		0.33	0.33	psu			01/06/25 08:16	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261422-1

Client Sample ID: SBD-01_20241210
Date Collected: 12/10/24 13:00
Date Received: 12/13/24 09:20

Lab Sample ID: 500-261422-13
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	160		10	4.3	mg/L			12/16/24 03:32	1
Total Suspended Solids (SM 2540D)	17		8.3	3.2	mg/L			12/16/24 16:05	1
Sulfide (SM 4500 S2 F)	1.2		1.0	0.23	mg/L			12/17/24 23:34	1
Total Organic Carbon (SM 5310C)	9.3		1.0	0.47	mg/L			12/19/24 04:18	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon (SM 5310C)	8.2		1.0	0.47	mg/L			12/29/24 09:55	1

Client Sample Results

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261422-1

Client Sample ID: SBD-01_20241210_FBLL
Date Collected: 12/10/24 13:00
Date Received: 12/13/24 09:20

Lab Sample ID: 500-261422-14
Matrix: Water

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.35	J	0.50	0.20	ng/L			01/03/25 16:25	1

Client Sample ID: DUP-01-GW_20241210

Date Collected: 12/10/24 23:59
Date Received: 12/13/24 09:20

Lab Sample ID: 500-261422-15

Matrix: Water

Method: EPA 1630 - Methyl Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		12/27/24 11:42	12/27/24 21:18	1

Method: EPA 1630 - Methyl Mercury - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		12/27/24 11:42	12/27/24 21:48	1

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.80**		0.50	0.20	ng/L			12/30/24 18:23	1

Method: EPA 1631E - Mercury, Low Level (CVAFS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.78**		0.50	0.20	ng/L			12/30/24 18:27	1

Method: EPA 1638 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.39**		0.050	0.0098	ug/L		01/07/25 12:01	01/07/25 19:24	1

Method: EPA 1638 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.39**		0.050	0.0098	ug/L		01/07/25 12:01	01/07/25 19:27	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<25		100	25	ug/L		12/26/24 08:47	01/06/25 14:50	1
Antimony	<1.3		3.0	1.3	ug/L		12/26/24 08:47	01/06/25 14:50	1
Arsenic	**2.3**		1.0	0.23	ug/L		12/26/24 08:47	01/06/25 14:50	1
Barium	**550**		2.5	0.73	ug/L		12/26/24 08:47	01/06/25 14:50	1
Beryllium	<0.53		1.0	0.53	ug/L		12/26/24 08:47	01/06/25 14:50	1
Boron	**410**	**B**	50	13	ug/L		12/26/24 08:47	01/06/25 14:50	1
Cadmium	<0.17		0.50	0.17	ug/L		12/26/24 08:47	01/06/25 14:50	1
Calcium	**150000**		200	44	ug/L		12/26/24 08:47	01/06/25 14:50	1
Chromium	<1.1		5.0	1.1	ug/L		12/26/24 08:47	01/06/25 14:50	1
Cobalt	**1.8**		1.0	0.40	ug/L		12/26/24 08:47	01/06/25 14:50	1
Copper	<0.50		2.0	0.50	ug/L		12/26/24 08:47	01/06/25 14:50	1
Iron	**3800**		100	47	ug/L		12/26/24 08:47	01/06/25 14:50	1
Lead	<0.19		0.50	0.19	ug/L		12/26/24 08:47	01/06/25 14:50	1
Lithium	**45**		10	2.5	ug/L		12/26/24 08:47	01/06/25 14:50	1
Magnesium	**45000**		200	49	ug/L		12/26/24 08:47	01/06/25 14:50	1
Manganese	**4200**		2.5	0.79	ug/L		12/26/24 08:47	01/06/25 14:50	1
Molybdenum	**3.2**	**J**	5.0	2.5	ug/L		12/26/24 08:47	01/06/25 14:50	1
Nickel	**1.6**	**J**	2.0	0.63	ug/L		12/26/24 08:47	01/06/25 14:50	1
Potassium	**1800**		500	110	ug/L		12/26/24 08:47	01/06/25 14:50	1
Selenium	<0.98		2.5	0.98	ug/L		12/26/24 08:47	01/06/25 14:50	1
Silver	<0.12		0.50	0.12	ug/L		12/26/24 08:47	01/06/25 14:50	1
Sodium	**64000**		200	77	ug/L		12/26/24 08:47	01/06/25 14:50	1
Strontium	**2200**		4.0	0.64	ug/L		12/26/24 08:47	01/06/25 14:50	1
Thallium	<0.57		2.0	0.57	ug/L		12/26/24 08:47	01/06/25 14:50	1
Tin	<1.3		5.0	1.3	ug/L		12/26/24 08:47	01/06/25 14:50	1
Vanadium	<2.2		5.0	2.2	ug/L		12/26/24 08:47	01/06/25 14:50	1
Zinc	<6.9		20	6.9	ug/L		12/26/24 08:47	01/06/25 14:50	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261422-1

Client Sample ID: DUP-01-GW_20241210

Lab Sample ID: 500-261422-15

Date Collected: 12/10/24 23:59

Matrix: Water

Date Received: 12/13/24 09:20

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<25		100	25	ug/L		12/26/24 08:47	01/06/25 15:13	1
Antimony	<1.3		3.0	1.3	ug/L		12/26/24 08:47	01/06/25 15:13	1
Arsenic	**1.8**		1.0	0.23	ug/L		12/26/24 08:47	01/06/25 15:13	1
Barium	**530**		2.5	0.73	ug/L		12/26/24 08:47	01/06/25 15:13	1
Beryllium	<0.53		1.0	0.53	ug/L		12/26/24 08:47	01/06/25 15:13	1
Boron	**400**	**B**	50	13	ug/L		12/26/24 08:47	01/06/25 15:13	1
Cadmium	<0.17		0.50	0.17	ug/L		12/26/24 08:47	01/06/25 15:13	1
Calcium	**160000**		200	44	ug/L		12/26/24 08:47	01/06/25 15:13	1
Chromium	<1.1		5.0	1.1	ug/L		12/26/24 08:47	01/06/25 15:13	1
Cobalt	**1.8**		1.0	0.40	ug/L		12/26/24 08:47	01/06/25 15:13	1
Copper	<0.50		2.0	0.50	ug/L		12/26/24 08:47	01/06/25 15:13	1
Iron	**2800**		100	47	ug/L		12/26/24 08:47	01/06/25 15:13	1
Lead	<0.19		0.50	0.19	ug/L		12/26/24 08:47	01/06/25 15:13	1
Lithium	**45**		10	2.5	ug/L		12/26/24 08:47	01/06/25 15:13	1
Magnesium	**44000**		200	49	ug/L		12/26/24 08:47	01/06/25 15:13	1
Manganese	**4000**		2.5	0.79	ug/L		12/26/24 08:47	01/06/25 15:13	1
Molybdenum	**3.2**	**J**	5.0	2.5	ug/L		12/26/24 08:47	01/06/25 15:13	1
Nickel	**1.5**	**J**	2.0	0.63	ug/L		12/26/24 08:47	01/06/25 15:13	1
Potassium	**1700**		500	110	ug/L		12/26/24 08:47	01/06/25 15:13	1
Selenium	<0.98		2.5	0.98	ug/L		12/26/24 08:47	01/06/25 15:13	1
Silver	<0.12		0.50	0.12	ug/L		12/26/24 08:47	01/06/25 15:13	1
Sodium	**63000**		200	77	ug/L		12/26/24 08:47	01/06/25 15:13	1
Strontium	**2200**		4.0	0.64	ug/L		12/26/24 08:47	01/06/25 15:13	1
Thallium	<0.57		2.0	0.57	ug/L		12/26/24 08:47	01/06/25 15:13	1
Tin	<1.3		5.0	1.3	ug/L		12/26/24 08:47	01/06/25 15:13	1
Vanadium	<2.2		5.0	2.2	ug/L		12/26/24 08:47	01/06/25 15:13	1
Zinc	<6.9		20	6.9	ug/L		12/26/24 08:47	01/06/25 15:13	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**570**		0.91	0.46	mg/L		12/26/24 08:47	01/07/25 09:15	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	**1.0**		1.0	0.45	mg/L			12/13/24 15:52	1
Nitrate as N (EPA 300.0)	<0.37	H3	1.0	0.37	mg/L			12/13/24 15:52	1
Chloride (EPA 300.0)	**120**		10	4.2	mg/L			12/27/24 16:58	10
Nitrite as N (EPA 300.0)	<0.25	H3	1.0	0.25	mg/L			12/13/24 15:52	1
Fluoride (EPA 300.0)	<0.43		1.0	0.43	mg/L			12/13/24 15:52	1
Nitrate Nitrite as N (EPA 300.0)	<0.37	H3	1.0	0.37	mg/L			12/13/24 15:52	1
Sulfate (EPA 300.0)	<0.47		1.0	0.47	mg/L			12/13/24 15:52	1
Cyanide, Total (EPA 335.4)	<0.0036		0.0050	0.0036	mg/L		12/15/24 09:23	12/15/24 11:35	1
Ammonia (EPA 350.1)	<0.10		0.20	0.10	mg/L		01/02/25 11:32	01/03/25 12:53	1
Phosphorus as P (EPA 365.1)	<0.024		0.050	0.024	mg/L		12/16/24 09:29	12/19/24 13:40	1
Alkalinity (SM 2320B)	**490**	**B**	5.0	3.7	mg/L			12/17/24 18:26	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**490**	**B**	5.0	3.7	mg/L			12/17/24 18:26	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<3.7		5.0	3.7	mg/L			12/17/24 18:26	1
Salinity (SM 2520B)	**0.48**		0.33	0.33	psu			01/06/25 08:16	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261422-1

Client Sample ID: DUP-01-GW_20241210
Date Collected: 12/10/24 23:59
Date Received: 12/13/24 09:20

Lab Sample ID: 500-261422-15
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	780		10	4.3	mg/L			12/16/24 03:35	1
Total Suspended Solids (SM 2540D)	13		11	4.4	mg/L			12/16/24 16:07	1
Sulfide (SM 4500 S2 F)	<0.23		1.0	0.23	mg/L			12/17/24 23:38	1
Total Organic Carbon (SM 5310C)	8.1		1.0	0.47	mg/L			12/19/24 04:46	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon (SM 5310C)	7.7		1.0	0.47	mg/L			12/29/24 09:55	1

Client Sample Results

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261422-1

Client Sample ID: DUP-01-GW_20241210_FBLL
Date Collected: 12/10/24 23:59
Date Received: 12/13/24 09:20

Lab Sample ID: 500-261422-16
Matrix: Water

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.35	J	0.50	0.20	ng/L			12/30/24 16:39	1

Definitions/Glossary

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261422-1

Qualifiers

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
H3	Sample was received and analyzed past holding time. This does not meet regulatory requirements.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Metals

Prep Batch: 4137

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261422-1	SBW-01_20241210	Dissolved	Water	1630	
500-261422-1	SBW-01_20241210	Total/NA	Water	1630	
500-261422-3	FB-01-GW_20241210	Total/NA	Water	1630	
500-261422-5	MW-3A_20241210	Dissolved	Water	1630	
500-261422-5	MW-3A_20241210	Total/NA	Water	1630	
500-261422-7	MW-3B_20241210	Dissolved	Water	1630	
500-261422-7	MW-3B_20241210	Total/NA	Water	1630	
500-261422-9	MW-2A_20241210	Dissolved	Water	1630	
500-261422-9	MW-2A_20241210	Total/NA	Water	1630	
500-261422-11	MW-2B_20241210	Dissolved	Water	1630	
500-261422-11	MW-2B_20241210	Total/NA	Water	1630	
500-261422-13	SBD-01_20241210	Dissolved	Water	1630	
500-261422-13	SBD-01_20241210	Total/NA	Water	1630	
500-261422-15	DUP-01-GW_20241210	Dissolved	Water	1630	
500-261422-15	DUP-01-GW_20241210	Total/NA	Water	1630	
MB 350-4137/1-A	Method Blank	Total/NA	Water	1630	
MB 350-4137/2-A	Method Blank	Total/NA	Water	1630	
MB 350-4137/3-A	Method Blank	Total/NA	Water	1630	
LCS 350-4137/4-A	Lab Control Sample	Total/NA	Water	1630	
LCSD 350-4137/5-A	Lab Control Sample Dup	Total/NA	Water	1630	
500-261422-5 MS	MW-3A_20241210	Dissolved	Water	1630	
500-261422-5 MSD	MW-3A_20241210	Dissolved	Water	1630	

Analysis Batch: 4177

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261422-1	SBW-01_20241210	Dissolved	Water	1630	4137
500-261422-1	SBW-01_20241210	Total/NA	Water	1630	4137
500-261422-3	FB-01-GW_20241210	Total/NA	Water	1630	4137
500-261422-5	MW-3A_20241210	Dissolved	Water	1630	4137
500-261422-5	MW-3A_20241210	Total/NA	Water	1630	4137
500-261422-7	MW-3B_20241210	Dissolved	Water	1630	4137
500-261422-7	MW-3B_20241210	Total/NA	Water	1630	4137
500-261422-9	MW-2A_20241210	Dissolved	Water	1630	4137
500-261422-9	MW-2A_20241210	Total/NA	Water	1630	4137
500-261422-11	MW-2B_20241210	Dissolved	Water	1630	4137
500-261422-11	MW-2B_20241210	Total/NA	Water	1630	4137
500-261422-13	SBD-01_20241210	Dissolved	Water	1630	4137
500-261422-13	SBD-01_20241210	Total/NA	Water	1630	4137
500-261422-15	DUP-01-GW_20241210	Dissolved	Water	1630	4137
500-261422-15	DUP-01-GW_20241210	Total/NA	Water	1630	4137
MB 350-4137/1-A	Method Blank	Total/NA	Water	1630	4137
MB 350-4137/2-A	Method Blank	Total/NA	Water	1630	4137
MB 350-4137/3-A	Method Blank	Total/NA	Water	1630	4137
LCS 350-4137/4-A	Lab Control Sample	Total/NA	Water	1630	4137
LCSD 350-4137/5-A	Lab Control Sample Dup	Total/NA	Water	1630	4137
500-261422-5 MS	MW-3A_20241210	Dissolved	Water	1630	4137
500-261422-5 MSD	MW-3A_20241210	Dissolved	Water	1630	4137

Analysis Batch: 4226

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261422-1	SBW-01_20241210	Dissolved	Water	1631E	

Metals (Continued)

Analysis Batch: 4226 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261422-1	SBW-01_20241210	Total/NA	Water	1631E	
500-261422-15	DUP-01-GW_20241210	Dissolved	Water	1631E	
500-261422-15	DUP-01-GW_20241210	Total/NA	Water	1631E	
500-261422-16	DUP-01-GW_20241210_FBLL	Total/NA	Water	1631E	
MB 350-4226/17	Method Blank	Total/NA	Water	1631E	
MB 350-4226/18	Method Blank	Total/NA	Water	1631E	
MB 350-4226/19	Method Blank	Total/NA	Water	1631E	
MB 350-4226/25	Method Blank	Total/NA	Water	1631E	
MB 350-4226/26	Method Blank	Total/NA	Water	1631E	
MB 350-4226/27	Method Blank	Total/NA	Water	1631E	
LCS 350-4226/37	Lab Control Sample	Total/NA	Water	1631E	
LCS 350-4226/51	Lab Control Sample	Total/NA	Water	1631E	
LCSD 350-4226/38	Lab Control Sample Dup	Total/NA	Water	1631E	
LCSD 350-4226/52	Lab Control Sample Dup	Total/NA	Water	1631E	

Analysis Batch: 4285

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261422-2	SBW-01_20241210_FBLL	Total/NA	Water	1631E	
500-261422-3	FB-01-GW_20241210	Total/NA	Water	1631E	
500-261422-4	FB-01-GW_20241210_FBLL	Total/NA	Water	1631E	
500-261422-5	MW-3A_20241210	Dissolved	Water	1631E	
500-261422-5	MW-3A_20241210	Total/NA	Water	1631E	
500-261422-6	MW-3A_20241210_FBLL	Total/NA	Water	1631E	
500-261422-7	MW-3B_20241210	Dissolved	Water	1631E	
500-261422-7	MW-3B_20241210	Total/NA	Water	1631E	
500-261422-8	MW-3B_20241210_FBLL	Total/NA	Water	1631E	
500-261422-9	MW-2A_20241210	Dissolved	Water	1631E	
500-261422-9	MW-2A_20241210	Total/NA	Water	1631E	
500-261422-10	MW-2A_20241210_FBLL	Total/NA	Water	1631E	
500-261422-11	MW-2B_20241210	Dissolved	Water	1631E	
500-261422-11	MW-2B_20241210	Total/NA	Water	1631E	
500-261422-12	MW-2B_20241210_FBLL	Total/NA	Water	1631E	
500-261422-13	SBD-01_20241210	Dissolved	Water	1631E	
500-261422-13	SBD-01_20241210	Total/NA	Water	1631E	
500-261422-14	SBD-01_20241210_FBLL	Total/NA	Water	1631E	
MB 350-4285/31	Method Blank	Total/NA	Water	1631E	
MB 350-4285/32	Method Blank	Total/NA	Water	1631E	
MB 350-4285/35	Method Blank	Total/NA	Water	1631E	
LCS 350-4285/38	Lab Control Sample	Total/NA	Water	1631E	
LCSD 350-4285/39	Lab Control Sample Dup	Total/NA	Water	1631E	

Prep Batch: 4297

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261422-1	SBW-01_20241210	Dissolved	Water	1638	
500-261422-1	SBW-01_20241210	Total Recoverable	Water	1638	
500-261422-5	MW-3A_20241210	Dissolved	Water	1638	
500-261422-5	MW-3A_20241210	Total Recoverable	Water	1638	
500-261422-7	MW-3B_20241210	Total Recoverable	Water	1638	
MB 350-4297/1-A	Method Blank	Total Recoverable	Water	1638	
MB 350-4297/2-A	Method Blank	Total Recoverable	Water	1638	
LCS 350-4297/3-A	Lab Control Sample	Total Recoverable	Water	1638	

Metals (Continued)

Prep Batch: 4297 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 350-4297/4-A	Lab Control Sample Dup	Total Recoverable	Water	1638	

Prep Batch: 4315

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261422-3	FB-01-GW_20241210	Total Recoverable	Water	1638	
500-261422-7	MW-3B_20241210	Dissolved	Water	1638	
500-261422-9	MW-2A_20241210	Dissolved	Water	1638	
500-261422-9	MW-2A_20241210	Total Recoverable	Water	1638	
500-261422-11	MW-2B_20241210	Dissolved	Water	1638	
500-261422-11	MW-2B_20241210	Total Recoverable	Water	1638	
500-261422-13	SBD-01_20241210	Dissolved	Water	1638	
500-261422-13	SBD-01_20241210	Total Recoverable	Water	1638	
500-261422-15	DUP-01-GW_20241210	Dissolved	Water	1638	
500-261422-15	DUP-01-GW_20241210	Total Recoverable	Water	1638	
MB 350-4315/1-A	Method Blank	Total Recoverable	Water	1638	
MB 350-4315/2-A	Method Blank	Total Recoverable	Water	1638	
LCS 350-4315/3-A	Lab Control Sample	Total Recoverable	Water	1638	
LCSD 350-4315/4-A	Lab Control Sample Dup	Total Recoverable	Water	1638	
500-261422-3 MS	FB-01-GW_20241210	Total Recoverable	Water	1638	
500-261422-3 MSD	FB-01-GW_20241210	Total Recoverable	Water	1638	

Analysis Batch: 4338

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261422-1	SBW-01_20241210	Dissolved	Water	1638	4297
500-261422-1	SBW-01_20241210	Total Recoverable	Water	1638	4297
500-261422-5	MW-3A_20241210	Dissolved	Water	1638	4297
500-261422-5	MW-3A_20241210	Total Recoverable	Water	1638	4297
500-261422-7	MW-3B_20241210	Total Recoverable	Water	1638	4297
MB 350-4297/1-A	Method Blank	Total Recoverable	Water	1638	4297
MB 350-4297/2-A	Method Blank	Total Recoverable	Water	1638	4297
LCS 350-4297/3-A	Lab Control Sample	Total Recoverable	Water	1638	4297
LCSD 350-4297/4-A	Lab Control Sample Dup	Total Recoverable	Water	1638	4297

Analysis Batch: 4340

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261422-3	FB-01-GW_20241210	Total Recoverable	Water	1638	4315
500-261422-7	MW-3B_20241210	Dissolved	Water	1638	4315
500-261422-9	MW-2A_20241210	Dissolved	Water	1638	4315
500-261422-9	MW-2A_20241210	Total Recoverable	Water	1638	4315
500-261422-11	MW-2B_20241210	Dissolved	Water	1638	4315
500-261422-11	MW-2B_20241210	Total Recoverable	Water	1638	4315
500-261422-13	SBD-01_20241210	Dissolved	Water	1638	4315
500-261422-13	SBD-01_20241210	Total Recoverable	Water	1638	4315
500-261422-15	DUP-01-GW_20241210	Dissolved	Water	1638	4315
500-261422-15	DUP-01-GW_20241210	Total Recoverable	Water	1638	4315
MB 350-4315/1-A	Method Blank	Total Recoverable	Water	1638	4315
MB 350-4315/2-A	Method Blank	Total Recoverable	Water	1638	4315
LCS 350-4315/3-A	Lab Control Sample	Total Recoverable	Water	1638	4315
LCSD 350-4315/4-A	Lab Control Sample Dup	Total Recoverable	Water	1638	4315
500-261422-3 MS	FB-01-GW_20241210	Total Recoverable	Water	1638	4315
500-261422-3 MSD	FB-01-GW_20241210	Total Recoverable	Water	1638	4315

Metals

Prep Batch: 800700

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261422-1	SBW-01_20241210	Dissolved	Water	3005A	
500-261422-1	SBW-01_20241210	Total Recoverable	Water	3005A	
500-261422-3	FB-01-GW_20241210	Total Recoverable	Water	3005A	
500-261422-5	MW-3A_20241210	Dissolved	Water	3005A	
500-261422-5	MW-3A_20241210	Total Recoverable	Water	3005A	
500-261422-7	MW-3B_20241210	Dissolved	Water	3005A	
500-261422-7	MW-3B_20241210	Total Recoverable	Water	3005A	
500-261422-9	MW-2A_20241210	Dissolved	Water	3005A	
500-261422-9	MW-2A_20241210	Total Recoverable	Water	3005A	
500-261422-11	MW-2B_20241210	Dissolved	Water	3005A	
500-261422-11	MW-2B_20241210	Total Recoverable	Water	3005A	
500-261422-13	SBD-01_20241210	Dissolved	Water	3005A	
500-261422-13	SBD-01_20241210	Total Recoverable	Water	3005A	
500-261422-15	DUP-01-GW_20241210	Dissolved	Water	3005A	
500-261422-15	DUP-01-GW_20241210	Total Recoverable	Water	3005A	
MB 500-800700/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 500-800700/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Analysis Batch: 801920

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261422-1	SBW-01_20241210	Dissolved	Water	6020B	800700
500-261422-1	SBW-01_20241210	Total Recoverable	Water	6020B	800700
500-261422-3	FB-01-GW_20241210	Total Recoverable	Water	6020B	800700
500-261422-5	MW-3A_20241210	Dissolved	Water	6020B	800700
500-261422-5	MW-3A_20241210	Total Recoverable	Water	6020B	800700
500-261422-7	MW-3B_20241210	Dissolved	Water	6020B	800700
500-261422-7	MW-3B_20241210	Total Recoverable	Water	6020B	800700
500-261422-9	MW-2A_20241210	Dissolved	Water	6020B	800700
500-261422-9	MW-2A_20241210	Total Recoverable	Water	6020B	800700
500-261422-11	MW-2B_20241210	Dissolved	Water	6020B	800700
500-261422-11	MW-2B_20241210	Total Recoverable	Water	6020B	800700
500-261422-13	SBD-01_20241210	Dissolved	Water	6020B	800700
500-261422-13	SBD-01_20241210	Total Recoverable	Water	6020B	800700
500-261422-15	DUP-01-GW_20241210	Dissolved	Water	6020B	800700
500-261422-15	DUP-01-GW_20241210	Total Recoverable	Water	6020B	800700
MB 500-800700/1-A	Method Blank	Total Recoverable	Water	6020B	800700
LCS 500-800700/2-A	Lab Control Sample	Total Recoverable	Water	6020B	800700

Analysis Batch: 801940

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261422-1	SBW-01_20241210	Total Recoverable	Water	SM 2340B	800700
500-261422-3	FB-01-GW_20241210	Total Recoverable	Water	SM 2340B	800700
500-261422-5	MW-3A_20241210	Total Recoverable	Water	SM 2340B	800700
500-261422-7	MW-3B_20241210	Total Recoverable	Water	SM 2340B	800700
500-261422-9	MW-2A_20241210	Total Recoverable	Water	SM 2340B	800700
500-261422-11	MW-2B_20241210	Total Recoverable	Water	SM 2340B	800700
500-261422-13	SBD-01_20241210	Total Recoverable	Water	SM 2340B	800700
500-261422-15	DUP-01-GW_20241210	Total Recoverable	Water	SM 2340B	800700

General Chemistry

Analysis Batch: 799308

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261422-1	SBW-01_20241210	Total/NA	Water	300.0	
500-261422-3	FB-01-GW_20241210	Total/NA	Water	300.0	
500-261422-5	MW-3A_20241210	Total/NA	Water	300.0	
500-261422-7	MW-3B_20241210	Total/NA	Water	300.0	
500-261422-9	MW-2A_20241210	Total/NA	Water	300.0	
500-261422-11	MW-2B_20241210	Total/NA	Water	300.0	
500-261422-13	SBD-01_20241210	Total/NA	Water	300.0	
500-261422-15	DUP-01-GW_20241210	Total/NA	Water	300.0	
MB 500-799308/3	Method Blank	Total/NA	Water	300.0	
LCS 500-799308/4	Lab Control Sample	Total/NA	Water	300.0	
500-261422-15 MS	DUP-01-GW_20241210	Total/NA	Water	300.0	
500-261422-15 MSD	DUP-01-GW_20241210	Total/NA	Water	300.0	

Analysis Batch: 799309

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261422-1	SBW-01_20241210	Total/NA	Water	300.0	
500-261422-3	FB-01-GW_20241210	Total/NA	Water	300.0	
500-261422-5	MW-3A_20241210	Total/NA	Water	300.0	
500-261422-7	MW-3B_20241210	Total/NA	Water	300.0	
500-261422-9	MW-2A_20241210	Total/NA	Water	300.0	
500-261422-11	MW-2B_20241210	Total/NA	Water	300.0	
500-261422-13	SBD-01_20241210	Total/NA	Water	300.0	
500-261422-15	DUP-01-GW_20241210	Total/NA	Water	300.0	
MB 500-799309/3	Method Blank	Total/NA	Water	300.0	
LCS 500-799309/4	Lab Control Sample	Total/NA	Water	300.0	
500-261422-15 MS	DUP-01-GW_20241210	Total/NA	Water	300.0	
500-261422-15 MSD	DUP-01-GW_20241210	Total/NA	Water	300.0	

Prep Batch: 799428

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261422-1	SBW-01_20241210	Total/NA	Water	Distill/CN	
500-261422-3	FB-01-GW_20241210	Total/NA	Water	Distill/CN	
500-261422-5	MW-3A_20241210	Total/NA	Water	Distill/CN	
500-261422-7	MW-3B_20241210	Total/NA	Water	Distill/CN	
500-261422-9	MW-2A_20241210	Total/NA	Water	Distill/CN	
500-261422-11	MW-2B_20241210	Total/NA	Water	Distill/CN	
500-261422-13	SBD-01_20241210	Total/NA	Water	Distill/CN	
500-261422-15	DUP-01-GW_20241210	Total/NA	Water	Distill/CN	
MB 500-799428/1-A	Method Blank	Total/NA	Water	Distill/CN	
LCS 500-799428/2-A	Lab Control Sample	Total/NA	Water	Distill/CN	
500-261422-3 MS	FB-01-GW_20241210	Total/NA	Water	Distill/CN	
500-261422-3 MSD	FB-01-GW_20241210	Total/NA	Water	Distill/CN	

Analysis Batch: 799432

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261422-1	SBW-01_20241210	Total/NA	Water	335.4	799428
500-261422-3	FB-01-GW_20241210	Total/NA	Water	335.4	799428
500-261422-5	MW-3A_20241210	Total/NA	Water	335.4	799428
500-261422-7	MW-3B_20241210	Total/NA	Water	335.4	799428
500-261422-9	MW-2A_20241210	Total/NA	Water	335.4	799428
500-261422-11	MW-2B_20241210	Total/NA	Water	335.4	799428

General Chemistry (Continued)

Analysis Batch: 799432 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261422-13	SBD-01_20241210	Total/NA	Water	335.4	799428
500-261422-15	DUP-01-GW_20241210	Total/NA	Water	335.4	799428
MB 500-799428/1-A	Method Blank	Total/NA	Water	335.4	799428
LCS 500-799428/2-A	Lab Control Sample	Total/NA	Water	335.4	799428
500-261422-3 MS	FB-01-GW_20241210	Total/NA	Water	335.4	799428
500-261422-3 MSD	FB-01-GW_20241210	Total/NA	Water	335.4	799428

Analysis Batch: 799457

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261422-1	SBW-01_20241210	Total/NA	Water	SM 2540C	
500-261422-3	FB-01-GW_20241210	Total/NA	Water	SM 2540C	
500-261422-5	MW-3A_20241210	Total/NA	Water	SM 2540C	
500-261422-7	MW-3B_20241210	Total/NA	Water	SM 2540C	
500-261422-9	MW-2A_20241210	Total/NA	Water	SM 2540C	
500-261422-11	MW-2B_20241210	Total/NA	Water	SM 2540C	
500-261422-13	SBD-01_20241210	Total/NA	Water	SM 2540C	
500-261422-15	DUP-01-GW_20241210	Total/NA	Water	SM 2540C	
MB 500-799457/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-799457/2	Lab Control Sample	Total/NA	Water	SM 2540C	

Prep Batch: 799544

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261422-1	SBW-01_20241210	Total/NA	Water	365.2/365.3/365	
500-261422-3	FB-01-GW_20241210	Total/NA	Water	365.2/365.3/365	
500-261422-5	MW-3A_20241210	Total/NA	Water	365.2/365.3/365	
500-261422-7	MW-3B_20241210	Total/NA	Water	365.2/365.3/365	
500-261422-9	MW-2A_20241210	Total/NA	Water	365.2/365.3/365	
500-261422-11	MW-2B_20241210	Total/NA	Water	365.2/365.3/365	
500-261422-13	SBD-01_20241210	Total/NA	Water	365.2/365.3/365	
500-261422-15	DUP-01-GW_20241210	Total/NA	Water	365.2/365.3/365	
MB 500-799544/1-A	Method Blank	Total/NA	Water	365.2/365.3/365	
LCS 500-799544/2-A	Lab Control Sample	Total/NA	Water	365.2/365.3/365	

Analysis Batch: 799572

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261422-1	SBW-01_20241210	Total/NA	Water	SM 2540D	
500-261422-3	FB-01-GW_20241210	Total/NA	Water	SM 2540D	
500-261422-5	MW-3A_20241210	Total/NA	Water	SM 2540D	
MB 500-799572/1	Method Blank	Total/NA	Water	SM 2540D	
LCS 500-799572/2	Lab Control Sample	Total/NA	Water	SM 2540D	

Analysis Batch: 799617

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261422-7	MW-3B_20241210	Total/NA	Water	SM 2540D	
500-261422-9	MW-2A_20241210	Total/NA	Water	SM 2540D	
500-261422-11	MW-2B_20241210	Total/NA	Water	SM 2540D	
500-261422-13	SBD-01_20241210	Total/NA	Water	SM 2540D	
500-261422-15	DUP-01-GW_20241210	Total/NA	Water	SM 2540D	
MB 500-799617/1	Method Blank	Total/NA	Water	SM 2540D	
LCS 500-799617/2	Lab Control Sample	Total/NA	Water	SM 2540D	

QC Association Summary

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261422-1

General Chemistry

Analysis Batch: 799866

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261422-1	SBW-01_20241210	Total/NA	Water	SM 2320B	
500-261422-5	MW-3A_20241210	Total/NA	Water	SM 2320B	
500-261422-7	MW-3B_20241210	Total/NA	Water	SM 2320B	
500-261422-9	MW-2A_20241210	Total/NA	Water	SM 2320B	
500-261422-11	MW-2B_20241210	Total/NA	Water	SM 2320B	
500-261422-13	SBD-01_20241210	Total/NA	Water	SM 2320B	
500-261422-15	DUP-01-GW_20241210	Total/NA	Water	SM 2320B	
MB 500-799866/28	Method Blank	Total/NA	Water	SM 2320B	
LCS 500-799866/4	Lab Control Sample	Total/NA	Water	SM 2320B	

Analysis Batch: 799901

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261422-1	SBW-01_20241210	Total/NA	Water	SM 4500 S2 F	
500-261422-3	FB-01-GW_20241210	Total/NA	Water	SM 4500 S2 F	
500-261422-5	MW-3A_20241210	Total/NA	Water	SM 4500 S2 F	
500-261422-7	MW-3B_20241210	Total/NA	Water	SM 4500 S2 F	
500-261422-9	MW-2A_20241210	Total/NA	Water	SM 4500 S2 F	
500-261422-11	MW-2B_20241210	Total/NA	Water	SM 4500 S2 F	
500-261422-13	SBD-01_20241210	Total/NA	Water	SM 4500 S2 F	
500-261422-15	DUP-01-GW_20241210	Total/NA	Water	SM 4500 S2 F	
MB 500-799901/1	Method Blank	Total/NA	Water	SM 4500 S2 F	
LCS 500-799901/2	Lab Control Sample	Total/NA	Water	SM 4500 S2 F	

Analysis Batch: 800190

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261422-1	SBW-01_20241210	Total/NA	Water	365.1	799544
500-261422-3	FB-01-GW_20241210	Total/NA	Water	365.1	799544
500-261422-5	MW-3A_20241210	Total/NA	Water	365.1	799544
500-261422-7	MW-3B_20241210	Total/NA	Water	365.1	799544
500-261422-9	MW-2A_20241210	Total/NA	Water	365.1	799544
500-261422-11	MW-2B_20241210	Total/NA	Water	365.1	799544
500-261422-13	SBD-01_20241210	Total/NA	Water	365.1	799544
500-261422-15	DUP-01-GW_20241210	Total/NA	Water	365.1	799544
MB 500-799544/1-A	Method Blank	Total/NA	Water	365.1	799544
LCS 500-799544/2-A	Lab Control Sample	Total/NA	Water	365.1	799544

Analysis Batch: 800212

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261422-1	SBW-01_20241210	Total/NA	Water	SM 5310C	
500-261422-3	FB-01-GW_20241210	Total/NA	Water	SM 5310C	
500-261422-5	MW-3A_20241210	Total/NA	Water	SM 5310C	
500-261422-7	MW-3B_20241210	Total/NA	Water	SM 5310C	
500-261422-9	MW-2A_20241210	Total/NA	Water	SM 5310C	
500-261422-11	MW-2B_20241210	Total/NA	Water	SM 5310C	
500-261422-13	SBD-01_20241210	Total/NA	Water	SM 5310C	
500-261422-15	DUP-01-GW_20241210	Total/NA	Water	SM 5310C	
MB 500-800212/11	Method Blank	Total/NA	Water	SM 5310C	
LCS 500-800212/12	Lab Control Sample	Total/NA	Water	SM 5310C	

General Chemistry

Analysis Batch: 800446

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261422-3	FB-01-GW_20241210	Total/NA	Water	SM 2320B	
MB 500-800446/53	Method Blank	Total/NA	Water	SM 2320B	
LCS 500-800446/4	Lab Control Sample	Total/NA	Water	SM 2320B	

Analysis Batch: 800747

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261422-5	MW-3A_20241210	Total/NA	Water	300.0	
500-261422-7	MW-3B_20241210	Total/NA	Water	300.0	
500-261422-9	MW-2A_20241210	Total/NA	Water	300.0	
500-261422-11	MW-2B_20241210	Total/NA	Water	300.0	
500-261422-15	DUP-01-GW_20241210	Total/NA	Water	300.0	
MB 500-800747/3	Method Blank	Total/NA	Water	300.0	
LCS 500-800747/4	Lab Control Sample	Total/NA	Water	300.0	

Prep Batch: 800922

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261422-1	SBW-01_20241210	Total/NA	Water	Distill/Ammonia	
500-261422-3	FB-01-GW_20241210	Total/NA	Water	Distill/Ammonia	
500-261422-5	MW-3A_20241210	Total/NA	Water	Distill/Ammonia	
MB 500-800922/1-A	Method Blank	Total/NA	Water	Distill/Ammonia	
LCS 500-800922/2-A	Lab Control Sample	Total/NA	Water	Distill/Ammonia	

Analysis Batch: 800975

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261422-3	FB-01-GW_20241210	Total/NA	Water	350.1	800922
500-261422-5	MW-3A_20241210	Total/NA	Water	350.1	800922
MB 500-800922/1-A	Method Blank	Total/NA	Water	350.1	800922
LCS 500-800922/2-A	Lab Control Sample	Total/NA	Water	350.1	800922

Analysis Batch: 800995

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261422-1	SBW-01_20241210	Dissolved	Water	SM 5310C	
500-261422-5	MW-3A_20241210	Dissolved	Water	SM 5310C	
500-261422-7	MW-3B_20241210	Dissolved	Water	SM 5310C	
500-261422-9	MW-2A_20241210	Dissolved	Water	SM 5310C	
500-261422-11	MW-2B_20241210	Dissolved	Water	SM 5310C	
500-261422-13	SBD-01_20241210	Dissolved	Water	SM 5310C	
500-261422-15	DUP-01-GW_20241210	Dissolved	Water	SM 5310C	
MB 500-800995/7	Method Blank	Dissolved	Water	SM 5310C	
LCS 500-800995/8	Lab Control Sample	Dissolved	Water	SM 5310C	

Prep Batch: 801391

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261422-7	MW-3B_20241210	Total/NA	Water	Distill/Ammonia	
500-261422-9	MW-2A_20241210	Total/NA	Water	Distill/Ammonia	
500-261422-11	MW-2B_20241210	Total/NA	Water	Distill/Ammonia	
500-261422-13	SBD-01_20241210	Total/NA	Water	Distill/Ammonia	
500-261422-15	DUP-01-GW_20241210	Total/NA	Water	Distill/Ammonia	
MB 500-801391/1-A	Method Blank	Total/NA	Water	Distill/Ammonia	
LCS 500-801391/2-A	Lab Control Sample	Total/NA	Water	Distill/Ammonia	
500-261422-7 MS	MW-3B_20241210	Total/NA	Water	Distill/Ammonia	

General Chemistry (Continued)

Prep Batch: 801391 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261422-7 MSD	MW-3B_20241210	Total/NA	Water	Distill/Ammonia	

Analysis Batch: 801667

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261422-1	SBW-01_20241210	Total/NA	Water	350.1	800922
500-261422-7	MW-3B_20241210	Total/NA	Water	350.1	801391
500-261422-9	MW-2A_20241210	Total/NA	Water	350.1	801391
500-261422-11	MW-2B_20241210	Total/NA	Water	350.1	801391
500-261422-13	SBD-01_20241210	Total/NA	Water	350.1	801391
500-261422-15	DUP-01-GW_20241210	Total/NA	Water	350.1	801391
MB 500-800922/1-A	Method Blank	Total/NA	Water	350.1	800922
MB 500-801391/1-A	Method Blank	Total/NA	Water	350.1	801391
LCS 500-800922/2-A	Lab Control Sample	Total/NA	Water	350.1	800922
LCS 500-801391/2-A	Lab Control Sample	Total/NA	Water	350.1	801391
500-261422-7 MS	MW-3B_20241210	Total/NA	Water	350.1	801391
500-261422-7 MSD	MW-3B_20241210	Total/NA	Water	350.1	801391

Analysis Batch: 801731

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261422-1	SBW-01_20241210	Total/NA	Water	SM 2520B	
500-261422-3	FB-01-GW_20241210	Total/NA	Water	SM 2520B	
500-261422-5	MW-3A_20241210	Total/NA	Water	SM 2520B	
500-261422-7	MW-3B_20241210	Total/NA	Water	SM 2520B	
500-261422-9	MW-2A_20241210	Total/NA	Water	SM 2520B	
500-261422-11	MW-2B_20241210	Total/NA	Water	SM 2520B	
500-261422-13	SBD-01_20241210	Total/NA	Water	SM 2520B	
500-261422-15	DUP-01-GW_20241210	Total/NA	Water	SM 2520B	
500-261422-11 DU	MW-2B_20241210	Total/NA	Water	SM 2520B	

Method: 1630 - Methyl Mercury

Lab Sample ID: MB 350-4137/1-A
Matrix: Water
Analysis Batch: 4177

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 4137

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	0.0223	J	0.050	0.022	ng/L		12/27/24 11:42	12/27/24 16:11	1

Lab Sample ID: MB 350-4137/2-A
Matrix: Water
Analysis Batch: 4177

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 4137

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		12/27/24 11:42	12/27/24 16:21	1

Lab Sample ID: MB 350-4137/3-A
Matrix: Water
Analysis Batch: 4177

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 4137

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		12/27/24 11:42	12/27/24 16:32	1

Lab Sample ID: LCS 350-4137/4-A
Matrix: Water
Analysis Batch: 4177

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 4137

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Methyl Mercury			1.00	0.835		ng/L		83	65 - 135		

Lab Sample ID: LCSD 350-4137/5-A
Matrix: Water
Analysis Batch: 4177

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 4137

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Methyl Mercury			1.00	0.863		ng/L		86	65 - 135	3	35

Lab Sample ID: 500-261422-5 MS
Matrix: Water
Analysis Batch: 4177

Client Sample ID: MW-3A_20241210
Prep Type: Dissolved
Prep Batch: 4137

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Methyl Mercury	<0.022		1.00	0.818		ng/L		82	65 - 135		

Lab Sample ID: 500-261422-5 MSD
Matrix: Water
Analysis Batch: 4177

Client Sample ID: MW-3A_20241210
Prep Type: Dissolved
Prep Batch: 4137

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Methyl Mercury	<0.022		1.00	1.02		ng/L		102	65 - 135	22	35

Method: 1631E - Mercury, Low Level (CVAFS)

Lab Sample ID: MB 350-4226/17
Matrix: Water
Analysis Batch: 4226

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			12/30/24 12:47	1

Lab Sample ID: MB 350-4226/18
Matrix: Water
Analysis Batch: 4226

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			12/30/24 12:51	1

Lab Sample ID: MB 350-4226/19
Matrix: Water
Analysis Batch: 4226

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			12/30/24 12:55	1

Lab Sample ID: MB 350-4226/25
Matrix: Water
Analysis Batch: 4226

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			12/30/24 13:20	1

Lab Sample ID: MB 350-4226/26
Matrix: Water
Analysis Batch: 4226

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			12/30/24 13:24	1

Lab Sample ID: MB 350-4226/27
Matrix: Water
Analysis Batch: 4226

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			12/30/24 13:28	1

Lab Sample ID: LCS 350-4226/37
Matrix: Water
Analysis Batch: 4226

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury			5.00	4.55		ng/L		91	77 - 123		

Lab Sample ID: LCS 350-4226/51
Matrix: Water
Analysis Batch: 4226

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury			5.00	4.74		ng/L		95	77 - 123		

Method: 1631E - Mercury, Low Level (CVAFS)

Lab Sample ID: LCSD 350-4226/38
Matrix: Water
Analysis Batch: 4226

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury			5.00	4.58		ng/L		92	77 - 123	1	24

Lab Sample ID: LCSD 350-4226/52
Matrix: Water
Analysis Batch: 4226

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury			5.00	4.61		ng/L		92	77 - 123	3	24

Lab Sample ID: MB 350-4285/31
Matrix: Water
Analysis Batch: 4285

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			01/03/25 12:15	1

Lab Sample ID: MB 350-4285/32
Matrix: Water
Analysis Batch: 4285

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			01/03/25 12:19	1

Lab Sample ID: MB 350-4285/35
Matrix: Water
Analysis Batch: 4285

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			01/03/25 12:31	1

Lab Sample ID: LCS 350-4285/38
Matrix: Water
Analysis Batch: 4285

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury			5.00	4.44		ng/L		89	77 - 123

Lab Sample ID: LCSD 350-4285/39
Matrix: Water
Analysis Batch: 4285

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury			5.00	4.39		ng/L		88	77 - 123	1	24

Method: 1638 - Metals (ICP/MS)

Lab Sample ID: MB 350-4297/1-A
Matrix: Water
Analysis Batch: 4338

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 4297

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	<0.0098		0.050	0.0098	ug/L		01/06/25 13:37	01/07/25 15:10	1

Lab Sample ID: MB 350-4297/2-A
Matrix: Water
Analysis Batch: 4338

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 4297

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	<0.0098		0.050	0.0098	ug/L		01/06/25 13:37	01/07/25 15:14	1

Lab Sample ID: LCS 350-4297/3-A
Matrix: Water
Analysis Batch: 4338

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 4297

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Uranium	25.0	23.9		ug/L		96	85 - 115

Lab Sample ID: LCSD 350-4297/4-A
Matrix: Water
Analysis Batch: 4338

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 4297

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Uranium	25.0	24.1		ug/L		96	85 - 115	1	20

Lab Sample ID: MB 350-4315/1-A
Matrix: Water
Analysis Batch: 4340

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 4315

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	<0.0098		0.050	0.0098	ug/L		01/07/25 12:01	01/07/25 18:18	1

Lab Sample ID: MB 350-4315/2-A
Matrix: Water
Analysis Batch: 4340

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 4315

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	<0.0098		0.050	0.0098	ug/L		01/07/25 12:01	01/07/25 18:22	1

Lab Sample ID: LCS 350-4315/3-A
Matrix: Water
Analysis Batch: 4340

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 4315

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Uranium	25.0	23.2		ug/L		93	85 - 115

Lab Sample ID: LCSD 350-4315/4-A
Matrix: Water
Analysis Batch: 4340

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 4315

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Uranium	25.0	23.9		ug/L		96	85 - 115	3	20

Method: 1638 - Metals (ICP/MS)

Lab Sample ID: 500-261422-3 MS
Matrix: Water
Analysis Batch: 4340

Client Sample ID: FB-01-GW_20241210
Prep Type: Total Recoverable
Prep Batch: 4315

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Uranium	0.016	J	25.0	24.0		ug/L		96	70 - 130

Lab Sample ID: 500-261422-3 MSD
Matrix: Water
Analysis Batch: 4340

Client Sample ID: FB-01-GW_20241210
Prep Type: Total Recoverable
Prep Batch: 4315

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Uranium	0.016	J	25.0	23.6		ug/L		94	70 - 130	2	20

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 500-800700/1-A
Matrix: Water
Analysis Batch: 801920

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 800700

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<25		100	25	ug/L		12/26/24 08:47	01/06/25 14:03	1
Antimony	<1.3		3.0	1.3	ug/L		12/26/24 08:47	01/06/25 14:03	1
Arsenic	<0.23		1.0	0.23	ug/L		12/26/24 08:47	01/06/25 14:03	1
Barium	<0.73		2.5	0.73	ug/L		12/26/24 08:47	01/06/25 14:03	1
Beryllium	<0.53		1.0	0.53	ug/L		12/26/24 08:47	01/06/25 14:03	1
Boron	16.5	J	50	13	ug/L		12/26/24 08:47	01/06/25 14:03	1
Cadmium	<0.17		0.50	0.17	ug/L		12/26/24 08:47	01/06/25 14:03	1
Calcium	<44		200	44	ug/L		12/26/24 08:47	01/06/25 14:03	1
Chromium	<1.1		5.0	1.1	ug/L		12/26/24 08:47	01/06/25 14:03	1
Cobalt	<0.40		1.0	0.40	ug/L		12/26/24 08:47	01/06/25 14:03	1
Copper	<0.50		2.0	0.50	ug/L		12/26/24 08:47	01/06/25 14:03	1
Iron	<47		100	47	ug/L		12/26/24 08:47	01/06/25 14:03	1
Lead	<0.19		0.50	0.19	ug/L		12/26/24 08:47	01/06/25 14:03	1
Lithium	<2.5		10	2.5	ug/L		12/26/24 08:47	01/06/25 14:03	1
Magnesium	<49		200	49	ug/L		12/26/24 08:47	01/06/25 14:03	1
Manganese	<0.79		2.5	0.79	ug/L		12/26/24 08:47	01/06/25 14:03	1
Molybdenum	<2.5		5.0	2.5	ug/L		12/26/24 08:47	01/06/25 14:03	1
Nickel	<0.63		2.0	0.63	ug/L		12/26/24 08:47	01/06/25 14:03	1
Potassium	<110		500	110	ug/L		12/26/24 08:47	01/06/25 14:03	1
Selenium	<0.98		2.5	0.98	ug/L		12/26/24 08:47	01/06/25 14:03	1
Silver	<0.12		0.50	0.12	ug/L		12/26/24 08:47	01/06/25 14:03	1
Sodium	<77		200	77	ug/L		12/26/24 08:47	01/06/25 14:03	1
Strontium	<0.64		4.0	0.64	ug/L		12/26/24 08:47	01/06/25 14:03	1
Thallium	<0.57		2.0	0.57	ug/L		12/26/24 08:47	01/06/25 14:03	1
Tin	<1.3		5.0	1.3	ug/L		12/26/24 08:47	01/06/25 14:03	1
Vanadium	<2.2		5.0	2.2	ug/L		12/26/24 08:47	01/06/25 14:03	1
Zinc	<6.9		20	6.9	ug/L		12/26/24 08:47	01/06/25 14:03	1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 500-800700/2-A
Matrix: Water
Analysis Batch: 801920

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 800700

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	2000	1960		ug/L		98	80 - 120
Antimony	500	511		ug/L		102	80 - 120
Arsenic	100	96.9		ug/L		97	80 - 120
Barium	500	497		ug/L		99	80 - 120
Beryllium	50.0	51.1		ug/L		102	80 - 120
Boron	1000	990		ug/L		99	80 - 120
Cadmium	50.0	50.7		ug/L		101	80 - 120
Calcium	10000	9230		ug/L		92	80 - 120
Chromium	200	209		ug/L		104	80 - 120
Cobalt	500	535		ug/L		107	80 - 120
Copper	250	256		ug/L		102	80 - 120
Iron	1000	1060		ug/L		106	80 - 120
Lead	100	102		ug/L		102	80 - 120
Lithium	100	105		ug/L		105	80 - 120
Magnesium	10000	10400		ug/L		104	80 - 120
Manganese	500	519		ug/L		104	80 - 120
Molybdenum	1000	983		ug/L		98	80 - 120
Nickel	500	508		ug/L		102	80 - 120
Potassium	10000	10300		ug/L		103	80 - 120
Selenium	100	94.6		ug/L		95	80 - 120
Silver	50.0	50.5		ug/L		101	80 - 120
Sodium	10000	10300		ug/L		103	80 - 120
Strontium	1000	956		ug/L		96	80 - 120
Thallium	100	105		ug/L		105	80 - 120
Tin	1000	993		ug/L		99	80 - 120
Vanadium	500	509		ug/L		102	80 - 120
Zinc	500	502		ug/L		100	80 - 120

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 500-799308/3
Matrix: Water
Analysis Batch: 799308

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	<0.45		1.0	0.45	mg/L			12/13/24 10:22	1
Chloride	<0.42		1.0	0.42	mg/L			12/13/24 10:22	1
Fluoride	<0.43		1.0	0.43	mg/L			12/13/24 10:22	1
Sulfate	<0.47		1.0	0.47	mg/L			12/13/24 10:22	1

Lab Sample ID: LCS 500-799308/4
Matrix: Water
Analysis Batch: 799308

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bromide	20.0	19.0		mg/L		95	90 - 110
Chloride	20.0	19.5		mg/L		98	90 - 110
Fluoride	20.0	20.3		mg/L		102	90 - 110
Sulfate	20.0	21.1		mg/L		106	90 - 110

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 500-261422-15 MS
Matrix: Water
Analysis Batch: 799308

Client Sample ID: DUP-01-GW_20241210
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Bromide	1.0		10.0	10.4		mg/L		94	80 - 120
Fluoride	<0.43		10.0	9.78		mg/L		98	80 - 120
Sulfate	<0.47		10.0	10.3		mg/L		103	80 - 120

Lab Sample ID: 500-261422-15 MSD
Matrix: Water
Analysis Batch: 799308

Client Sample ID: DUP-01-GW_20241210
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Bromide	1.0		10.0	11.7		mg/L		107	80 - 120	12	20
Fluoride	<0.43		10.0	9.79		mg/L		98	80 - 120	0	20
Sulfate	<0.47		10.0	10.4		mg/L		104	80 - 120	1	20

Lab Sample ID: MB 500-799309/3
Matrix: Water
Analysis Batch: 799309

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	<0.37		1.0	0.37	mg/L			12/13/24 10:22	1
Nitrite as N	<0.25		1.0	0.25	mg/L			12/13/24 10:22	1
Nitrate Nitrite as N	<0.37		1.0	0.37	mg/L			12/13/24 10:22	1

Lab Sample ID: LCS 500-799309/4
Matrix: Water
Analysis Batch: 799309

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate as N	20.0	19.9		mg/L		99	90 - 110
Nitrite as N	20.0	19.9		mg/L		100	90 - 110
Nitrate Nitrite as N	40.0	39.8		mg/L		100	90 - 110

Lab Sample ID: 500-261422-15 MS
Matrix: Water
Analysis Batch: 799309

Client Sample ID: DUP-01-GW_20241210
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate as N	<0.37	H3	2.26	2.14		mg/L		95	80 - 120
Nitrite as N	<0.25	H3	3.03	3.12		mg/L		103	80 - 120
Nitrate Nitrite as N	<0.37	H3	5.29	5.26		mg/L		99	80 - 120

Lab Sample ID: 500-261422-15 MSD
Matrix: Water
Analysis Batch: 799309

Client Sample ID: DUP-01-GW_20241210
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrate as N	<0.37	H3	2.26	2.29		mg/L		101	80 - 120	7	20
Nitrite as N	<0.25	H3	3.03	3.54		mg/L		117	80 - 120	12	20
Nitrate Nitrite as N	<0.37	H3	5.29	5.83		mg/L		110	80 - 120	10	20

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: MB 500-800747/3
Matrix: Water
Analysis Batch: 800747

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.42		1.0	0.42	mg/L			12/27/24 11:30	1

Lab Sample ID: LCS 500-800747/4
Matrix: Water
Analysis Batch: 800747

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			20.0	19.9		mg/L		99	90 - 110		

Method: 335.4 - Cyanide, Total

Lab Sample ID: MB 500-799428/1-A
Matrix: Water
Analysis Batch: 799432

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 799428

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.0036		0.0050	0.0036	mg/L		12/15/24 09:23	12/15/24 11:05	1

Lab Sample ID: LCS 500-799428/2-A
Matrix: Water
Analysis Batch: 799432

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 799428

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Cyanide, Total			0.100	0.0984		mg/L		98	90 - 110		

Lab Sample ID: 500-261422-3 MS
Matrix: Water
Analysis Batch: 799432

Client Sample ID: FB-01-GW_20241210
Prep Type: Total/NA
Prep Batch: 799428

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Cyanide, Total	<0.0036	F1 F2	0.100	0.104		mg/L		104	90 - 110		

Lab Sample ID: 500-261422-3 MSD
Matrix: Water
Analysis Batch: 799432

Client Sample ID: FB-01-GW_20241210
Prep Type: Total/NA
Prep Batch: 799428

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Cyanide, Total	<0.0036	F1 F2	0.100	0.130	F1 F2	mg/L		130	90 - 110	22	20

Method: 350.1 - Nitrogen, Ammonia

Lab Sample ID: MB 500-800922/1-A
Matrix: Water
Analysis Batch: 800975

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 800922

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	<0.10		0.20	0.10	mg/L		12/27/24 14:02	12/28/24 11:48	1

Method: 350.1 - Nitrogen, Ammonia (Continued)

Lab Sample ID: MB 500-800922/1-A
Matrix: Water
Analysis Batch: 801667

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 800922

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	<0.10		0.20	0.10	mg/L		12/27/24 14:02	01/03/25 13:18	1

Lab Sample ID: LCS 500-800922/2-A
Matrix: Water
Analysis Batch: 800975

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 800922

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ammonia	2.00	1.88		mg/L		94	90 - 110

Lab Sample ID: LCS 500-800922/2-A
Matrix: Water
Analysis Batch: 801667

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 800922

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ammonia	2.00	1.85		mg/L		93	90 - 110

Lab Sample ID: MB 500-801391/1-A
Matrix: Water
Analysis Batch: 801667

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 801391

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	<0.10		0.20	0.10	mg/L		01/02/25 11:32	01/03/25 12:50	1

Lab Sample ID: LCS 500-801391/2-A
Matrix: Water
Analysis Batch: 801667

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 801391

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ammonia	2.00	1.93		mg/L		96	90 - 110

Lab Sample ID: 500-261422-7 MS
Matrix: Water
Analysis Batch: 801667

Client Sample ID: MW-3B_20241210
Prep Type: Total/NA
Prep Batch: 801391

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ammonia	<0.10		2.00	2.05		mg/L		103	90 - 110

Lab Sample ID: 500-261422-7 MSD
Matrix: Water
Analysis Batch: 801667

Client Sample ID: MW-3B_20241210
Prep Type: Total/NA
Prep Batch: 801391

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Ammonia	<0.10		2.00	1.83		mg/L		92	90 - 110	11	20

Method: 365.1 - Phosphorus, Total

Lab Sample ID: MB 500-799544/1-A
Matrix: Water
Analysis Batch: 800190

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 799544

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phosphorus as P	<0.024		0.050	0.024	mg/L		12/16/24 09:29	12/19/24 13:29	1

Lab Sample ID: LCS 500-799544/2-A
Matrix: Water
Analysis Batch: 800190

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 799544

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Phosphorus as P	1.00	0.902		mg/L		90	88 - 123

Method: SM 2320B - Alkalinity

Lab Sample ID: MB 500-799866/28
Matrix: Water
Analysis Batch: 799866

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	6.06		5.0	3.7	mg/L			12/17/24 19:55	1
Bicarbonate Alkalinity as CaCO3	6.06		5.0	3.7	mg/L			12/17/24 19:55	1
Carbonate Alkalinity as CaCO3	<3.7		5.0	3.7	mg/L			12/17/24 19:55	1

Lab Sample ID: LCS 500-799866/4
Matrix: Water
Analysis Batch: 799866

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Alkalinity	100	108		mg/L		108	95 - 121

Lab Sample ID: MB 500-800446/53
Matrix: Water
Analysis Batch: 800446

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	5.43		5.0	3.7	mg/L			12/20/24 17:14	1
Bicarbonate Alkalinity as CaCO3	5.43		5.0	3.7	mg/L			12/20/24 17:14	1
Carbonate Alkalinity as CaCO3	<3.7		5.0	3.7	mg/L			12/20/24 17:14	1

Lab Sample ID: LCS 500-800446/4
Matrix: Water
Analysis Batch: 800446

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Alkalinity	100	107		mg/L		107	95 - 121

Method: SM 2520B - Salinity

Lab Sample ID: 500-261422-11 DU
Matrix: Water
Analysis Batch: 801731

Client Sample ID: MW-2B_20241210
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Salinity	0.33		0.330		psu		0	

Method: SM 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 500-799457/1
Matrix: Water
Analysis Batch: 799457

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<4.3		10	4.3	mg/L			12/16/24 02:49	1

Lab Sample ID: LCS 500-799457/2
Matrix: Water
Analysis Batch: 799457

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	250	266		mg/L		106	80 - 120

Method: SM 2540D - Solids, Total Suspended (TSS)

Lab Sample ID: MB 500-799572/1
Matrix: Water
Analysis Batch: 799572

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	<1.9		5.0	1.9	mg/L			12/16/24 12:50	1

Lab Sample ID: LCS 500-799572/2
Matrix: Water
Analysis Batch: 799572

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Suspended Solids	200	186		mg/L		93	80 - 120

Lab Sample ID: MB 500-799617/1
Matrix: Water
Analysis Batch: 799617

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	<1.9		5.0	1.9	mg/L			12/16/24 15:43	1

Lab Sample ID: LCS 500-799617/2
Matrix: Water
Analysis Batch: 799617

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Suspended Solids	200	198		mg/L		99	80 - 120

Method: SM 4500 S2 F - Sulfide, Total

Lab Sample ID: MB 500-799901/1
Matrix: Water
Analysis Batch: 799901

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	<0.23		1.0	0.23	mg/L			12/17/24 23:02	1

Lab Sample ID: LCS 500-799901/2
Matrix: Water
Analysis Batch: 799901

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfide	3.76	3.78		mg/L		101	85 - 115

Method: SM 5310C - TOC

Lab Sample ID: MB 500-800212/11
Matrix: Water
Analysis Batch: 800212

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	<0.47		1.0	0.47	mg/L			12/18/24 19:24	1

Lab Sample ID: LCS 500-800212/12
Matrix: Water
Analysis Batch: 800212

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Organic Carbon	10.0	10.2		mg/L		102	86 - 116

Method: SM 5310C - Organic Carbon, Dissolved (DOC)

Lab Sample ID: MB 500-800995/7
Matrix: Water
Analysis Batch: 800995

Client Sample ID: Method Blank
Prep Type: Dissolved

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon	<0.47		1.0	0.47	mg/L			12/29/24 09:55	1

Lab Sample ID: LCS 500-800995/8
Matrix: Water
Analysis Batch: 800995

Client Sample ID: Lab Control Sample
Prep Type: Dissolved

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Dissolved Organic Carbon	10.0	10.1		mg/L		101	86 - 116

Lab Chronicle

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261422-1

Client Sample ID: SBW-01_20241210

Lab Sample ID: 500-261422-1

Date Collected: 12/10/24 14:30

Matrix: Water

Date Received: 12/13/24 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	1630			4137	JS	EET SSM	12/27/24 11:42
Dissolved	Analysis	1630		1	4177	COW	EET SSM	12/27/24 18:54
Total/NA	Prep	1630			4137	JS	EET SSM	12/27/24 11:42
Total/NA	Analysis	1630		1	4177	COW	EET SSM	12/27/24 18:44
Dissolved	Analysis	1631E		1	4226	CL	EET SSM	12/30/24 16:35
Total/NA	Analysis	1631E		1	4226	CL	EET SSM	12/30/24 16:31
Dissolved	Prep	1638			4297	CL	EET SSM	01/06/25 13:37
Dissolved	Analysis	1638		1	4338	V1R	EET SSM	01/07/25 16:51
Total Recoverable	Prep	1638			4297	CL	EET SSM	01/06/25 13:37
Total Recoverable	Analysis	1638		1	4338	V1R	EET SSM	01/07/25 16:44
Dissolved	Prep	3005A			800700	BDE	EET CHI	12/26/24 08:47 - 12/26/24 14:47 [1]
Dissolved	Analysis	6020B		1	801920	RN	EET CHI	01/06/25 14:53
Total Recoverable	Prep	3005A			800700	BDE	EET CHI	12/26/24 08:47 - 12/26/24 14:47 [1]
Total Recoverable	Analysis	6020B		1	801920	RN	EET CHI	01/06/25 14:33
Total Recoverable	Prep	3005A			800700	BDE	EET CHI	12/26/24 08:47 - 12/26/24 14:47 [1]
Total Recoverable	Analysis	SM 2340B		1	801940	DAJ	EET CHI	01/07/25 09:15
Total/NA	Analysis	300.0		1	799308	MM	EET CHI	12/13/24 14:02
Total/NA	Analysis	300.0		1	799309	MM	EET CHI	12/13/24 14:02
Total/NA	Prep	Distill/CN			799428	AC	EET CHI	12/15/24 09:23 - 12/15/24 09:53 [1]
Total/NA	Analysis	335.4		1	799432	AC	EET CHI	12/15/24 11:13
Total/NA	Prep	Distill/Ammonia			800922	KF	EET CHI	12/27/24 14:02 - 12/27/24 15:02 [1]
Total/NA	Analysis	350.1		1	801667	EB	EET CHI	01/03/25 13:18
Total/NA	Prep	365.2/365.3/365			799544	ST	EET CHI	12/16/24 09:29 - 12/16/24 13:29 [1]
Total/NA	Analysis	365.1		1	800190	KF	EET CHI	12/19/24 13:36
Total/NA	Analysis	SM 2320B		1	799866	SO	EET CHI	12/17/24 17:24
Total/NA	Analysis	SM 2520B		1	801731	TR	EET CHI	01/06/25 08:16
Total/NA	Analysis	SM 2540C		1	799457	CLB	EET CHI	12/16/24 03:17
Total/NA	Analysis	SM 2540D		1	799572	SO	EET CHI	12/16/24 13:02 - 12/16/24 13:04 [1]
Total/NA	Analysis	SM 4500 S2 F		1	799901	CLB	EET CHI	12/17/24 23:10 - 12/17/24 23:14 [1]
Dissolved	Analysis	SM 5310C		1	800995	TR	EET CHI	12/29/24 09:55
Total/NA	Analysis	SM 5310C		1	800212	TR	EET CHI	12/19/24 01:29

Client Sample ID: SBW-01_20241210_FBLL

Lab Sample ID: 500-261422-2

Date Collected: 12/10/24 14:30

Matrix: Water

Date Received: 12/13/24 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	1631E		1	4285	AJD	EET SSM	01/03/25 15:06

Lab Chronicle

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261422-1

Client Sample ID: FB-01-GW_20241210

Lab Sample ID: 500-261422-3
Matrix: Water
Date Collected: 12/10/24 17:00
Date Received: 12/13/24 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	1630			4137	JS	EET SSM	12/27/24 11:42
Total/NA	Analysis	1630		1	4177	COW	EET SSM	12/27/24 19:05
Total/NA	Analysis	1631E		1	4285	AJD	EET SSM	01/03/25 15:10
Total Recoverable	Prep	1638			4315	CL	EET SSM	01/07/25 12:01
Total Recoverable	Analysis	1638		1	4340	V1R	EET SSM	01/07/25 18:32
Total Recoverable	Prep	3005A			800700	BDE	EET CHI	12/26/24 08:47 - 12/26/24 14:47 [1]
Total Recoverable	Analysis	6020B		1	801920	RN	EET CHI	01/06/25 14:35
Total Recoverable	Prep	3005A			800700	BDE	EET CHI	12/26/24 08:47 - 12/26/24 14:47 [1]
Total Recoverable	Analysis	SM 2340B		1	801940	DAJ	EET CHI	01/07/25 09:15
Total/NA	Analysis	300.0		1	799308	MM	EET CHI	12/13/24 14:18
Total/NA	Analysis	300.0		1	799309	MM	EET CHI	12/13/24 14:18
Total/NA	Prep	Distill/CN			799428	AC	EET CHI	12/15/24 09:23 - 12/15/24 09:53 [1]
Total/NA	Analysis	335.4		1	799432	AC	EET CHI	12/15/24 11:15
Total/NA	Prep	Distill/Ammonia			800922	KF	EET CHI	12/27/24 14:02 - 12/27/24 15:02 [1]
Total/NA	Analysis	350.1		1	800975	KF	EET CHI	12/28/24 11:49
Total/NA	Prep	365.2/365.3/365			799544	ST	EET CHI	12/16/24 09:29 - 12/16/24 13:29 [1]
Total/NA	Analysis	365.1		1	800190	KF	EET CHI	12/19/24 13:37
Total/NA	Analysis	SM 2320B		1	800446	SO	EET CHI	12/20/24 11:14
Total/NA	Analysis	SM 2520B		1	801731	TR	EET CHI	01/06/25 08:16
Total/NA	Analysis	SM 2540C		1	799457	CLB	EET CHI	12/16/24 03:20
Total/NA	Analysis	SM 2540D		1	799572	SO	EET CHI	12/16/24 13:04 - 12/16/24 13:06 [1]
Total/NA	Analysis	SM 4500 S2 F		1	799901	CLB	EET CHI	12/17/24 23:14 - 12/17/24 23:18 [1]
Total/NA	Analysis	SM 5310C		1	800212	TR	EET CHI	12/19/24 01:57

Client Sample ID: FB-01-GW_20241210_FBLL

Lab Sample ID: 500-261422-4
Matrix: Water
Date Collected: 12/10/24 17:00
Date Received: 12/13/24 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	1631E		1	4285	AJD	EET SSM	01/03/25 15:15

Client Sample ID: MW-3A_20241210

Lab Sample ID: 500-261422-5
Matrix: Water
Date Collected: 12/10/24 15:40
Date Received: 12/13/24 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	1630			4137	JS	EET SSM	12/27/24 11:42
Dissolved	Analysis	1630		1	4177	COW	EET SSM	12/27/24 17:43
Total/NA	Prep	1630			4137	JS	EET SSM	12/27/24 11:42
Total/NA	Analysis	1630		1	4177	COW	EET SSM	12/27/24 19:15
Dissolved	Analysis	1631E		1	4285	AJD	EET SSM	01/03/25 15:23
Total/NA	Analysis	1631E		1	4285	AJD	EET SSM	01/03/25 15:19
Dissolved	Prep	1638			4297	CL	EET SSM	01/06/25 13:37
Dissolved	Analysis	1638		1	4338	V1R	EET SSM	01/07/25 16:54

Client Sample ID: MW-3A_20241210

Lab Sample ID: 500-261422-5

Date Collected: 12/10/24 15:40

Matrix: Water

Date Received: 12/13/24 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	1638			4297	CL	EET SSM	01/06/25 13:37
Total Recoverable	Analysis	1638		1	4338	V1R	EET SSM	01/07/25 16:47
Dissolved	Prep	3005A			800700	BDE	EET CHI	12/26/24 08:47 - 12/26/24 14:47 [1]
Dissolved	Analysis	6020B		1	801920	RN	EET CHI	01/06/25 14:55
Total Recoverable	Prep	3005A			800700	BDE	EET CHI	12/26/24 08:47 - 12/26/24 14:47 [1]
Total Recoverable	Analysis	6020B		1	801920	RN	EET CHI	01/06/25 14:38
Total Recoverable	Prep	3005A			800700	BDE	EET CHI	12/26/24 08:47 - 12/26/24 14:47 [1]
Total Recoverable	Analysis	SM 2340B		1	801940	DAJ	EET CHI	01/07/25 09:15
Total/NA	Analysis	300.0		1	799308	MM	EET CHI	12/13/24 14:33
Total/NA	Analysis	300.0		1	799309	MM	EET CHI	12/13/24 14:33
Total/NA	Analysis	300.0		20	800747	MB	EET CHI	12/27/24 15:55
Total/NA	Prep	Distill/CN			799428	AC	EET CHI	12/15/24 09:23 - 12/15/24 09:53 [1]
Total/NA	Analysis	335.4		1	799432	AC	EET CHI	12/15/24 11:20
Total/NA	Prep	Distill/Ammonia			800922	KF	EET CHI	12/27/24 14:02 - 12/27/24 15:02 [1]
Total/NA	Analysis	350.1		1	800975	KF	EET CHI	12/28/24 11:50
Total/NA	Prep	365.2/365.3/365			799544	ST	EET CHI	12/16/24 09:29 - 12/16/24 13:29 [1]
Total/NA	Analysis	365.1		1	800190	KF	EET CHI	12/19/24 13:37
Total/NA	Analysis	SM 2320B		1	799866	SO	EET CHI	12/17/24 17:36
Total/NA	Analysis	SM 2520B		1	801731	TR	EET CHI	01/06/25 08:16
Total/NA	Analysis	SM 2540C		1	799457	CLB	EET CHI	12/16/24 03:22
Total/NA	Analysis	SM 2540D		1	799572	SO	EET CHI	12/16/24 13:06 - 12/16/24 13:08 [1]
Total/NA	Analysis	SM 4500 S2 F		1	799901	CLB	EET CHI	12/17/24 23:18 - 12/17/24 23:22 [1]
Dissolved	Analysis	SM 5310C		1	800995	TR	EET CHI	12/29/24 09:55
Total/NA	Analysis	SM 5310C		1	800212	TR	EET CHI	12/19/24 02:25

Client Sample ID: MW-3A_20241210_FBLL

Lab Sample ID: 500-261422-6

Date Collected: 12/10/24 15:40

Matrix: Water

Date Received: 12/13/24 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	1631E		1	4285	AJD	EET SSM	01/03/25 15:27

Client Sample ID: MW-3B_20241210

Lab Sample ID: 500-261422-7

Date Collected: 12/10/24 17:00

Matrix: Water

Date Received: 12/13/24 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	1630			4137	JS	EET SSM	12/27/24 11:42
Dissolved	Analysis	1630		1	4177	COW	EET SSM	12/27/24 19:56
Total/NA	Prep	1630			4137	JS	EET SSM	12/27/24 11:42
Total/NA	Analysis	1630		1	4177	COW	EET SSM	12/27/24 19:46
Dissolved	Analysis	1631E		1	4285	AJD	EET SSM	01/03/25 15:35
Total/NA	Analysis	1631E		1	4285	AJD	EET SSM	01/03/25 15:31

Client Sample ID: MW-3B_20241210

Lab Sample ID: 500-261422-7

Date Collected: 12/10/24 17:00

Matrix: Water

Date Received: 12/13/24 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	1638			4315	CL	EET SSM	01/07/25 12:01
Dissolved	Analysis	1638		1	4340	V1R	EET SSM	01/07/25 19:00
Total Recoverable	Prep	1638			4297	CL	EET SSM	01/06/25 13:37
Total Recoverable	Analysis	1638		1	4338	V1R	EET SSM	01/07/25 16:57
Dissolved	Prep	3005A			800700	BDE	EET CHI	12/26/24 08:47 - 12/26/24 14:47 [1]
Dissolved	Analysis	6020B		1	801920	RN	EET CHI	01/06/25 15:03
Total Recoverable	Prep	3005A			800700	BDE	EET CHI	12/26/24 08:47 - 12/26/24 14:47 [1]
Total Recoverable	Analysis	6020B		1	801920	RN	EET CHI	01/06/25 14:40
Total Recoverable	Prep	3005A			800700	BDE	EET CHI	12/26/24 08:47 - 12/26/24 14:47 [1]
Total Recoverable	Analysis	SM 2340B		1	801940	DAJ	EET CHI	01/07/25 09:15
Total/NA	Analysis	300.0		1	799308	MM	EET CHI	12/13/24 14:49
Total/NA	Analysis	300.0		1	799309	MM	EET CHI	12/13/24 14:49
Total/NA	Analysis	300.0		10	800747	MB	EET CHI	12/27/24 16:11
Total/NA	Prep	Distill/CN			799428	AC	EET CHI	12/15/24 09:23 - 12/15/24 09:53 [1]
Total/NA	Analysis	335.4		1	799432	AC	EET CHI	12/15/24 11:29
Total/NA	Prep	Distill/Ammonia			801391	EB	EET CHI	01/02/25 11:32 - 01/02/25 12:32 [1]
Total/NA	Analysis	350.1		1	801667	EB	EET CHI	01/03/25 12:51
Total/NA	Prep	365.2/365.3/365			799544	ST	EET CHI	12/16/24 09:29 - 12/16/24 13:29 [1]
Total/NA	Analysis	365.1		1	800190	KF	EET CHI	12/19/24 13:38
Total/NA	Analysis	SM 2320B		1	799866	SO	EET CHI	12/17/24 17:48
Total/NA	Analysis	SM 2520B		1	801731	TR	EET CHI	01/06/25 08:16
Total/NA	Analysis	SM 2540C		1	799457	CLB	EET CHI	12/16/24 03:25
Total/NA	Analysis	SM 2540D		1	799617	SO	EET CHI	12/16/24 15:59 - 12/16/24 16:01 [1]
Total/NA	Analysis	SM 4500 S2 F		1	799901	CLB	EET CHI	12/17/24 23:22 - 12/17/24 23:26 [1]
Dissolved	Analysis	SM 5310C		1	800995	TR	EET CHI	12/29/24 09:55
Total/NA	Analysis	SM 5310C		1	800212	TR	EET CHI	12/19/24 02:53

Client Sample ID: MW-3B_20241210_FBLL

Lab Sample ID: 500-261422-8

Date Collected: 12/10/24 17:00

Matrix: Water

Date Received: 12/13/24 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	1631E		1	4285	AJD	EET SSM	01/03/25 15:40

Client Sample ID: MW-2A_20241210

Lab Sample ID: 500-261422-9

Date Collected: 12/10/24 09:50

Matrix: Water

Date Received: 12/13/24 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	1630			4137	JS	EET SSM	12/27/24 11:42
Dissolved	Analysis	1630		1	4177	COW	EET SSM	12/27/24 20:16
Total/NA	Prep	1630			4137	JS	EET SSM	12/27/24 11:42
Total/NA	Analysis	1630		1	4177	COW	EET SSM	12/27/24 20:06
Dissolved	Analysis	1631E		1	4285	AJD	EET SSM	01/03/25 15:56

Client Sample ID: MW-2A_20241210

Lab Sample ID: 500-261422-9

Date Collected: 12/10/24 09:50

Matrix: Water

Date Received: 12/13/24 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	1631E		1	4285	AJD	EET SSM	01/03/25 15:44
Dissolved	Prep	1638			4315	CL	EET SSM	01/07/25 12:01
Dissolved	Analysis	1638		1	4340	V1R	EET SSM	01/07/25 19:06
Total Recoverable	Prep	1638			4315	CL	EET SSM	01/07/25 12:01
Total Recoverable	Analysis	1638		1	4340	V1R	EET SSM	01/07/25 19:03
Dissolved	Prep	3005A			800700	BDE	EET CHI	12/26/24 08:47 - 12/26/24 14:47 [1]
Dissolved	Analysis	6020B		1	801920	RN	EET CHI	01/06/25 15:06
Total Recoverable	Prep	3005A			800700	BDE	EET CHI	12/26/24 08:47 - 12/26/24 14:47 [1]
Total Recoverable	Analysis	6020B		1	801920	RN	EET CHI	01/06/25 14:43
Total Recoverable	Prep	3005A			800700	BDE	EET CHI	12/26/24 08:47 - 12/26/24 14:47 [1]
Total Recoverable	Analysis	SM 2340B		1	801940	DAJ	EET CHI	01/07/25 09:15
Total/NA	Analysis	300.0		1	799308	MM	EET CHI	12/13/24 15:05
Total/NA	Analysis	300.0		1	799309	MM	EET CHI	12/13/24 15:05
Total/NA	Analysis	300.0		10	800747	MB	EET CHI	12/27/24 16:26
Total/NA	Prep	Distill/CN			799428	AC	EET CHI	12/15/24 09:23 - 12/15/24 09:53 [1]
Total/NA	Analysis	335.4		1	799432	AC	EET CHI	12/15/24 11:30
Total/NA	Prep	Distill/Ammonia			801391	EB	EET CHI	01/02/25 11:32 - 01/02/25 12:32 [1]
Total/NA	Analysis	350.1		1	801667	EB	EET CHI	01/03/25 12:52
Total/NA	Prep	365.2/365.3/365			799544	ST	EET CHI	12/16/24 09:29 - 12/16/24 13:29 [1]
Total/NA	Analysis	365.1		1	800190	KF	EET CHI	12/19/24 13:39
Total/NA	Analysis	SM 2320B		1	799866	SO	EET CHI	12/17/24 17:58
Total/NA	Analysis	SM 2520B		1	801731	TR	EET CHI	01/06/25 08:16
Total/NA	Analysis	SM 2540C		1	799457	CLB	EET CHI	12/16/24 03:27
Total/NA	Analysis	SM 2540D		1	799617	SO	EET CHI	12/16/24 16:01 - 12/16/24 16:03 [1]
Total/NA	Analysis	SM 4500 S2 F		1	799901	CLB	EET CHI	12/17/24 23:26 - 12/17/24 23:30 [1]
Dissolved	Analysis	SM 5310C		1	800995	TR	EET CHI	12/29/24 09:55
Total/NA	Analysis	SM 5310C		1	800212	TR	EET CHI	12/19/24 03:22

Client Sample ID: MW-2A_20241210_FBLL

Lab Sample ID: 500-261422-10

Date Collected: 12/10/24 09:50

Matrix: Water

Date Received: 12/13/24 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	1631E		1	4285	AJD	EET SSM	01/03/25 16:00

Client Sample ID: MW-2B_20241210

Lab Sample ID: 500-261422-11

Date Collected: 12/10/24 12:20

Matrix: Water

Date Received: 12/13/24 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	1630			4137	JS	EET SSM	12/27/24 11:42
Dissolved	Analysis	1630		1	4177	COW	EET SSM	12/27/24 20:37
Total/NA	Prep	1630			4137	JS	EET SSM	12/27/24 11:42
Total/NA	Analysis	1630		1	4177	COW	EET SSM	12/27/24 20:26

Client Sample ID: MW-2B_20241210

Lab Sample ID: 500-261422-11

Date Collected: 12/10/24 12:20

Matrix: Water

Date Received: 12/13/24 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Analysis	1631E		1	4285	AJD	EET SSM	01/03/25 16:09
Total/NA	Analysis	1631E		1	4285	AJD	EET SSM	01/03/25 16:04
Dissolved	Prep	1638			4315	CL	EET SSM	01/07/25 12:01
Dissolved	Analysis	1638		1	4340	V1R	EET SSM	01/07/25 19:13
Total Recoverable	Prep	1638			4315	CL	EET SSM	01/07/25 12:01
Total Recoverable	Analysis	1638		1	4340	V1R	EET SSM	01/07/25 19:10
Dissolved	Prep	3005A			800700	BDE	EET CHI	12/26/24 08:47 - 12/26/24 14:47 [1]
Dissolved	Analysis	6020B		1	801920	RN	EET CHI	01/06/25 15:08
Total Recoverable	Prep	3005A			800700	BDE	EET CHI	12/26/24 08:47 - 12/26/24 14:47 [1]
Total Recoverable	Analysis	6020B		1	801920	RN	EET CHI	01/06/25 14:45
Total Recoverable	Prep	3005A			800700	BDE	EET CHI	12/26/24 08:47 - 12/26/24 14:47 [1]
Total Recoverable	Analysis	SM 2340B		1	801940	DAJ	EET CHI	01/07/25 09:15
Total/NA	Analysis	300.0		1	799308	MM	EET CHI	12/13/24 15:20
Total/NA	Analysis	300.0		1	799309	MM	EET CHI	12/13/24 15:20
Total/NA	Analysis	300.0		5	800747	MB	EET CHI	12/27/24 16:42
Total/NA	Prep	Distill/CN			799428	AC	EET CHI	12/15/24 09:23 - 12/15/24 09:53 [1]
Total/NA	Analysis	335.4		1	799432	AC	EET CHI	12/15/24 11:32
Total/NA	Prep	Distill/Ammonia			801391	EB	EET CHI	01/02/25 11:32 - 01/02/25 12:32 [1]
Total/NA	Analysis	350.1		1	801667	EB	EET CHI	01/03/25 12:52
Total/NA	Prep	365.2/365.3/365			799544	ST	EET CHI	12/16/24 09:29 - 12/16/24 13:29 [1]
Total/NA	Analysis	365.1		1	800190	KF	EET CHI	12/19/24 13:39
Total/NA	Analysis	SM 2320B		1	799866	SO	EET CHI	12/17/24 18:08
Total/NA	Analysis	SM 2520B		1	801731	TR	EET CHI	01/06/25 08:16
Total/NA	Analysis	SM 2540C		1	799457	CLB	EET CHI	12/16/24 03:30
Total/NA	Analysis	SM 2540D		1	799617	SO	EET CHI	12/16/24 16:03 - 12/16/24 16:05 [1]
Total/NA	Analysis	SM 4500 S2 F		1	799901	CLB	EET CHI	12/17/24 23:30 - 12/17/24 23:34 [1]
Dissolved	Analysis	SM 5310C		1	800995	TR	EET CHI	12/29/24 09:55
Total/NA	Analysis	SM 5310C		1	800212	TR	EET CHI	12/19/24 03:50

Client Sample ID: MW-2B_20241210_FBLL

Lab Sample ID: 500-261422-12

Date Collected: 12/10/24 12:20

Matrix: Water

Date Received: 12/13/24 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	1631E		1	4285	AJD	EET SSM	01/03/25 16:13

Client Sample ID: SBD-01_20241210

Lab Sample ID: 500-261422-13

Date Collected: 12/10/24 13:00

Matrix: Water

Date Received: 12/13/24 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	1630			4137	JS	EET SSM	12/27/24 11:42
Dissolved	Analysis	1630		1	4177	COW	EET SSM	12/27/24 20:57

Client Sample ID: SBD-01_20241210

Lab Sample ID: 500-261422-13

Date Collected: 12/10/24 13:00

Matrix: Water

Date Received: 12/13/24 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	1630			4137	JS	EET SSM	12/27/24 11:42
Total/NA	Analysis	1630		1	4177	COW	EET SSM	12/27/24 20:47
Dissolved	Analysis	1631E		1	4285	AJD	EET SSM	01/03/25 16:21
Total/NA	Analysis	1631E		1	4285	AJD	EET SSM	01/03/25 16:17
Dissolved	Prep	1638			4315	CL	EET SSM	01/07/25 12:01
Dissolved	Analysis	1638		1	4340	V1R	EET SSM	01/07/25 19:20
Total Recoverable	Prep	1638			4315	CL	EET SSM	01/07/25 12:01
Total Recoverable	Analysis	1638		1	4340	V1R	EET SSM	01/07/25 19:17
Dissolved	Prep	3005A			800700	BDE	EET CHI	12/26/24 08:47 - 12/26/24 14:47 [1]
Dissolved	Analysis	6020B		1	801920	RN	EET CHI	01/06/25 15:11
Total Recoverable	Prep	3005A			800700	BDE	EET CHI	12/26/24 08:47 - 12/26/24 14:47 [1]
Total Recoverable	Analysis	6020B		1	801920	RN	EET CHI	01/06/25 14:48
Total Recoverable	Prep	3005A			800700	BDE	EET CHI	12/26/24 08:47 - 12/26/24 14:47 [1]
Total Recoverable	Analysis	SM 2340B		1	801940	DAJ	EET CHI	01/07/25 09:15
Total/NA	Analysis	300.0		1	799308	MM	EET CHI	12/13/24 15:36
Total/NA	Analysis	300.0		1	799309	MM	EET CHI	12/13/24 15:36
Total/NA	Prep	Distill/CN			799428	AC	EET CHI	12/15/24 09:23 - 12/15/24 09:53 [1]
Total/NA	Analysis	335.4		1	799432	AC	EET CHI	12/15/24 11:34
Total/NA	Prep	Distill/Ammonia			801391	EB	EET CHI	01/02/25 11:32 - 01/02/25 12:32 [1]
Total/NA	Analysis	350.1		1	801667	EB	EET CHI	01/03/25 12:53
Total/NA	Prep	365.2/365.3/365			799544	ST	EET CHI	12/16/24 09:29 - 12/16/24 13:29 [1]
Total/NA	Analysis	365.1		1	800190	KF	EET CHI	12/19/24 13:40
Total/NA	Analysis	SM 2320B		1	799866	SO	EET CHI	12/17/24 18:18
Total/NA	Analysis	SM 2520B		1	801731	TR	EET CHI	01/06/25 08:16
Total/NA	Analysis	SM 2540C		1	799457	CLB	EET CHI	12/16/24 03:32
Total/NA	Analysis	SM 2540D		1	799617	SO	EET CHI	12/16/24 16:05 - 12/16/24 16:07 [1]
Total/NA	Analysis	SM 4500 S2 F		1	799901	CLB	EET CHI	12/17/24 23:34 - 12/17/24 23:38 [1]
Dissolved	Analysis	SM 5310C		1	800995	TR	EET CHI	12/29/24 09:55
Total/NA	Analysis	SM 5310C		1	800212	TR	EET CHI	12/19/24 04:18

Client Sample ID: SBD-01_20241210_FBLL

Lab Sample ID: 500-261422-14

Date Collected: 12/10/24 13:00

Matrix: Water

Date Received: 12/13/24 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	1631E		1	4285	AJD	EET SSM	01/03/25 16:25

Client Sample ID: DUP-01-GW_20241210

Lab Sample ID: 500-261422-15

Date Collected: 12/10/24 23:59

Matrix: Water

Date Received: 12/13/24 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	1630			4137	JS	EET SSM	12/27/24 11:42
Dissolved	Analysis	1630		1	4177	COW	EET SSM	12/27/24 21:48

Lab Chronicle

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261422-1

Client Sample ID: DUP-01-GW_20241210

Lab Sample ID: 500-261422-15

Date Collected: 12/10/24 23:59
Matrix: Water
Date Received: 12/13/24 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	1630			4137	JS	EET SSM	12/27/24 11:42
Total/NA	Analysis	1630		1	4177	COW	EET SSM	12/27/24 21:18
Dissolved	Analysis	1631E		1	4226	CL	EET SSM	12/30/24 18:27
Total/NA	Analysis	1631E		1	4226	CL	EET SSM	12/30/24 18:23
Dissolved	Prep	1638			4315	CL	EET SSM	01/07/25 12:01
Dissolved	Analysis	1638		1	4340	V1R	EET SSM	01/07/25 19:27
Total Recoverable	Prep	1638			4315	CL	EET SSM	01/07/25 12:01
Total Recoverable	Analysis	1638		1	4340	V1R	EET SSM	01/07/25 19:24
Dissolved	Prep	3005A			800700	BDE	EET CHI	12/26/24 08:47 - 12/26/24 14:47 [1]
Dissolved	Analysis	6020B		1	801920	RN	EET CHI	01/06/25 15:13
Total Recoverable	Prep	3005A			800700	BDE	EET CHI	12/26/24 08:47 - 12/26/24 14:47 [1]
Total Recoverable	Analysis	6020B		1	801920	RN	EET CHI	01/06/25 14:50
Total Recoverable	Prep	3005A			800700	BDE	EET CHI	12/26/24 08:47 - 12/26/24 14:47 [1]
Total Recoverable	Analysis	SM 2340B		1	801940	DAJ	EET CHI	01/07/25 09:15
Total/NA	Analysis	300.0		1	799308	MM	EET CHI	12/13/24 15:52
Total/NA	Analysis	300.0		1	799309	MM	EET CHI	12/13/24 15:52
Total/NA	Analysis	300.0		10	800747	MB	EET CHI	12/27/24 16:58
Total/NA	Prep	Distill/CN			799428	AC	EET CHI	12/15/24 09:23 - 12/15/24 09:53 [1]
Total/NA	Analysis	335.4		1	799432	AC	EET CHI	12/15/24 11:35
Total/NA	Prep	Distill/Ammonia			801391	EB	EET CHI	01/02/25 11:32 - 01/02/25 12:32 [1]
Total/NA	Analysis	350.1		1	801667	EB	EET CHI	01/03/25 12:53
Total/NA	Prep	365.2/365.3/365			799544	ST	EET CHI	12/16/24 09:29 - 12/16/24 13:29 [1]
Total/NA	Analysis	365.1		1	800190	KF	EET CHI	12/19/24 13:40
Total/NA	Analysis	SM 2320B		1	799866	SO	EET CHI	12/17/24 18:26
Total/NA	Analysis	SM 2520B		1	801731	TR	EET CHI	01/06/25 08:16
Total/NA	Analysis	SM 2540C		1	799457	CLB	EET CHI	12/16/24 03:35
Total/NA	Analysis	SM 2540D		1	799617	SO	EET CHI	12/16/24 16:07 - 12/16/24 16:09 [1]
Total/NA	Analysis	SM 4500 S2 F		1	799901	CLB	EET CHI	12/17/24 23:38 - 12/17/24 23:42 [1]
Dissolved	Analysis	SM 5310C		1	800995	TR	EET CHI	12/29/24 09:55
Total/NA	Analysis	SM 5310C		1	800212	TR	EET CHI	12/19/24 04:46

Client Sample ID: DUP-01-GW_20241210_FBLL

Lab Sample ID: 500-261422-16

Date Collected: 12/10/24 23:59
Matrix: Water
Date Received: 12/13/24 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	1631E		1	4226	CL	EET SSM	12/30/24 16:39

[1] This procedure uses a method stipulated length of time for the process. Both start and end times are displayed.

Laboratory References:

EET CHI = Eurofins Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

EET SSM = Eurofins Seattle Specialty Metals, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

Accreditation/Certification Summary

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261422-1

Laboratory: Eurofins Chicago

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Georgia	State	N/A	05-31-25
Georgia (DW)	State	939	05-31-25
Hawaii	State	NA	05-31-25
Illinois	NELAP	100201	05-31-25
Indiana	State	C-IL-02	05-31-25
Iowa	State	082	05-01-26
Kansas	NELAP	E-10161	10-31-25
Kentucky (UST)	State	AI # 108083	05-31-25
Kentucky (WW)	State	KY90023	12-31-24 *
Louisiana (All)	NELAP	02046	06-30-25
Mississippi	State	NA	05-31-25
North Carolina (WW/SW)	State	291	12-31-25
North Dakota	State	R-194	04-29-24 *
Oklahoma	State	8908	08-31-24 *
South Carolina	State	77001003	05-31-25
USDA	US Federal Programs	P330-18-00018	03-30-26
Wisconsin	State	999580010	08-31-25
Wyoming	State	8TMS-Q	05-31-25

Laboratory: Eurofins Seattle Specialty Metals

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	20-004	02-19-25
ANAB	Dept. of Defense ELAP	L2236	01-19-25
ANAB	ISO/IEC 17025	L2236	01-19-25
California	State	2954	07-07-25
Florida	NELAP	E87575	06-30-25
Louisiana (All)	NELAP	03073	06-30-25
Maine	State	WA01273	05-02-26
New Jersey	NELAP	WA014	06-30-25
New York	NELAP	11662	04-01-25
Oregon	NELAP	4167-008	07-07-25
US Fish & Wildlife	US Federal Programs	A20571	06-30-25
USDA	US Federal Programs	525-23-4-22573	01-04-26
Washington	State	C788-23a	07-13-25
Wisconsin	State	399133460	07-31-25

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

ırofins Chicago
2417 Bond Street
University Park, IL 60484
Phone (708) 534-5200 Phone (708) 534-5211

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Ellen Coppernoll	Lab PM: Fredrick Sandie	Carrier Tracking No(s): 9221 9522 2281	COC No: 500-130281-50241 40
Client Contact: Amanda Zeidler	Phone: 517-513-2249	E-Mail: Sandra Fredrick@et.eurofinsus com	State of Origin: Michigan	Page: Page 1 of 1
Company: White Pine Copper LLC	PWSID:			Job #: 500-261422
Address: 35362 Mall Circle Drive	Due Date Requested:			
City: White Pine	TAT Requested (days): 10 days			
State, Zip: MI 49971	Compliance Project: Δ Yes Δ No			
Phone: 906-204-6500	PO #: Purchase Order not required			
Email: AZeidler@whitepinecu com	WO #:			
Project Name: White Pines, MI	Project #: 50023455			
Site: White Pine North Baseline Sampling	SSOW#:			

Analysis Requested

Preservation Codes
S - H2SO4
N None
CB ZnAcetate/NaOH
B NaOH
D HNO3
A - HCL

500-261422 COC

Other:

	Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	350.1 Ammonia, 365.1 Phos	2320B, 2540C, 2540D, 300 0_28D, 300_49HR, SM2520_B	SM4500_S2_F - Sulfide, Total	335.4 - Cyanide, Total	SM5310_DOC_C - Organic Carbon, Dissolved (DOC) - tripli	6020B, SM2340B Total Metals / Hardness	1638 - Uranium only (ICP/MS)	1631E - Mercury, Low Level (CVAFS)	1630_ME - Methyl Mercury	6020B - Dissolved Metals (ICP/MS) - 27 elements	1638 - Dissolved Uranium only (ICP/MS) (field f	1631E - Dissolved Mercury, Low Level (CVAFS) (fi	1630_ME - Dissolved Methyl Mercury (field filtered)	5310C - TOC	Total Number of containers	Special Instructions/Note:
				Preservation Code:				S	N	CB	B	S	D	D	N	A	D	D	N	A	S		
1	SBW-01_20241210	12-10-24	14:30	G	Water			X	X	X	X	X	X	X	X	X	X	X	X	X	X	22	
2	SBW-01_20241210_FBLL	12-10-24	14:30	G	Water										X							2	
3	FB-01-GW_20241210	12-10-24	17:00	G	Water			X	X	X	X		X	X	X	X					X	14	
	FB-01-GW_20241210	12-10-24	17:00	G	Water										X							2	
4	FB-01-GW_20241210_FBLL	12-10-24	17:00	G	Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested I, II, III, IV, Other (specify)

Special Instructions/QC Requirements MDLs must meet Michigan requirements

Empty Kit Relinquished by:	Date	Time	Method of Shipment: FedEx Priority overnight

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1		12-10-24 17:30	MSG		12-10-24 17:30	MSG
2		12-11-24 08:00	MSG	FedEx 9221 9522 2281		
3				Stephanie Hernandez	12/13/24 0920	EELA

Custody Seals Intact: Δ Yes Δ No | Custody Seal No

Cooler Temperature(s) °C and Other Remarks: -1.5+1.8, 1.9+1.6, 0.8+0.5, 4.6+4.5

Eurofins Chicago
2417 Bond Street
University Park, IL 60484
Phone (708) 534-5200 Phone (708) 534-5211

Chain of Custody Record

eurofins

Client Information	Sampler: Jacob Dean	Lab PM: Fredrick, Sandie	Carrier Tracking No(s): 4221 9522 2903	COC No: 500-130281-50241 2
Client Contact: Amanda Zeidler	Phone: 906-487-7454	E-Mail: Sandra Fredrick@et.eurofinsus com	State of Origin: Michigan	Page: Page 1 of 1
Company: White Pine Copper LLC	PWSID:			Job #: 500-261422

Address: 35362 Mall Circle Drive	Due Date Requested:	
City: White Pine	TAT Requested (days): 10 days	
State Zip: MI 49971	Compliance Project: Δ Yes Δ No	
Phone: 906-204-6500	PO #: Purchase Order not required	
Email: AZeidler@whitepinecu com	WO #:	
Project Name: White Pines, MI	Project #: 50023455	
Site: White Pine North Baseline Sampling	SSOW#:	

Analysis Requested

Preservation Codes
S H2SO4
N None
CB ZnAcetate/NaOH
B NaOH
D HNO3
A HCL
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	350.1 Ammonia, 365.1 Phos	2320B, 2540C, 2540D, 300.0_28D, 300_48HR, SM2520_B	SM4500_S2_F - Sulfide, Total	335.4 - Cyanide, Total	SM5310_DOC_C - Organic Carbon, Dissolved (DOC) - tripli	6020B, SM2340B Total Metals / Hardness	1638 - Uranium only (ICP/MS)	1631E - Mercury, Low Level (CVAFS)	1630_ME - Methyl Mercury	6020B - Dissolved Metals (ICP/MS) - 27 elements	1638 - Dissolved Uranium only (ICP/MS) (field f	1631E - Dissolved Mercury, Low Level (CVAFS) (fi	1630_ME - Dissolved Methyl Mercury (field filtered)	5310C - TOC	Total Number of containers	Special Instructions/Note.
			Preservation Code:				S	N	CB	B	S	D	D	N	A	D	D	N	A	S		
5 MW-3A_20241210	12-10-24	15:40	G	Water			X	X	X	X	X	X	X	X	X	X	X	X	X	X	22	
6 MW-3A_20241210_FBLL	12-10-24	15:40	G	Water										X							2	
7 MW-3B_20241210	12-10-24	17:00	G	Water			X	X	X	X	X	X	X	X	X	X	X	X	X	X	22	
8 MW-3B_20241210_FBLL	12-10-24	17:00	G	Water										X							2	
				Water																		
				Water																		
				Water																		
				Water																		
				Water																		
				Water																		
				Water																		

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested I, II, III IV Other (specify)

Special Instructions/QC Requirements MDLs must meet Michigan requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment: FedEx Priority Overnight

	Date/Time	Company	Received by	Date/Time	Company
Relinquished by:	12-10-24 18:30	MSG		12-10-24 18:30	MSG
Relinquished by:	12-11-24 08:00	MSG	FedEx 4221 9522 2903		
Relinquished by:			Stephanie Hernandez	12/13/24 0920	EETA

Custody Seals Intact. Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks.

Eurofins Chicago
2417 Bond Street
University Park, IL 60484
Phone (708) 534-5200 Phone (708) 534-5211

Chain of Custody Record

eurofins | v o r n m e n t s t r

Client Information	Sampler: Jacob Dean	Lab PM: Fredrick, Sandie	Carrier Tracking No(s): 4221 9522 2877	COC No: 500-130281-50241 19
Client Contact: Amanda Zeidler	Phone: 906-487-7454	E-Mail: Sandra Fredrick@et.eurofinsus com	State of Origin: Michigan	Page: Page 1 of 1
Company: White Pine Copper LLC	PWSID:			Job #: 500-261422

Address: 35362 Mall Circle Drive	Due Date Requested	Analysis Requested
City: White Pine	TAT Requested (days): 10 days	
State Zip: MI 49971	Compliance Project: Δ Yes Δ No	
Phone: 906-204-6500	PO #: Purchase Order not required	
Email: AZeidler@whitepinecu com	WO #:	
Project Name: White Pines MI	Project #: 50023455	
Site: White Pine North Baseline Sampling	SSOW#:	

Preservation Codes
S H2SO4
N None
CB ZnAcetate/NaOH
B NaOH
D HNO3
A HCL
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	350.1 Ammonia, 365.1 Phos	2320B, 2540C, 2540D, 300.0_28D, 300_48HR, SM2520_B	SM4500_S2_F - Sulfide, Total	335.4 - Cyanide, Total	SM5310_DOC_C - Organic Carbon, Dissolved (DOC) - tripli	6020B, SM2340B Total Metals / Hardness	1638 - Uranium only (ICP/MS)	1631E - Mercury, Low Level (CVAFS)	1630_ME - Methyl Mercury	6020B - Dissolved Metals (ICP/MS) - 27 elements	1638 - Dissolved Uranium only (ICP/MS) (field f	1631E - Dissolved Mercury, Low Level (CVAFS) (fi	1630_ME - Dissolved Methyl Mercury (field filtered)	5310C - TOC	Total Number of containers	Special Instructions/Note:
			Preservation Code:				S	N	CB	B	S	D	D	N	A	D	D	N	A	S		
9 MW-2A_20241210	12.10.24	9:50	G	Water			X	X	X	X	X	X	X	X	X	X	X	X	X	X	22	
10 MW-2A_20241210_FBLL	12.10.24	9:50	G	Water										X							2	
11 MW-2B_20241210	12-10-24	12:20	G	Water			X	X	X	X	X	X	X	X	X	X	X	X	X	X	22	
12 MW-2B_20241210_FBLL	12-10-24	12:20	G	Water										X							2	
				Water																		
				Water																		
				Water																		
				Water																		
				Water																		
				Water																		
				Water																		
				Water																		

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested I II III IV Other (specify)

Special Instructions/QC Requirements MDLs must meet Michigan requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment: FedEx Priority Overnight

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1	Jacob Dean	12-10-24 18:30	MSG		12-10-24 18:30	MSG
2		12-11-24 08:00	MSG	FedEx 4221 9522 2877		
3				Stephanie Hernandez	12/13/24 0920	EEA

Custody Seals Intact: Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks.

Eurofins Chicago
2417 Bond Street
University Park IL 60484
Phone (708) 534-5200 Phone (708) 534-5211

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Ellen Coppernoll	Lab PM: Fredrick Sandie	Carrier Tracking No(s): 9221 9522 2292	COC No: 500-130281-50241 11
Client Contact: Amanda Zeidler	Phone: 517-513-2249	E-Mail: Sandra Fredrick@et.eurofinsus com	State of Origin: Michigan	Page: Page 1 of 1
Company: White Pine Copper LLC	PWSID:			Job #: 500-261422
Address: 35362 Mall Circle Drive	Due Date Requested:			
City: White Pine	TAT Requested (days): 10 days			
State, Zip: MI 49971	Compliance Project: Δ Yes Δ No			
Phone: 906-204-6500	PO #: Purchase Order not required			
Email: AZeidler@whitepinecu com	WO #:			
Project Name: White Pines MI	Project #: 50023455			
Site: White Pine North Baseline Sampling	SSOW#:			

Analysis Requested

Preservation Codes
S H2SO4
N None
CB ZnAcetate/NaOH
B NaOH
D HNO3
A HCL
Other:

	Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	350.1 Ammonia, 365.1 Phos	2320B, 2540C, 2540D, 300.0_28D, 300_48HR, SM2520_B	SM4500_S2_F - Sulfide, Total	335.4 - Cyanide, Total	SM5310_DOC_C - Organic Carbon, Dissolved (DOC) - tripli	6020B, SM2340B Total Metals / Hardness	1638 - Uranium only (ICP/MS)	1631E - Mercury, Low Level (CVAFS)	1630_ME - Methyl Mercury	6020B - Dissolved Metals (ICP/MS) - 27 elements	1638 - Dissolved Uranium only (ICP/MS) (field f	1631E - Dissolved Mercury, Low Level (CVAFS) (fi	1630_ME - Dissolved Methyl Mercury (field filtered)	5310C - TOC	Total Number of containers	Special Instructions/Note
				Preservation Code:				S	N	CB	B	S	D	D	N	A	D	D	N	A	S		
13	SBD-01_20241210	12-10-24	13:00	G	Water			X	X	X	X	X	X	X	X	X	X	X	X	X	X	22	
14	SBD-01_20241210_FBLL	12-10-24	13:00	G	Water										X							2	
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested I, II, III IV, Other (specify)

Special Instructions/QC Requirements. MDLs must meet Michigan requirements.

Empty Kit Relinquished by	Date	Time	Method of Shipment: Fed Ex Priority Overnight

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1		12-10-24 17:00	MSG		12-10-24 17:00	MSG
2		12-11-24 08:00	MSG	Fed Ex 4221 9522 2292		
3				Stephanie Hernandez	12/13/24 0920	EEN

Custody Seals Intact: Δ Yes Δ No | Custody Seal No

Cooler Temperature(s) °C and Other Remarks.

Eurofins Chicago
2417 Bond Street
University Park, IL 60484
Phone (708) 534-5200 Phone (708) 534-5211

Chain of Custody Record

eurofins | environment testing

Client Information	Sampler: Jacob Dean	Lab PM: Fredrick, Sandie	Carrier Tracking No(s): 4221 9522 2292	COC No: 500-130281-50241 24
Client Contact: Amanda Zeidler	Phone: 906-487-7454	E-Mail: Sandra Fredrick@et eurofinsus com	State of Origin: Michigan	Page: Page 1 of 1
Company: White Pine Copper LLC	PWSID:			Job #: 500-201422
Address: 35362 Mall Circle Drive	Due Date Requested:			
City: White Pine	TAT Requested (days): 10 days			
State, Zip: MI 49971	Compliance Project: Δ Yes Δ No			
Phone: 906-204-6500	PO #: Purchase Order not required			
Email: AZeidler@whitepinecu com	WO #:			
Project Name: White Pines, MI	Project #: 50023455			
Site: White Pine North Baseline Sampling	SSOW#:			

Analysis Requested

Preservation Codes
S H2SO4
N None
CB ZnAcetate/NaOH
B NaOH
D HNO3
A HCL
Other:

	Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	350.1 Ammonia, 365.1 Phos	2320B, 2540C, 2540D, 300.0_28D, 300_48HR, SM2520_B	SM4500_S2_F - Sulfide, Total	335.4 - Cyanide, Total	SM5310_DOC_C - Organic Carbon, Dissolved (DOC) - tripli	6020B, SM2340B Total Metals / Hardness	1638 - Uranium only (ICP/MS)	1631E - Mercury, Low Level (CVAFS)	1630_ME - Methyl Mercury	6020B - Dissolved Metals (ICP/MS) - 27 elements	1638 - Dissolved Uranium only (ICP/MS) (field f	1631E - Dissolved Mercury, Low Level (CVAFS) (fi	1630_ME - Dissolved Methyl Mercury (field filtered)	5310C - TOC	Total Number of containers	Special Instructions/Note:
				Preservation Code:				S	N	CB	B	S	D	D	N	A	D	D	N	A	S		
15	DUP-01-GW_20241210	12-10-24	—	G	Water			X	X	X	X	X	X	X	X	X	X	X	X	X	X	22	
16	DUP-01-GW_20241210_FBLL	12-10-24	—	G	Water										X							2	
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested I, II, III IV Other (specify)

Special Instructions/QC Requirements MDLs must meet Michigan requirements

Empty Kit Relinquished by:	Date	Time	Method of Shipment: FedEx Priority overnight

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1	Jacob Dean	12-10-24 18:30	MSG	[illegible]	12-10-24 18:30	MSG
2	[illegible]	12-11-24 0800	MSG	FedEx 4221 9522 2292		
3				Stephanie Hernandez	12/13/24 0920	EEN

Custody Seals Intact: Δ Yes Δ No | Custody Seal No

Cooler Temperature(s) °C and Other Remarks.

JED CHRESTENSEN
THE MANNIK & SMITH GROUP
616 SHELDEN AVE
SUITE 210
HOUGHTON, MI 49931
UNITED STATES US

ACTWGT: 25.00 LB MAN
CAD: 0780307/CAFE3855

TO SAMPLE RECEIPT
EUROFINS CHICAGO
2417 BOND ST.

UNIVERSITY PARK IL 60484

(708) 534-5200 REF
INV:
PO DEPT

RMA

FedEx Express

FedEx
TRK# 0221 4221 9522 2903

RETURNS MON-SAT
THU - 12 DEC AA
PRIORITY OVERNIGHT

XP JOTA

60484
IL-US
ORD

JED CHRESTENSEN
THE MANNIK & SMITH GROUP
616 SHELDEN AVE
SUITE 210
HOUGHTON, MI 49931
UNITED STATES US

TO SAMPLE RECEIPT
EUROFINS CHICAGO
2417 BOND ST.

UNIVERSITY PARK IL 60484

(708) 534-5200 REF
INV:
PO: DEPT

RMA

FedEx Express

FedEx
TRK# 0221 4221 9522 2281

RETURNS MON-SAT
THU - 12 DEC AA
PRIORITY OVERNIGHT

XP JOTA

60484
IL-US
ORD

500-261422 Waybi


616 SHELDEN AVE
SUITE 210
HOUGHTON, MI 49931
UNITED STATES US
CAD 0780307/CAFE3855
TO SAMPLE RECEIPT
EUROFINS CHICAGO
2417 BOND ST.
UNIVERSITY PARK IL 60484
(708) 534-5200
INV
PO
REF
DEPT
RMA
FedEx Express
FedEx
TRK# 0221 4221 9522 2877
THU - 12 DEC AA
PRIORITY OVERNIGHT
XP JOTA
60484
IL-US
ORD
5025547
2024 CNXA 581G4/E
A


THE MANNIK & SMITH GROUP
616 SHELDEN AVE
SUITE 210
HOUGHTON, MI 49931
UNITED STATES US
TO SAMPLE RECEIPT
EUROFINS CHICAGO
2417 BOND ST.
UNIVERSITY PARK IL 60484
(708) 534-5200
INV:
PO:
REF
DEPT
RMA
FedEx Express
FedEx
TRK# 0221 4221 9522 2292
THU - 12 DEC AA
PRIORITY OVERNIGHT
XP JOTA
60484
IL-US
ORD

Eurofins Chicago
2417 Bond Street
University Park, IL 60484
Phone: 708-534-5200 Fax: 708-534-5211

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Fredrick, Sandie	Carrier Tracking No(s): N/A	COC No: 500-196237.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Sandra.Fredrick@et.eurofinsus.com	State of Origin: Michigan	Page: Page 1 of 2
Company: Eurofins Environment Testing Northwest,		Accreditations Required (See note): N/A		
Address: 5755 8th Street East, ,	Due Date Requested: 1/7/2025			
City: Tacoma	TAT Requested (days): N/A			
State, Zip: WA, 98424				
Phone: 253-922-2310(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: White Pines, MI	Project #: 50023455			
Site: N/A	SSOW#: N/A			

Analysis

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	1638/1638_Prep_W Uranium only (ICP/MS)	1631E/ Mercury, Low Level (CVAFS)	1630_ME/1630_Dist_PFP Methyl Mercury	1638/FIELD_FLTRD Dissolved Uranium only (ICP/MS) (field f	1631E/FIELD_FLTRD Dissolved Mercury, Low Level (CVAFS) (fi	1630_ME/FIELD_FLTRD Dissolved Methyl Mercury (field filtered	Total Number o	Special
Preservation Code:														
SBW-01_20241210 (500-261422-1)	12/10/24	14:30 Eastern	G	Water			X	X	X	X	X	X	8	
SBW-01_20241210_FBLL (500-261422-2)	12/10/24	14:30 Eastern	G	Water				X					2	
FB-01-GW_20241210 (500-261422-3)	12/10/24	17:00 Eastern	G	Water			X	X	X				4	
FB-01-GW_20241210_FBLL (500-261422-4)	12/10/24	17:00 Eastern	G	Water				X					2	
MW-3A_20241210 (500-261422-5)	12/10/24	15:40 Eastern	G	Water			X	X	X	X	X	X	8	
MW-3A_20241210_FBLL (500-261422-6)	12/10/24	15:40 Eastern	G	Water				X					2	
MW-3B_20241210 (500-261422-7)	12/10/24	17:00 Eastern	G	Water			X	X	X	X	X	X	8	
MW-3B_20241210_FBLL (500-261422-8)	12/10/24	17:00 Eastern	G	Water				X					2	
MW-2A_20241210 (500-261422-9)	12/10/24	09:50 Eastern	G	Water			X	X	X	X	X	X	8	

Therm. ID: SC01 Cust. Seal: (Y) / N
Uncorr./Corr. Temp: 0.1/1.1 °C
Delivery: UPS / FedEx / Other:
Ice Type: Blue / Dry / Wet / None
Label Ver.: _____ Packing: B

Therm. ID: SC01 Cust. Seal: (Y) / N
Uncorr./Corr. Temp: -0.3/-1.3 °C
Delivery: UPS / FedEx / Other:
Ice Type: Blue / Dry / Wet / None
Label Ver.: _____ Packing: B

Note: Since laboratory accreditations are subject to change, Eurofins Chicago places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Chicago laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Chicago attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Chicago.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Shannon Scott	12/13/24 1600			12-14-24 930	ETN
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 10/10/2024

1/8/2025

Eurofins Chicago
2417 Bond Street
University Park, IL 60484
Phone: 708-534-5200 Fax: 708-534-5211

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Fredrick, Sandie	Carrier Tracking No(s): N/A	COC No: 500-196237.2
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Sandra.Fredrick@et.eurofinsus.com	State of Origin: Michigan	Page: Page 2 of 2
Company: Eurofins Environment Testing Northwest,		Accreditations Required (See note): N/A		Job #: 500-261422-1
Address: 5755 8th Street East, ,	Due Date Requested: 1/7/2025			Preservation Codes: -
City: Tacoma	TAT Requested (days): N/A			
State, Zip: WA, 98424				
Phone: 253-922-2310(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: White Pines, MI	Project #: 50023455			
Site: N/A	SSOW#: N/A			Other: N/A

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	1638/1638_Prep_W Uranium only (ICP/MS)	1631E/ Mercury, Low Level (CVAFS)	1630_ME/1630_Dist_PFP Methyl Mercury	1638/FIELD_FLTRD Dissolved Uranium only (ICP/MS) (field f	1631E/FIELD_FLTRD Dissolved Mercury, Low Level (CVAFS) (fi	1630_ME/FIELD_FLTRD Dissolved Methyl Mercury (field filtered	Total Number of containers	Special
			Preservation Code:											
MW-2A_20241210_FBLL (500-261422-10)	12/10/24	09:50 Eastern	G	Water				X					2	
MW-2B_20241210 (500-261422-11)	12/10/24	12:20 Eastern	G	Water			X	X	X	X	X	X	8	
MW-2B_20241210_FBLL (500-261422-12)	12/10/24	12:20 Eastern	G	Water				X					2	
SBD-01_20241210 (500-261422-13)	12/10/24	13:00 Eastern	G	Water			X	X	X	X	X	X	8	
SBD-01_20241210_FBLL (500-261422-14)	12/10/24	13:00 Eastern	G	Water				X					2	
DUP-01-GW_20241210 (500-261422-15)	12/10/24	23:59 Eastern	G	Water			X	X	X	X	X	X	8	
DUP-01-GW_20241210_FBLL (500-261422-16)	12/10/24	23:59 Eastern	G	Water				X					2	

Therm. ID: 11 Cor: 0.9 °C Tmp: 1.9 °C
Cooler Dsc: Sub Packing: bubble FedEx: FAB UPS: Lab Courier: Other:
Cust. Seal: Yes No Blue Ice, (Dry) Dry, None

Note: Since laboratory accreditations are subject to change, Eurofins Chicago places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Chicago laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Chicago attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Chicago.

Possible Hazard Identification *Unconfirmed*	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*** ☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by: [signature]	Date/Time: 12/13/24 1600	Company	Received by: [signature]	Date/Time: 12-14-24 930	Company EET-n
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 10/10/2024

Eurofins Chicago
2417 Bond Street
University Park, IL 60484
Phone: 708-534-5200 Fax: 708-534-5211

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Fredrick, Sandie	Carrier Tracking No(s): N/A	COC No: 500-196237.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Sandra.Fredrick@et.eurofinsus.com	State of Origin: Michigan	Page:
Company: Eurofins Environment Testing Northwest,		Accreditations Required (See note): N/A		
Address: 5755 8th Street East, ,	Due Date Requested: 1/7/2025			
City: Tacoma	TAT Requested (days): N/A			
State, Zip: WA, 98424				
Phone: 253-922-2310(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: White Pines, MI	Project #: 50023455			
Site: N/A	SSOW#: N/A			

Analysis

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	1638/1638_Prep_W Uranium only (ICP/MS)	1631E/ Mercury, Low Level (CVAFS)	1630_ME/1630_Dist_PFP Methyl Mercury	1638/FIELD_FLTRD Dissolved Uranium only (ICP/MS) (field f	1631E/FIELD_FLTRD Dissolved Mercury, Low Level (CVAFS) (fi	1630_ME/FIELD_FLTRD Dissolved Methyl Mercury (field filtered	Total Number o	Special
Preservation Code:														
SBW-01_20241210 (500-261422-1)	12/10/24	14:30 Eastern	G	Water			X	X	X	X	X	X	8	
SBW-01_20241210_FBLL (500-261422-2)	12/10/24	14:30 Eastern	G	Water				X					2	
FB-01-GW_20241210 (500-261422-3)	12/10/24	17:00 Eastern	G	Water			X	X	X				4	
FB-01-GW_20241210_FBLL (500-261422-4)	12/10/24	17:00 Eastern	G	Water				X					2	
MW-3A_20241210 (500-261422-5)	12/10/24	15:40 Eastern	G	Water			X	X	X	X	X	X	8	
MW-3A_20241210_FBLL (500-261422-6)	12/10/24	15:40 Eastern	G	Water				X					2	
MW-3B_20241210 (500-261422-7)	12/10/24	17:00 Eastern	G	Water			X	X	X	X	X	X	8	
MW-3B_20241210_FBLL (500-261422-8)	12/10/24	17:00 Eastern	G	Water				X					2	
MW-2A_20241210 (500-261422-9)	12/10/24	09:50 Eastern	G	Water			X	X	X	X	X	X	8	

Therm. ID: SC01 Cust. Seal: (Y) / N
Uncorr./Corr. Temp: 0.1/1.1 °C
Delivery: UPS / FedEx / Other:
Ice Type: Blue / Dry / Wet / None
Label Ver.: _____ Packing: B

Therm. ID: SC01 Cust. Seal: (Y) / N
Uncorr./Corr. Temp: -0.3/-1.3 °C
Delivery: UPS / FedEx / Other:
Ice Type: Blue / Dry / Wet / None
Label Ver.: _____ Packing: B

Therm. ID: 11 Cust. Seal: Yes No
Cooler Dsc: SB Blue Ice, Dry, None
Packing: bub Other:
Lab Coun:
FedEx:
UPS:

Note: Since laboratory accreditations are subject to change, Eurofins Chicago places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Chicago laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Chicago attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Chicago.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Rhiannon Scott	12/13/24 1600			12-14-24 930	ebm
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 10/10/2024

1/8/2025

Eurofins Chicago
2417 Bond Street
University Park, IL 60484
Phone: 708-534-5200 Fax: 708-534-5211

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Fredrick, Sandie	Carrier Tracking No(s): N/A	COC No: 500-196238.2
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Sandra.Fredrick@et.eurofinsus.com	State of Origin: Michigan	Page: Page 2 of 2
Company: Eurofins Environment Testing Northwest,		Accreditations Required (See note): N/A		Job #: 500-261545-1
Address: 5755 8th Street East, ,	Due Date Requested: 1/7/2025			Preservation Codes: -
City: Tacoma	TAT Requested (days): N/A			
State, Zip: WA, 98424				
Phone: 253-922-2310(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: White Pines, MI	Project #: 50023455			
Site: N/A	SSOW#: N/A			Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	1638/1638_Prep_W Uranium only (ICP/MS)	1631E/ Mercury, Low Level (CVAFS)	1630_ME/1630_Dist_PFP Methyl Mercury	1638/FIELD_FLTRD Dissolved Uranium only (ICP/MS) (field f	1631E/FIELD_FLTRD Dissolved Mercury, Low Level (CVAFS) (fi	1630_ME/FIELD_FLTRD Dissolved Methyl Mercury (field filtered	Total Number of containers
			Preservation Code:										
BNW-01_20241211_FBLL (500-261545-10)	12/11/24	15:45 Eastern	G	Water				X					2
TBS-01_20241211 (500-261545-11)	12/11/24	10:20 Eastern	G	Water			X	X	X	X	X	X	8
TBS-01_20241211_FBLL (500-261545-12)	12/11/24	10:20 Eastern	G	Water				X					2
BNC-01_20241211 (500-261545-13)	12/11/24	12:35 Eastern	G	Water			X	X	X	X	X	X	8
BNC-01_20241210_FBLL (500-261545-14)	12/11/24	12:35 Eastern	G	Water				X					2

Special Instructions/Note:

Therm. ID: 11 Cor: 0.2 Temp: 1.9 °
Cooler Dsc: SS FedEx: FAD
Packing: Bub UPS:
Cust. Seal: Yes No Lab Courr:
Blue Ice, Wet, Dry, None Other:

Note: Since laboratory accreditations are subject to change, Eurofins Chicago places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Chicago laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Chicago attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Chicago.

Possible Hazard Identification *Unconfirmed*	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*** ☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:
Empty Kit Relinquished by:	Date: Time: Method of Shipment:

Relinquished by:	Date/Time: 12/13/24 1600	Company	Received by:	Date/Time: 12-14-24 930	Company		
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company		
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company		

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 10/10/2024

Eurofins Chicago
2417 Bond Street
University Park, IL 60484
Phone: 708-534-5200 Fax: 708-534-5211

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Fredrick, Sandie	Carrier Tracking No(s): N/A	COC No: 500-196237.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Sandra.Fredrick@et.eurofinsus.com	State of Origin: Michigan	Page: Page 1 of 2
Company: Eurofins Environment Testing Northwest,		Accreditations Required (See note): N/A		
Address: 5755 8th Street East, ,	Due Date Requested: 1/7/2025			
City: Tacoma	TAT Requested (days): N/A			
State, Zip: WA, 98424				
Phone: 253-922-2310(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: White Pines, MI	Project #: 50023455			
Site: N/A	SSOW#: N/A			

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	1638/1638_Prep_W Uranium only (ICP/MS)	1631E/ Mercury, Low Level (CVAFS)	1630_ME/1630_Dist_PFP Methyl Mercury	1638/FIELD_FLTRD Dissolved Uranium only (ICP/MS)	1631E/FIELD_FLTRD Dissolved Mercury, Low Level (CVAFS) (fi	1630_ME/FIELD_FLTRD Dissolved Methyl Mercury (field filtered	Total Number o
			Preservation Code:										
SBW-01_20241210 (500-261422-1)	12/10/24	14:30 Eastern	G	Water			X	X	X	X	X	X	8
SBW-01_20241210_FBLL (500-261422-2)	12/10/24	14:30 Eastern	G	Water				X					2
FB-01-GW_20241210 (500-261422-3)	12/10/24	17:00 Eastern	G	Water			X	X	X				4
FB-01-GW_20241210_FBLL (500-261422-4)	12/10/24	17:00 Eastern	G	Water				X					2
MW-3A_20241210 (500-261422-5)	12/10/24	15:40 Eastern	G	Water			X	X	X	X	X	X	8
MW-3A_20241210_FBLL (500-261422-6)	12/10/24	15:40 Eastern	G	Water				X					2
MW-3B_20241210 (500-261422-7)	12/10/24	17:00 Eastern	G	Water			X	X	X	X	X	X	8
MW-3B_20241210_FBLL (500-261422-8)	12/10/24	17:00 Eastern	G	Water				X					2
MW-2A_20241210 (500-261422-9)	12/10/24	09:50 Eastern	G	Water			X	X	X	X	X	X	8

Analysis

Note: Since laboratory accreditations are subject to change, Eurofins Chicago places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Chicago laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Chicago attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Chicago.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	[signature]	12/13/24 1600		[signature]	12-14-24 930	Eth
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ∆ Yes ∆ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 10/10/2024

Therm. ID: SC01 Cust. Seal: (Y) / N
Corr./Corr. Temp: 1.1 / 1.1 °C
Delivery: UPS / FedEx / Other:
Type: Blue / Dry / Wet / None
Label Ver.: _____ Packing: B
Therm. ID: SC01 Cust. Seal: (Y) / N
Corr./Corr. Temp: -0.3 / -1.3 °C
Delivery: UPS / FedEx / Other:
Type: Blue / Dry / Wet / None
Label Ver.: _____ Packing: B

Therm. ID: SC01 Cust. Seal: (Y) / N
Corr./Corr. Temp: 1.1 / 1.1 °C
Delivery: UPS / FedEx / Other:
Type: Blue / Dry / Wet / None
Label Ver.: _____ Packing: B

N/A
Ls Blue

Therm. ID: 11 Cor: 0.9
Cooler Dsc: SB
Packing: Bub
Cust. Seal: Yes No
Blue Ice, Dry, None
FedEx: UPS: Lab Courr: Other:

1/8/2025

Eurofins Chicago
2417 Bond Street
University Park, IL 60484
Phone: 708-534-5200 Fax: 708-534-5211

Chain of Custody Record

eurofins | Environment Testing

1/8/2025

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Fredrick, Sandie	Carrier Tracking No(s): N/A	COC No: 500-196237.2
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Sandra.Fredrick@et.eurofinsus.com	State of Origin: Michigan	Page: Page 2 of 2
Company: Eurofins Environment Testing Northwest,		Accreditations Required (See note): N/A		Job #: 500-261422-1
Address: 5755 8th Street East,	Due Date Requested: 1/7/2025			Preservation Codes:
City: Tacoma	TAT Requested (days): N/A			
State, Zip: WA, 98424				
Phone: 253-922-2310(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: White Pines, MI	Project #: 50023455			
Site: N/A	SSOW#: N/A			Other: N/A

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	1638/1638_Prep_W Uranium only (ICP/MS)	1631E/ Mercury, Low Level (CVAFS)	1630_ME/1630_Dist_PFP Methyl Mercury	1638/FIELD_FLTRD Dissolved Uranium only (ICP/MS) (field f	1631E/FIELD_FLTRD Dissolved Mercury, Low Level (CVAFS) (fi	1630_ME/FIELD_FLTRD Dissolved Methyl Mercury (field filtered	Total Number of containers	Special
			Preservation Code:											
MW-2A_20241210_FBLL (500-261422-10)	12/10/24	09:50 Eastern	G	Water				X					2	
MW-2B_20241210 (500-261422-11)	12/10/24	12:20 Eastern	G	Water			X	X	X	X	X	X	8	
MW-2B_20241210_FBLL (500-261422-12)	12/10/24	12:20 Eastern	G	Water				X					2	
SBD-01_20241210 (500-261422-13)	12/10/24	13:00 Eastern	G	Water			X	X	X	X	X	X	8	
SBD-01_20241210_FBLL (500-261422-14)	12/10/24	13:00 Eastern	G	Water				X					2	
DUP-01-GW_20241210 (500-261422-15)	12/10/24	23:59 Eastern	G	Water			X	X	X	X	X	X	8	
DUP-01-GW_20241210_FBLL (500-261422-16)	12/10/24	23:59 Eastern	G	Water				X					2	

Therm. ID: 11 Cor: 0.9 °C Tmp: 1.9 °
Cooler Dsc: 38 FedEx: FED
Packing: bub UPS:
Cust. Seal: Yes No Lab Courr:
Blue Ice, Dry, None Other:

Note: Since laboratory accreditations are subject to change, Eurofins Chicago places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Chicago laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Chicago attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Chicago.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	12/13/24 1600			12-14-24 930	EETN
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 10/10/2024

Login Sample Receipt Checklist

Client: White Pine Copper LLC

Job Number: 500-261422-1

Login Number: 261422
List Number: 1
Creator: Hernandez, Stephanie

List Source: Eurofins Chicago

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	-1.8,1.6,0.5,4.5
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	False	
Samples are received within Holding Time (excluding tests with immediate HTs)	False	DELAYED BY FED EX
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: White Pine Copper LLC

Job Number: 500-261422-1

Login Number: 261422
List Number: 2
Creator: Miller, Darren R

List Source: Eurofins Seattle Specialty Metals
List Creation: 12/16/24 10:46 AM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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500-261422 Field Sheet

Date:	12/16/2024
End Time:	10:55
pH Paper Lot:	hc441704
Analyst:	VO

Preservative ID	Preservative Type	Container ID
A	Nitric Acid	na
ZZZZZZZZZZZZZZZZ	ZZZZZZZZZZZZZZZZZZZZZZZZ	ZZZZZZZZZZ
ZZZZZZZZZZZZZZZZ	ZZZZZZZZZZZZZZZZZZZZZZZZ	ZZZZZZZZZZ
ZZZZZZZZZZZZZZZZ	ZZZZZZZZZZZZZZZZZZZZZZZZ	ZZZZZZZZZZ

Sample ID	Initial pH	Final pH	Preservative ID	Preservative Added (mL)	Comments
500-261422-N-7	<2				
500-261422-M-15	<2				
500-261422-N-15	<2				
500-261422-M-5	<2				
500-261422-N-15	<2				
500-261422-N-9	<2				
500-261422-M-7	<2				
500-261422-M-9	<2				
500-261422-N-13	<2				
500-261422-N-5	<2			12/16/24	
500-261422-M-3	<2				
500-261422-M-15	<2				
500-261422-M-13	<2				
500-261422-M-11	<2				
500-261422-N-11	<2				

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500-261422 Field Sheet

Date:	12/16/2024
End Time:	12:15
pH Paper Lot:	hc441704
Analyst:	

Preservative ID	Preservative Type	Container ID
A	Hydrochloric Acid	na
zzzzzzzzzzzzzzzz	zzzzzzzzzzzzzzzzzzzzzzz	zzzzzzzzzz
zzzzzzzzzzzzzzzz	zzzzzzzzzzzzzzzzzzzzzzz	zzzzzzzzzz
zzzzzzzzzzzzzzzz	zzzzzzzzzzzzzzzzzzzzzzz	zzzzzzzzzz

Sample ID	Initial pH	Final pH	Preservative ID	Preservative Added (mL)	Comments
500-261422-E-13	<2				
500-261422-F-15	<2				
500-261422-E-9	<2				
500-261422-F-5	<2				
500-261422-E-11	<2				
500-261422-E-7	<2				
500-261422-F-9	<2				
500-261422-E-15	<2				
500-261422-F-15	<2				
500-261422-F-7	<2			12/16/24	
500-261422-F-11	<2				
500-261422-E-5	<2				
500-261422-E-3	<2				
500-261422-E-1	<2				
500-261422-F-13	<2				

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Amanda Zeidler
White Pine Copper LLC
35362 Mall Circle Drive
White Pine, Michigan 49971

Generated 1/9/2025 8:26:35 AM

JOB DESCRIPTION

White Pines, MI

JOB NUMBER

500-261545-1

Eurofins Chicago
2417 Bond Street
University Park IL 60484

See page two for job notes and contact information.

my EOL

Eurofins Chicago

Job Notes

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. This report is confidential and is intended for the sole use of Eurofins Environment Testing North Central, LLC and its client. All questions regarding this report should be directed to the Eurofins Environment Testing North Central, LLC Project Manager who has signed this report.

Results relate only to the items tested and the sample(s) as received by the laboratory. The results, detection limits (LOD) and Quantitation Limits (LOQ) have been adjusted for sample dilutions and/or solids content.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Chicago Project Manager.

Compliance Statement

The LOD and LOQ reported are adjusted by the dilution factor when a dilution factor greater than 1 is needed. Additionally, where results are indicated as being reported on a dry weight basis, the LOD and LOQ are adjusted for moisture content as well.

Definitions of Limits
- LOD = Limit of Detection = MDL as defined by 40 CFR part 136 Appendix B
- LOQ = Limit of Quantitation = 3.33 x LOD as defined by Wisconsin
- RL = Report Limit = a concentration supported by a standard in the calibration curves

Authorization



Generated
1/9/2025 8:26:35 AM

Authorized for release by
Sandie Fredrick, Senior Project Manager
Sandra.Fredrick@et.eurofinsus.com
(920)261-1660

Table of Contents

Cover Page 1
Table of Contents 3
Case Narrative 4
Detection Summary 5
Method Summary 14
Sample Summary 15
Client Sample Results 16
Definitions 44
QC Association 45
QC Sample Results 55
Chronicle 72
Certification Summary 80
Chain of Custody 81
Receipt Checklists 92
Field Data Sheets 94

Job Narrative
500-261545-1

Receipt
The samples were received on 12/13/24 09:20. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 4 coolers at receipt time were 5.4º C, 5.7º C, 5.8º C and 5.8º C.

Receipt Exceptions
Sample #13- total Methyl Hg container lid not fully tighten-about half leaked.

Metals
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Field Service / Mobile Lab
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

General Chemistry
Method 300.0: The following sample was received outside of holding time: ARC-03_20241211 (500-261545-3).

Method 300.0: The following samples were analyzed outside of analytical holding time due to system outages. TBN-01_20241211 (500-261545-7) and TBS-01_20241211 (500-261545-11)

Method SM 2320B: The method blank for analytical batch 500-800446 contained Alkalinity and Bicarbonate Alkalinity as CaCO3 above the reporting limit (RL). Associated sample(s) were not re-extracted and/or re-analyzed because results were greater than 10X the value found in the method blank. The following samples are affected: PRC-01_20241211 (500-261545-1), PTC-01_20241211 (500-261545-5), TBN-01_20241211 (500-261545-7), BNW-01_20241211 (500-261545-9), TBS-01_20241211 (500-261545-11) and (MB 500-800446/53)

Method SM 2320B: The method blank for analytical batch 500-801026 contained Alkalinity above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

Method 300.0: Spike compounds were inadvertently omitted during the extraction process for the matrix spike/matrix spike duplicate (MS/MSD); therefore, matrix spike recoveries are unavailable for analytical batch 500-801398. The associated laboratory control sample (LCS) met acceptance criteria.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261545-1

Client Sample ID: PRC-01_20241211 — Lab Sample ID: 500-261545-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	0.33	J	0.50	0.20	ng/L	1		1631E	Total/NA
Mercury	0.29	J	0.50	0.20	ng/L	1		1631E	Dissolved
Uranium	0.65		0.050	0.0098	ug/L	1		1638	Total Recoverable
Uranium	0.66		0.050	0.0098	ug/L	1		1638	Dissolved
Aluminum	120		100	25	ug/L	1		6020B	Total Recoverable
Arsenic	0.64	J	1.0	0.23	ug/L	1		6020B	Total Recoverable
Barium	140		2.5	0.73	ug/L	1		6020B	Total Recoverable
Boron	340		50	13	ug/L	1		6020B	Total Recoverable
Calcium	81000		200	44	ug/L	1		6020B	Total Recoverable
Copper	34		2.0	0.50	ug/L	1		6020B	Total Recoverable
Iron	300		100	47	ug/L	1		6020B	Total Recoverable
Lithium	40		10	2.5	ug/L	1		6020B	Total Recoverable
Magnesium	12000		200	49	ug/L	1		6020B	Total Recoverable
Manganese	81		2.5	0.79	ug/L	1		6020B	Total Recoverable
Molybdenum	48		5.0	2.5	ug/L	1		6020B	Total Recoverable
Potassium	5600		500	110	ug/L	1		6020B	Total Recoverable
Sodium	76000		200	77	ug/L	1		6020B	Total Recoverable
Strontium	880		4.0	0.64	ug/L	1		6020B	Total Recoverable
Arsenic	0.55	J	1.0	0.23	ug/L	1		6020B	Dissolved
Barium	140		2.5	0.73	ug/L	1		6020B	Dissolved
Boron	340		50	13	ug/L	1		6020B	Dissolved
Calcium	79000		200	44	ug/L	1		6020B	Dissolved
Copper	21		2.0	0.50	ug/L	1		6020B	Dissolved
Lithium	39		10	2.5	ug/L	1		6020B	Dissolved
Magnesium	12000		200	49	ug/L	1		6020B	Dissolved
Manganese	71		2.5	0.79	ug/L	1		6020B	Dissolved
Molybdenum	48		5.0	2.5	ug/L	1		6020B	Dissolved
Potassium	5500		500	110	ug/L	1		6020B	Dissolved
Sodium	75000		200	77	ug/L	1		6020B	Dissolved
Strontium	880		4.0	0.64	ug/L	1		6020B	Dissolved
Tin	2.3	J	5.0	1.3	ug/L	1		6020B	Dissolved
Hardness as calcium carbonate	250		0.91	0.46	mg/L	1		SM 2340B	Total Recoverable
Bromide	1.5		1.0	0.45	mg/L	1		300.0	Total/NA
Chloride	190		10	4.2	mg/L	10		300.0	Total/NA
Sulfate	34		1.0	0.47	mg/L	1		300.0	Total/NA
Alkalinity	100	B	5.0	3.7	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	100	B	5.0	3.7	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	550		10	4.3	mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	3.6	J	5.0	1.9	mg/L	1		SM 2540D	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Chicago

Detection Summary

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261545-1

Client Sample ID: PRC-01_20241211 (Continued) — Lab Sample ID: 500-261545-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sulfide	0.94	J	1.0	0.23	mg/L	1		SM 4500 S2 F	Total/NA
Total Organic Carbon	4.4		1.0	0.47	mg/L	1		SM 5310C	Total/NA
Dissolved Organic Carbon	4.3		1.0	0.47	mg/L	1		SM 5310C	Dissolved

Client Sample ID: PRC-01_20241211_FBLL — Lab Sample ID: 500-261545-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	0.37	J	0.50	0.20	ng/L	1		1631E	Total/NA

Client Sample ID: ARC-03_20241211 — Lab Sample ID: 500-261545-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl Mercury	0.033	J B	0.050	0.022	ng/L	1		1630	Total/NA
Methyl Mercury	0.072		0.050	0.022	ng/L	1		1630	Dissolved
Mercury	3.5		0.50	0.20	ng/L	1		1631E	Total/NA
Mercury	3.3		0.50	0.20	ng/L	1		1631E	Dissolved
Uranium	0.17		0.050	0.0098	ug/L	1		1638	Total Recoverable
Uranium	0.14		0.050	0.0098	ug/L	1		1638	Dissolved
Aluminum	310		100	25	ug/L	1		6020B	Total Recoverable
Arsenic	0.31	J	1.0	0.23	ug/L	1		6020B	Total Recoverable
Barium	38		2.5	0.73	ug/L	1		6020B	Total Recoverable
Boron	20	J	50	13	ug/L	1		6020B	Total Recoverable
Calcium	14000		200	44	ug/L	1		6020B	Total Recoverable
Copper	6.8		2.0	0.50	ug/L	1		6020B	Total Recoverable
Iron	480		100	47	ug/L	1		6020B	Total Recoverable
Magnesium	3600		200	49	ug/L	1		6020B	Total Recoverable
Manganese	8.8		2.5	0.79	ug/L	1		6020B	Total Recoverable
Potassium	1000		500	110	ug/L	1		6020B	Total Recoverable
Sodium	3400		200	77	ug/L	1		6020B	Total Recoverable
Strontium	62		4.0	0.64	ug/L	1		6020B	Total Recoverable
Aluminum	59	J	100	25	ug/L	1		6020B	Dissolved
Arsenic	0.26	J	1.0	0.23	ug/L	1		6020B	Dissolved
Barium	35		2.5	0.73	ug/L	1		6020B	Dissolved
Boron	33	J	50	13	ug/L	1		6020B	Dissolved
Calcium	14000		200	44	ug/L	1		6020B	Dissolved
Copper	5.8		2.0	0.50	ug/L	1		6020B	Dissolved
Iron	230		100	47	ug/L	1		6020B	Dissolved
Magnesium	3600		200	49	ug/L	1		6020B	Dissolved
Manganese	5.0		2.5	0.79	ug/L	1		6020B	Dissolved
Potassium	1000		500	110	ug/L	1		6020B	Dissolved
Sodium	3500		200	77	ug/L	1		6020B	Dissolved
Strontium	62		4.0	0.64	ug/L	1		6020B	Dissolved

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261545-1

Client Sample ID: ARC-03_20241211 (Continued) — Lab Sample ID: 500-261545-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Hardness as calcium carbonate	50		0.91	0.46	mg/L	1		SM 2340B	Total Recoverable
Chloride	5.2		1.0	0.42	mg/L	1		300.0	Total/NA
Sulfate	3.1		1.0	0.47	mg/L	1		300.0	Total/NA
Alkalinity	46	B	5.0	3.7	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	46	B	5.0	3.7	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	66		10	4.3	mg/L	1		SM 2540C	Total/NA
Sulfide	1.2		1.0	0.23	mg/L	1		SM 4500 S2 F	Total/NA
Total Organic Carbon	8.5		1.0	0.47	mg/L	1		SM 5310C	Total/NA
Dissolved Organic Carbon	8.7		1.0	0.47	mg/L	1		SM 5310C	Dissolved

Client Sample ID: ARC-03_20241211_FBLL — Lab Sample ID: 500-261545-4

No Detections.

Client Sample ID: PTC-01_20241211 — Lab Sample ID: 500-261545-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl Mercury	0.024	J	0.050	0.022	ng/L	1		1630	Total/NA
Methyl Mercury	0.028	J	0.050	0.022	ng/L	1		1630	Dissolved
Mercury	1.1		0.50	0.20	ng/L	1		1631E	Total/NA
Mercury	1.0		0.50	0.20	ng/L	1		1631E	Dissolved
Uranium	0.19		0.050	0.0098	ug/L	1		1638	Total Recoverable
Uranium	0.19		0.050	0.0098	ug/L	1		1638	Dissolved
Barium	88		2.5	0.73	ug/L	1		6020B	Total Recoverable
Boron	61		50	13	ug/L	1		6020B	Total Recoverable
Calcium	25000		200	44	ug/L	1		6020B	Total Recoverable
Copper	2.8		2.0	0.50	ug/L	1		6020B	Total Recoverable
Iron	110		100	47	ug/L	1		6020B	Total Recoverable
Lead	0.33	J	0.50	0.19	ug/L	1		6020B	Total Recoverable
Lithium	2.5	J	10	2.5	ug/L	1		6020B	Total Recoverable
Magnesium	5800		200	49	ug/L	1		6020B	Total Recoverable
Manganese	4.5		2.5	0.79	ug/L	1		6020B	Total Recoverable
Potassium	1400		500	110	ug/L	1		6020B	Total Recoverable
Sodium	7000		200	77	ug/L	1		6020B	Total Recoverable
Strontium	130		4.0	0.64	ug/L	1		6020B	Total Recoverable
Barium	86		2.5	0.73	ug/L	1		6020B	Dissolved
Boron	66		50	13	ug/L	1		6020B	Dissolved
Calcium	25000		200	44	ug/L	1		6020B	Dissolved
Copper	2.6		2.0	0.50	ug/L	1		6020B	Dissolved
Iron	69	J	100	47	ug/L	1		6020B	Dissolved
Lithium	2.9	J	10	2.5	ug/L	1		6020B	Dissolved
Magnesium	5800		200	49	ug/L	1		6020B	Dissolved

This Detection Summary does not include radiochemical test results.

Client Sample ID: PTC-01_20241211 (Continued) — Lab Sample ID: 500-261545-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Manganese	3.6		2.5	0.79	ug/L	1		6020B	Dissolved
Potassium	1300		500	110	ug/L	1		6020B	Dissolved
Sodium	7000		200	77	ug/L	1		6020B	Dissolved
Strontium	130		4.0	0.64	ug/L	1		6020B	Dissolved
Hardness as calcium carbonate	86		0.91	0.46	mg/L	1		SM 2340B	Total Recoverable
Nitrate as N	0.37	J	1.0	0.37	mg/L	1		300.0	Total/NA
Chloride	18		1.0	0.42	mg/L	1		300.0	Total/NA
Nitrate Nitrite as N	0.37	J	1.0	0.37	mg/L	1		300.0	Total/NA
Sulfate	3.1		1.0	0.47	mg/L	1		300.0	Total/NA
Alkalinity	72	B	5.0	3.7	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	72	B	5.0	3.7	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	120		10	4.3	mg/L	1		SM 2540C	Total/NA
Sulfide	2.3		1.0	0.23	mg/L	1		SM 4500 S2 F	Total/NA
Total Organic Carbon	5.1		1.0	0.47	mg/L	1		SM 5310C	Total/NA
Dissolved Organic Carbon	5.1		1.0	0.47	mg/L	1		SM 5310C	Dissolved

Client Sample ID: PTC-01_20241211_FBLL — Lab Sample ID: 500-261545-6

No Detections.

Client Sample ID: TBN-01_20241211 — Lab Sample ID: 500-261545-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	1.1		0.50	0.20	ng/L	1		1631E	Total/NA
Mercury	0.27	J	0.50	0.20	ng/L	1		1631E	Dissolved
Uranium	0.67		0.050	0.0098	ug/L	1		1638	Total Recoverable
Uranium	0.68		0.050	0.0098	ug/L	1		1638	Dissolved
Aluminum	480		100	25	ug/L	1		6020B	Total Recoverable
Arsenic	0.98	J	1.0	0.23	ug/L	1		6020B	Total Recoverable
Barium	100		2.5	0.73	ug/L	1		6020B	Total Recoverable
Boron	360		50	13	ug/L	1		6020B	Total Recoverable
Calcium	71000		200	44	ug/L	1		6020B	Total Recoverable
Chromium	1.7	J	5.0	1.1	ug/L	1		6020B	Total Recoverable
Cobalt	0.45	J	1.0	0.40	ug/L	1		6020B	Total Recoverable
Copper	120		2.0	0.50	ug/L	1		6020B	Total Recoverable
Iron	900		100	47	ug/L	1		6020B	Total Recoverable
Lead	0.39	J	0.50	0.19	ug/L	1		6020B	Total Recoverable
Lithium	41		10	2.5	ug/L	1		6020B	Total Recoverable
Magnesium	10000		200	49	ug/L	1		6020B	Total Recoverable
Manganese	32		2.5	0.79	ug/L	1		6020B	Total Recoverable

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261545-1

Client Sample ID: TBN-01_20241211 (Continued) — Lab Sample ID: 500-261545-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Molybdenum	53		5.0	2.5	ug/L	1		6020B	Total Recoverable
Nickel	1.1	J	2.0	0.63	ug/L	1		6020B	Total Recoverable
Potassium	7000		500	110	ug/L	1		6020B	Total Recoverable
Sodium	75000		200	77	ug/L	1		6020B	Total Recoverable
Strontium	840		4.0	0.64	ug/L	1		6020B	Total Recoverable
Aluminum	55	J	100	25	ug/L	1		6020B	Dissolved
Arsenic	0.84	J	1.0	0.23	ug/L	1		6020B	Dissolved
Barium	100		2.5	0.73	ug/L	1		6020B	Dissolved
Boron	360		50	13	ug/L	1		6020B	Dissolved
Calcium	72000		200	44	ug/L	1		6020B	Dissolved
Copper	46		2.0	0.50	ug/L	1		6020B	Dissolved
Iron	99	J	100	47	ug/L	1		6020B	Dissolved
Lithium	40		10	2.5	ug/L	1		6020B	Dissolved
Magnesium	9900		200	49	ug/L	1		6020B	Dissolved
Manganese	20		2.5	0.79	ug/L	1		6020B	Dissolved
Molybdenum	56		5.0	2.5	ug/L	1		6020B	Dissolved
Potassium	7000		500	110	ug/L	1		6020B	Dissolved
Sodium	76000		200	77	ug/L	1		6020B	Dissolved
Strontium	850		4.0	0.64	ug/L	1		6020B	Dissolved
Hardness as calcium carbonate	220		0.91	0.46	mg/L	1		SM 2340B	Total Recoverable
Bromide	1.7		1.0	0.45	mg/L	1		300.0	Total/NA
Chloride	180		10	4.2	mg/L	10		300.0	Total/NA
Sulfate	44		1.0	0.47	mg/L	1		300.0	Total/NA
Phosphorus as P	0.041	J	0.050	0.024	mg/L	1		365.1	Total/NA
Alkalinity	98	B	5.0	3.7	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	98	B	5.0	3.7	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	520		10	4.3	mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	36		8.3	3.2	mg/L	1		SM 2540D	Total/NA
Sulfide	0.64	J	1.0	0.23	mg/L	1		SM 4500 S2 F	Total/NA
Total Organic Carbon	4.9		1.0	0.47	mg/L	1		SM 5310C	Total/NA
Dissolved Organic Carbon	4.6		1.0	0.47	mg/L	1		SM 5310C	Dissolved

Client Sample ID: TBN-01_20241211_FBLL — Lab Sample ID: 500-261545-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	0.37	J	0.50	0.20	ng/L	1		1631E	Total/NA

Client Sample ID: BNW-01_20241211 — Lab Sample ID: 500-261545-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	0.65		0.50	0.20	ng/L	1		1631E	Total/NA
Mercury	0.26	J	0.50	0.20	ng/L	1		1631E	Dissolved
Uranium	0.10		0.050	0.0098	ug/L	1		1638	Total Recoverable
Uranium	0.099		0.050	0.0098	ug/L	1		1638	Dissolved
Arsenic	0.37	J	1.0	0.23	ug/L	1		6020B	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client Sample ID: BNW-01_20241211 (Continued) — Lab Sample ID: 500-261545-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	28		2.5	0.73	ug/L	1		6020B	Total Recoverable
Boron	19	J	50	13	ug/L	1		6020B	Total Recoverable
Calcium	31000		200	44	ug/L	1		6020B	Total Recoverable
Copper	1.5	J	2.0	0.50	ug/L	1		6020B	Total Recoverable
Iron	62	J	100	47	ug/L	1		6020B	Total Recoverable
Magnesium	7500		200	49	ug/L	1		6020B	Total Recoverable
Manganese	4.2		2.5	0.79	ug/L	1		6020B	Total Recoverable
Potassium	540		500	110	ug/L	1		6020B	Total Recoverable
Sodium	1700		200	77	ug/L	1		6020B	Total Recoverable
Strontium	87		4.0	0.64	ug/L	1		6020B	Total Recoverable
Arsenic	0.33	J	1.0	0.23	ug/L	1		6020B	Dissolved
Barium	26		2.5	0.73	ug/L	1		6020B	Dissolved
Boron	19	J	50	13	ug/L	1		6020B	Dissolved
Calcium	29000		200	44	ug/L	1		6020B	Dissolved
Copper	1.1	J	2.0	0.50	ug/L	1		6020B	Dissolved
Magnesium	7100		200	49	ug/L	1		6020B	Dissolved
Manganese	13		2.5	0.79	ug/L	1		6020B	Dissolved
Potassium	750		500	110	ug/L	1		6020B	Dissolved
Sodium	1600		200	77	ug/L	1		6020B	Dissolved
Strontium	82		4.0	0.64	ug/L	1		6020B	Dissolved
Hardness as calcium carbonate	110		0.91	0.46	mg/L	1		SM 2340B	Total Recoverable
Chloride	1.6		1.0	0.42	mg/L	1		300.0	Total/NA
Alkalinity	110	B	5.0	3.7	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	110	B	5.0	3.7	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	88		10	4.3	mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	2.0	J	5.0	1.9	mg/L	1		SM 2540D	Total/NA
Sulfide	0.67	J	1.0	0.23	mg/L	1		SM 4500 S2 F	Total/NA
Total Organic Carbon	6.0		1.0	0.47	mg/L	1		SM 5310C	Total/NA
Dissolved Organic Carbon	6.0		1.0	0.47	mg/L	1		SM 5310C	Dissolved

Client Sample ID: BNW-01_20241211_FBLL — Lab Sample ID: 500-261545-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	0.42	J	0.50	0.20	ng/L	1		1631E	Total/NA

Client Sample ID: TBS-01_20241211 — Lab Sample ID: 500-261545-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl Mercury	0.037	J B	0.050	0.022	ng/L	1		1630	Total/NA
Mercury	3.3		0.50	0.20	ng/L	1		1631E	Total/NA
Mercury	0.82		0.50	0.20	ng/L	1		1631E	Dissolved
Uranium	0.63	B	0.050	0.0098	ug/L	1		1638	Total Recoverable
Uranium	0.33	B	0.050	0.0098	ug/L	1		1638	Dissolved

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261545-1

Client Sample ID: TBS-01_20241211 (Continued) — Lab Sample ID: 500-261545-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aluminum	600		100	25	ug/L	1		6020B	Total Recoverable
Arsenic	0.94	J	1.0	0.23	ug/L	1		6020B	Total Recoverable
Barium	86		2.5	0.73	ug/L	1		6020B	Total Recoverable
Boron	250		50	13	ug/L	1		6020B	Total Recoverable
Calcium	66000		200	44	ug/L	1		6020B	Total Recoverable
Chromium	1.4	J	5.0	1.1	ug/L	1		6020B	Total Recoverable
Cobalt	0.84	J	1.0	0.40	ug/L	1		6020B	Total Recoverable
Copper	290		2.0	0.50	ug/L	1		6020B	Total Recoverable
Iron	1600		100	47	ug/L	1		6020B	Total Recoverable
Lead	0.41	J	0.50	0.19	ug/L	1		6020B	Total Recoverable
Lithium	30		10	2.5	ug/L	1		6020B	Total Recoverable
Magnesium	6300		200	49	ug/L	1		6020B	Total Recoverable
Manganese	77		2.5	0.79	ug/L	1		6020B	Total Recoverable
Nickel	1.3	J	2.0	0.63	ug/L	1		6020B	Total Recoverable
Potassium	5100		500	110	ug/L	1		6020B	Total Recoverable
Sodium	46000		200	77	ug/L	1		6020B	Total Recoverable
Strontium	750		4.0	0.64	ug/L	1		6020B	Total Recoverable
Vanadium	2.6	J	5.0	2.2	ug/L	1		6020B	Total Recoverable
Zinc	7.8	J	20	6.9	ug/L	1		6020B	Total Recoverable
Arsenic	0.64	J	1.0	0.23	ug/L	1		6020B	Dissolved
Barium	72		2.5	0.73	ug/L	1		6020B	Dissolved
Boron	240		50	13	ug/L	1		6020B	Dissolved
Calcium	63000		200	44	ug/L	1		6020B	Dissolved
Copper	25		2.0	0.50	ug/L	1		6020B	Dissolved
Lithium	28		10	2.5	ug/L	1		6020B	Dissolved
Magnesium	5900		200	49	ug/L	1		6020B	Dissolved
Manganese	43		2.5	0.79	ug/L	1		6020B	Dissolved
Molybdenum	4.6	J	5.0	2.5	ug/L	1		6020B	Dissolved
Potassium	5000		500	110	ug/L	1		6020B	Dissolved
Sodium	46000		200	77	ug/L	1		6020B	Dissolved
Strontium	710		4.0	0.64	ug/L	1		6020B	Dissolved
Hardness as calcium carbonate	190		0.91	0.46	mg/L	1		SM 2340B	Total Recoverable
Bromide	0.83	J	1.0	0.45	mg/L	1		300.0	Total/NA
Chloride	110		10	4.2	mg/L	10		300.0	Total/NA
Sulfate	24		1.0	0.47	mg/L	1		300.0	Total/NA
Phosphorus as P	0.14		0.050	0.024	mg/L	1		365.1	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: TBS-01_20241211 (Continued) — Lab Sample ID: 500-261545-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Alkalinity	99	B	5.0	3.7	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	99	B	5.0	3.7	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	350		10	4.3	mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	120		25	9.7	mg/L	1		SM 2540D	Total/NA
Sulfide	1.5		1.0	0.23	mg/L	1		SM 4500 S2 F	Total/NA
Total Organic Carbon	7.7		1.0	0.47	mg/L	1		SM 5310C	Total/NA
Dissolved Organic Carbon	6.3		1.0	0.47	mg/L	1		SM 5310C	Dissolved

Client Sample ID: TBS-01_20241211_FBLL — Lab Sample ID: 500-261545-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	0.22	J	0.50	0.20	ng/L	1		1631E	Total/NA

Client Sample ID: BNC-01_20241211 — Lab Sample ID: 500-261545-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl Mercury	0.10	B	0.050	0.022	ng/L	1		1630	Total/NA
Mercury	12		0.50	0.20	ng/L	1		1631E	Total/NA
Mercury	1.3		0.50	0.20	ng/L	1		1631E	Dissolved
Uranium	0.16	B	0.050	0.0098	ug/L	1		1638	Total Recoverable
Uranium	0.011	J B	0.050	0.0098	ug/L	1		1638	Dissolved
Aluminum	190		100	25	ug/L	1		6020B	Total Recoverable
Arsenic	0.43	J	1.0	0.23	ug/L	1		6020B	Total Recoverable
Barium	150		2.5	0.73	ug/L	1		6020B	Total Recoverable
Boron	26	J	50	13	ug/L	1		6020B	Total Recoverable
Cadmium	0.44	J	0.50	0.17	ug/L	1		6020B	Total Recoverable
Calcium	20000		200	44	ug/L	1		6020B	Total Recoverable
Copper	37		2.0	0.50	ug/L	1		6020B	Total Recoverable
Iron	6800		100	47	ug/L	1		6020B	Total Recoverable
Lead	0.45	J	0.50	0.19	ug/L	1		6020B	Total Recoverable
Lithium	2.5	J	10	2.5	ug/L	1		6020B	Total Recoverable
Magnesium	3500		200	49	ug/L	1		6020B	Total Recoverable
Manganese	1200		2.5	0.79	ug/L	1		6020B	Total Recoverable
Potassium	1700		500	110	ug/L	1		6020B	Total Recoverable
Sodium	5000		200	77	ug/L	1		6020B	Total Recoverable
Strontium	88		4.0	0.64	ug/L	1		6020B	Total Recoverable
Zinc	14	J	20	6.9	ug/L	1		6020B	Total Recoverable
Arsenic	0.26	J	1.0	0.23	ug/L	1		6020B	Dissolved
Barium	55		2.5	0.73	ug/L	1		6020B	Dissolved

This Detection Summary does not include radiochemical test results.

Client Sample ID: BNC-01_20241211 (Continued) — Lab Sample ID: 500-261545-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Boron	26	J	50	13	ug/L	1		6020B	Dissolved
Calcium	17000		200	44	ug/L	1		6020B	Dissolved
Copper	4.6		2.0	0.50	ug/L	1		6020B	Dissolved
Iron	64	J	100	47	ug/L	1		6020B	Dissolved
Lithium	2.8	J	10	2.5	ug/L	1		6020B	Dissolved
Magnesium	3300		200	49	ug/L	1		6020B	Dissolved
Manganese	65		2.5	0.79	ug/L	1		6020B	Dissolved
Nickel	1.1	J	2.0	0.63	ug/L	1		6020B	Dissolved
Potassium	1600		500	110	ug/L	1		6020B	Dissolved
Sodium	5100		200	77	ug/L	1		6020B	Dissolved
Strontium	71		4.0	0.64	ug/L	1		6020B	Dissolved
Hardness as calcium carbonate	64		0.91	0.46	mg/L	1		SM 2340B	Total Recoverable
Chloride	13		1.0	0.42	mg/L	1		300.0	Total/NA
Phosphorus as P	0.25		0.050	0.024	mg/L	1		365.1	Total/NA
Alkalinity	50		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	50		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	76		10	4.3	mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	160		25	9.7	mg/L	1		SM 2540D	Total/NA
Sulfide	5.3		1.0	0.23	mg/L	1		SM 4500 S2 F	Total/NA
Total Organic Carbon	13		1.0	0.47	mg/L	1		SM 5310C	Total/NA
Dissolved Organic Carbon	9.8		1.0	0.47	mg/L	1		SM 5310C	Dissolved

Client Sample ID: BNC-01_20241210_FBLL — Lab Sample ID: 500-261545-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	0.49	J	0.50	0.20	ng/L	1		1631E	Total/NA

This Detection Summary does not include radiochemical test results.

Method Summary

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261545-1

Method	Method Description	Protocol	Laboratory
1630	Methyl Mercury	EPA	EET SSM
1631E	Mercury, Low Level (CVAFS)	EPA	EET SSM
1638	Metals (ICP/MS)	EPA	EET SSM
6020B	Metals (ICP/MS)	SW846	EET CHI
SM 2340B	Total Hardness (as CaCO3) by calculation	SM	EET CHI
300.0	Anions, Ion Chromatography	EPA	EET CHI
335.4	Cyanide, Total	EPA	EET CHI
350.1	Nitrogen, Ammonia	EPA	EET CHI
365.1	Phosphorus, Total	EPA	EET CHI
SM 2320B	Alkalinity	SM	EET CHI
SM 2520B	Salinity	SM	EET CHI
SM 2540C	Solids, Total Dissolved (TDS)	SM	EET CHI
SM 2540D	Solids, Total Suspended (TSS)	SM	EET CHI
SM 4500 S2 F	Sulfide, Total	SM	EET CHI
SM 5310C	Organic Carbon, Dissolved (DOC)	SM	EET CHI
SM 5310C	TOC	SM	EET CHI
1630	Distillation, Methyl Mercury	EPA	EET SSM
1638	Preparation, Total Recoverable Metals	EPA	EET SSM
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET CHI
365.2/365.3/365	Phosphorus, Total	EPA	EET CHI
Distill/Ammonia	Distillation, Ammonia	None	EET CHI
Distill/CN	Distillation, Cyanide	None	EET CHI

Protocol References:

EPA = US Environmental Protection Agency

None = None

SM = "Standard Methods For The Examination Of Water And Wastewater"

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET CHI = Eurofins Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

EET SSM = Eurofins Seattle Specialty Metals, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

Sample Summary

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261545-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-261545-1	PRC-01_20241211	Water	12/11/24 16:00	12/13/24 09:20
500-261545-2	PRC-01_20241211_FBLL	Water	12/11/24 16:00	12/13/24 09:20
500-261545-3	ARC-03_20241211	Water	12/11/24 10:00	12/13/24 09:20
500-261545-4	ARC-03_20241211_FBLL	Water	12/11/24 10:00	12/13/24 09:20
500-261545-5	PTC-01_20241211	Water	12/11/24 12:00	12/13/24 09:20
500-261545-6	PTC-01_20241211_FBLL	Water	12/11/24 12:00	12/13/24 09:20
500-261545-7	TBN-01_20241211	Water	12/11/24 11:05	12/13/24 09:20
500-261545-8	TBN-01_20241211_FBLL	Water	12/11/24 11:05	12/13/24 09:20
500-261545-9	BNW-01_20241211	Water	12/11/24 15:45	12/13/24 09:20
500-261545-10	BNW-01_20241211_FBLL	Water	12/11/24 15:45	12/13/24 09:20
500-261545-11	TBS-01_20241211	Water	12/11/24 10:20	12/13/24 09:20
500-261545-12	TBS-01_20241211_FBLL	Water	12/11/24 10:20	12/13/24 09:20
500-261545-13	BNC-01_20241211	Water	12/11/24 12:35	12/13/24 09:20
500-261545-14	BNC-01_20241210_FBLL	Water	12/11/24 12:35	12/13/24 09:20

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261545-1

Client Sample ID: PRC-01_20241211

Date Collected: 12/11/24 16:00
Date Received: 12/13/24 09:20

Lab Sample ID: 500-261545-1

Matrix: Water

Method: EPA 1630 - Methyl Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		12/27/24 11:42	12/27/24 21:58	1

Method: EPA 1630 - Methyl Mercury - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		12/27/24 11:42	12/27/24 22:09	1

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.33**	**J**	0.50	0.20	ng/L			12/30/24 18:31	1

Method: EPA 1631E - Mercury, Low Level (CVAFS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.29**	**J**	0.50	0.20	ng/L			12/30/24 18:10	1

Method: EPA 1638 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.65**		0.050	0.0098	ug/L		01/07/25 12:01	01/07/25 18:42	1

Method: EPA 1638 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.66**		0.050	0.0098	ug/L		01/07/25 12:01	01/07/25 19:31	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**120**		100	25	ug/L		12/30/24 19:28	01/06/25 15:58	1
Antimony	<1.3		3.0	1.3	ug/L		01/07/25 14:48	01/08/25 12:04	1
Arsenic	**0.64**	**J**	1.0	0.23	ug/L		12/30/24 19:28	01/06/25 15:58	1
Barium	**140**		2.5	0.73	ug/L		12/30/24 19:28	01/06/25 15:58	1
Beryllium	<0.53		1.0	0.53	ug/L		12/30/24 19:28	01/06/25 15:58	1
Boron	**340**		50	13	ug/L		12/30/24 19:28	01/06/25 15:58	1
Cadmium	<0.17		0.50	0.17	ug/L		12/30/24 19:28	01/06/25 15:58	1
Calcium	**81000**		200	44	ug/L		12/30/24 19:28	01/06/25 15:58	1
Chromium	<1.1		5.0	1.1	ug/L		12/30/24 19:28	01/06/25 15:58	1
Cobalt	<0.40		1.0	0.40	ug/L		12/30/24 19:28	01/06/25 15:58	1
Copper	**34**		2.0	0.50	ug/L		12/30/24 19:28	01/06/25 15:58	1
Iron	**300**		100	47	ug/L		12/30/24 19:28	01/06/25 15:58	1
Lead	<0.19		0.50	0.19	ug/L		12/30/24 19:28	01/06/25 15:58	1
Lithium	**40**		10	2.5	ug/L		12/30/24 19:28	01/06/25 15:58	1
Magnesium	**12000**		200	49	ug/L		12/30/24 19:28	01/06/25 15:58	1
Manganese	**81**		2.5	0.79	ug/L		12/30/24 19:28	01/06/25 15:58	1
Molybdenum	**48**		5.0	2.5	ug/L		12/30/24 19:28	01/06/25 15:58	1
Nickel	<0.63		2.0	0.63	ug/L		12/30/24 19:28	01/06/25 15:58	1
Potassium	**5600**		500	110	ug/L		12/30/24 19:28	01/06/25 15:58	1
Selenium	<0.98		2.5	0.98	ug/L		12/30/24 19:28	01/06/25 15:58	1
Silver	<0.12		0.50	0.12	ug/L		12/30/24 19:28	01/06/25 15:58	1
Sodium	**76000**		200	77	ug/L		12/30/24 19:28	01/06/25 15:58	1
Strontium	**880**		4.0	0.64	ug/L		12/30/24 19:28	01/06/25 15:58	1
Thallium	<0.57		2.0	0.57	ug/L		12/30/24 19:28	01/06/25 15:58	1
Tin	<1.3		5.0	1.3	ug/L		01/07/25 14:48	01/08/25 12:04	1
Vanadium	<2.2		5.0	2.2	ug/L		12/30/24 19:28	01/06/25 15:58	1
Zinc	<6.9		20	6.9	ug/L		12/30/24 19:28	01/06/25 15:58	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261545-1

Client Sample ID: PRC-01_20241211

Date Collected: 12/11/24 16:00
Date Received: 12/13/24 09:20

Lab Sample ID: 500-261545-1

Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<25		100	25	ug/L		12/30/24 19:28	01/06/25 15:21	1
Antimony	<1.3		3.0	1.3	ug/L		01/07/25 14:48	01/08/25 11:46	1
Arsenic	**0.55**	**J**	1.0	0.23	ug/L		12/30/24 19:28	01/06/25 15:21	1
Barium	**140**		2.5	0.73	ug/L		12/30/24 19:28	01/06/25 15:21	1
Beryllium	<0.53		1.0	0.53	ug/L		12/30/24 19:28	01/06/25 15:21	1
Boron	**340**		50	13	ug/L		12/30/24 19:28	01/06/25 15:21	1
Cadmium	<0.17		0.50	0.17	ug/L		12/30/24 19:28	01/06/25 15:21	1
Calcium	**79000**		200	44	ug/L		12/30/24 19:28	01/06/25 15:21	1
Chromium	<1.1		5.0	1.1	ug/L		12/30/24 19:28	01/06/25 15:21	1
Cobalt	<0.40		1.0	0.40	ug/L		12/30/24 19:28	01/06/25 15:21	1
Copper	**21**		2.0	0.50	ug/L		12/30/24 19:28	01/06/25 15:21	1
Iron	<47		100	47	ug/L		12/30/24 19:28	01/06/25 15:21	1
Lead	<0.19		0.50	0.19	ug/L		12/30/24 19:28	01/06/25 15:21	1
Lithium	**39**		10	2.5	ug/L		12/30/24 19:28	01/06/25 15:21	1
Magnesium	**12000**		200	49	ug/L		12/30/24 19:28	01/06/25 15:21	1
Manganese	**71**		2.5	0.79	ug/L		12/30/24 19:28	01/06/25 15:21	1
Molybdenum	**48**		5.0	2.5	ug/L		12/30/24 19:28	01/06/25 15:21	1
Nickel	<0.63		2.0	0.63	ug/L		12/30/24 19:28	01/06/25 15:21	1
Potassium	**5500**		500	110	ug/L		12/30/24 19:28	01/06/25 15:21	1
Selenium	<0.98		2.5	0.98	ug/L		12/30/24 19:28	01/06/25 15:21	1
Silver	<0.12		0.50	0.12	ug/L		12/30/24 19:28	01/06/25 15:21	1
Sodium	**75000**		200	77	ug/L		12/30/24 19:28	01/06/25 15:21	1
Strontium	**880**		4.0	0.64	ug/L		12/30/24 19:28	01/06/25 15:21	1
Thallium	<0.57		2.0	0.57	ug/L		12/30/24 19:28	01/06/25 15:21	1
Tin	**2.3**	**J**	5.0	1.3	ug/L		01/07/25 14:48	01/08/25 11:46	1
Vanadium	<2.2		5.0	2.2	ug/L		12/30/24 19:28	01/06/25 15:21	1
Zinc	<6.9		20	6.9	ug/L		12/30/24 19:28	01/06/25 15:21	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**250**		0.91	0.46	mg/L		12/30/24 19:28	01/07/25 09:15	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	**1.5**		1.0	0.45	mg/L			12/13/24 11:25	1
Nitrate as N (EPA 300.0)	<0.37		1.0	0.37	mg/L			12/13/24 11:25	1
Chloride (EPA 300.0)	**190**		10	4.2	mg/L			01/02/25 20:22	10
Nitrite as N (EPA 300.0)	<0.25		1.0	0.25	mg/L			12/13/24 11:25	1
Fluoride (EPA 300.0)	<0.43		1.0	0.43	mg/L			12/13/24 11:25	1
Nitrate Nitrite as N (EPA 300.0)	<0.37		1.0	0.37	mg/L			12/13/24 11:25	1
Sulfate (EPA 300.0)	**34**		1.0	0.47	mg/L			12/13/24 11:25	1
Cyanide, Total (EPA 335.4)	<0.0036		0.0050	0.0036	mg/L		12/17/24 13:51	12/17/24 15:38	1
Ammonia (EPA 350.1)	<0.10		0.20	0.10	mg/L		01/02/25 11:32	01/03/25 12:54	1
Phosphorus as P (EPA 365.1)	<0.024		0.050	0.024	mg/L		12/16/24 09:29	12/19/24 13:40	1
Alkalinity (SM 2320B)	**100**	**B**	5.0	3.7	mg/L			12/20/24 13:10	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**100**	**B**	5.0	3.7	mg/L			12/20/24 13:10	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<3.7		5.0	3.7	mg/L			12/20/24 13:10	1
Salinity (SM 2520B)	<0.33		0.33	0.33	psu			01/06/25 08:16	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261545-1

Client Sample ID: PRC-01_20241211
Date Collected: 12/11/24 16:00
Date Received: 12/13/24 09:20

Lab Sample ID: 500-261545-1
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	550		10	4.3	mg/L			12/18/24 02:39	1
Total Suspended Solids (SM 2540D)	3.6	J	5.0	1.9	mg/L			12/18/24 12:59	1
Sulfide (SM 4500 S2 F)	0.94	J	1.0	0.23	mg/L			12/18/24 05:00	1
Total Organic Carbon (SM 5310C)	4.4		1.0	0.47	mg/L			12/19/24 09:55	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon (SM 5310C)	4.3		1.0	0.47	mg/L			12/29/24 09:55	1

Client Sample Results

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261545-1

Client Sample ID: PRC-01_20241211_FBLL
Date Collected: 12/11/24 16:00
Date Received: 12/13/24 09:20

Lab Sample ID: 500-261545-2
Matrix: Water

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.37	J	0.50	0.20	ng/L			12/30/24 18:35	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261545-1

Client Sample ID: ARC-03_20241211

Date Collected: 12/11/24 10:00
Date Received: 12/13/24 09:20

Lab Sample ID: 500-261545-3

Matrix: Water

Method: EPA 1630 - Methyl Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	**0.033**	**J B**	0.050	0.022	ng/L		12/27/24 11:42	12/27/24 22:19	1

Method: EPA 1630 - Methyl Mercury - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	**0.072**		0.050	0.022	ng/L		12/30/24 12:31	12/31/24 22:49	1

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**3.5**		0.50	0.20	ng/L			12/30/24 18:39	1

Method: EPA 1631E - Mercury, Low Level (CVAFS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**3.3**		0.50	0.20	ng/L			12/30/24 19:21	1

Method: EPA 1638 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.17**		0.050	0.0098	ug/L		01/07/25 12:01	01/07/25 19:41	1

Method: EPA 1638 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.14**		0.050	0.0098	ug/L		01/07/25 12:01	01/07/25 19:44	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**310**		100	25	ug/L		12/30/24 19:28	01/06/25 16:01	1
Antimony	<1.3		3.0	1.3	ug/L		01/07/25 14:48	01/08/25 12:12	1
Arsenic	**0.31**	**J**	1.0	0.23	ug/L		12/30/24 19:28	01/06/25 16:01	1
Barium	**38**		2.5	0.73	ug/L		12/30/24 19:28	01/06/25 16:01	1
Beryllium	<0.53		1.0	0.53	ug/L		12/30/24 19:28	01/06/25 16:01	1
Boron	**20**	**J**	50	13	ug/L		12/30/24 19:28	01/06/25 16:01	1
Cadmium	<0.17		0.50	0.17	ug/L		12/30/24 19:28	01/06/25 16:01	1
Calcium	**14000**		200	44	ug/L		12/30/24 19:28	01/06/25 16:01	1
Chromium	<1.1		5.0	1.1	ug/L		12/30/24 19:28	01/06/25 16:01	1
Cobalt	<0.40		1.0	0.40	ug/L		12/30/24 19:28	01/06/25 16:01	1
Copper	**6.8**		2.0	0.50	ug/L		12/30/24 19:28	01/06/25 16:01	1
Iron	**480**		100	47	ug/L		12/30/24 19:28	01/06/25 16:01	1
Lead	<0.19		0.50	0.19	ug/L		12/30/24 19:28	01/06/25 16:01	1
Lithium	<2.5		10	2.5	ug/L		12/30/24 19:28	01/06/25 16:01	1
Magnesium	**3600**		200	49	ug/L		12/30/24 19:28	01/06/25 16:01	1
Manganese	**8.8**		2.5	0.79	ug/L		12/30/24 19:28	01/06/25 16:01	1
Molybdenum	<2.5		5.0	2.5	ug/L		12/30/24 19:28	01/06/25 16:01	1
Nickel	<0.63		2.0	0.63	ug/L		12/30/24 19:28	01/06/25 16:01	1
Potassium	**1000**		500	110	ug/L		12/30/24 19:28	01/06/25 16:01	1
Selenium	<0.98		2.5	0.98	ug/L		12/30/24 19:28	01/06/25 16:01	1
Silver	<0.12		0.50	0.12	ug/L		12/30/24 19:28	01/06/25 16:01	1
Sodium	**3400**		200	77	ug/L		12/30/24 19:28	01/06/25 16:01	1
Strontium	**62**		4.0	0.64	ug/L		12/30/24 19:28	01/06/25 16:01	1
Thallium	<0.57		2.0	0.57	ug/L		12/30/24 19:28	01/06/25 16:01	1
Tin	<1.3		5.0	1.3	ug/L		01/07/25 14:48	01/08/25 12:12	1
Vanadium	<2.2		5.0	2.2	ug/L		12/30/24 19:28	01/06/25 16:01	1
Zinc	<6.9		20	6.9	ug/L		12/30/24 19:28	01/06/25 16:01	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261545-1

Client Sample ID: ARC-03_20241211

Date Collected: 12/11/24 10:00
Date Received: 12/13/24 09:20

Lab Sample ID: 500-261545-3

Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**59**	**J**	100	25	ug/L		12/30/24 19:28	01/06/25 15:38	1
Antimony	<1.3		3.0	1.3	ug/L		01/07/25 14:48	01/08/25 11:49	1
Arsenic	**0.26**	**J**	1.0	0.23	ug/L		12/30/24 19:28	01/06/25 15:38	1
Barium	**35**		2.5	0.73	ug/L		12/30/24 19:28	01/06/25 15:38	1
Beryllium	<0.53		1.0	0.53	ug/L		12/30/24 19:28	01/06/25 15:38	1
Boron	**33**	**J**	50	13	ug/L		12/30/24 19:28	01/06/25 15:38	1
Cadmium	<0.17		0.50	0.17	ug/L		12/30/24 19:28	01/06/25 15:38	1
Calcium	**14000**		200	44	ug/L		12/30/24 19:28	01/06/25 15:38	1
Chromium	<1.1		5.0	1.1	ug/L		12/30/24 19:28	01/06/25 15:38	1
Cobalt	<0.40		1.0	0.40	ug/L		12/30/24 19:28	01/06/25 15:38	1
Copper	**5.8**		2.0	0.50	ug/L		12/30/24 19:28	01/06/25 15:38	1
Iron	**230**		100	47	ug/L		12/30/24 19:28	01/06/25 15:38	1
Lead	<0.19		0.50	0.19	ug/L		12/30/24 19:28	01/06/25 15:38	1
Lithium	<2.5		10	2.5	ug/L		12/30/24 19:28	01/06/25 15:38	1
Magnesium	**3600**		200	49	ug/L		12/30/24 19:28	01/06/25 15:38	1
Manganese	**5.0**		2.5	0.79	ug/L		12/30/24 19:28	01/06/25 15:38	1
Molybdenum	<2.5		5.0	2.5	ug/L		12/30/24 19:28	01/06/25 15:38	1
Nickel	<0.63		2.0	0.63	ug/L		12/30/24 19:28	01/06/25 15:38	1
Potassium	**1000**		500	110	ug/L		12/30/24 19:28	01/06/25 15:38	1
Selenium	<0.98		2.5	0.98	ug/L		12/30/24 19:28	01/06/25 15:38	1
Silver	<0.12		0.50	0.12	ug/L		12/30/24 19:28	01/06/25 15:38	1
Sodium	**3500**		200	77	ug/L		12/30/24 19:28	01/06/25 15:38	1
Strontium	**62**		4.0	0.64	ug/L		12/30/24 19:28	01/06/25 15:38	1
Thallium	<0.57		2.0	0.57	ug/L		12/30/24 19:28	01/06/25 15:38	1
Tin	<1.3		5.0	1.3	ug/L		01/07/25 14:48	01/08/25 11:49	1
Vanadium	<2.2		5.0	2.2	ug/L		12/30/24 19:28	01/06/25 15:38	1
Zinc	<6.9		20	6.9	ug/L		12/30/24 19:28	01/06/25 15:38	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**50**		0.91	0.46	mg/L		12/30/24 19:28	01/07/25 09:15	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	<0.45		1.0	0.45	mg/L			12/13/24 12:43	1
Nitrate as N (EPA 300.0)	<0.37	H3	1.0	0.37	mg/L			12/13/24 12:43	1
Chloride (EPA 300.0)	**5.2**		1.0	0.42	mg/L			12/13/24 12:43	1
Nitrite as N (EPA 300.0)	<0.25	H3	1.0	0.25	mg/L			12/13/24 12:43	1
Fluoride (EPA 300.0)	<0.43		1.0	0.43	mg/L			12/13/24 12:43	1
Nitrate Nitrite as N (EPA 300.0)	<0.37	H3	1.0	0.37	mg/L			12/13/24 12:43	1
Sulfate (EPA 300.0)	**3.1**		1.0	0.47	mg/L			12/13/24 12:43	1
Cyanide, Total (EPA 335.4)	<0.0036		0.0050	0.0036	mg/L		12/17/24 13:51	12/17/24 15:39	1
Ammonia (EPA 350.1)	<0.10		0.20	0.10	mg/L		01/02/25 11:32	01/03/25 12:55	1
Phosphorus as P (EPA 365.1)	<0.024		0.050	0.024	mg/L		12/26/24 10:28	12/31/24 09:47	1
Alkalinity (SM 2320B)	**46**	**B**	5.0	3.7	mg/L			12/23/24 10:50	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**46**	**B**	5.0	3.7	mg/L			12/23/24 10:50	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<3.7		5.0	3.7	mg/L			12/23/24 10:50	1
Salinity (SM 2520B)	<0.33		0.33	0.33	psu			01/06/25 08:16	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261545-1

Client Sample ID: ARC-03_20241211
Date Collected: 12/11/24 10:00
Date Received: 12/13/24 09:20

Lab Sample ID: 500-261545-3
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**66**		10	4.3	mg/L			12/18/24 02:45	1
Total Suspended Solids (SM 2540D)	<1.9		5.0	1.9	mg/L			12/18/24 13:02	1
Sulfide (SM 4500 S2 F)	**1.2**		1.0	0.23	mg/L			12/18/24 05:05	1
Total Organic Carbon (SM 5310C)	**8.5**		1.0	0.47	mg/L			01/06/25 17:31	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon (SM 5310C)	**8.7**		1.0	0.47	mg/L			12/29/24 09:55	1

Client Sample Results

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261545-1

Client Sample ID: ARC-03_20241211_FBLL
Date Collected: 12/11/24 10:00
Date Received: 12/13/24 09:20

Lab Sample ID: 500-261545-4
Matrix: Water

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			12/30/24 18:43	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261545-1

Client Sample ID: PTC-01_20241211

Date Collected: 12/11/24 12:00
Date Received: 12/13/24 09:20

Lab Sample ID: 500-261545-5

Matrix: Water

Method: EPA 1630 - Methyl Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	**0.024**	**J**	0.050	0.022	ng/L		12/30/24 12:31	12/31/24 22:59	1

Method: EPA 1630 - Methyl Mercury - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	**0.028**	**J**	0.050	0.022	ng/L		12/30/24 12:31	12/31/24 23:09	1

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**1.1**		0.50	0.20	ng/L			12/30/24 18:48	1

Method: EPA 1631E - Mercury, Low Level (CVAFS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**1.0**		0.50	0.20	ng/L			12/30/24 19:25	1

Method: EPA 1638 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.19**		0.050	0.0098	ug/L		01/07/25 12:01	01/07/25 19:48	1

Method: EPA 1638 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.19**		0.050	0.0098	ug/L		01/07/25 12:01	01/07/25 19:51	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<25		100	25	ug/L		12/30/24 19:28	01/06/25 16:03	1
Antimony	<1.3		3.0	1.3	ug/L		01/07/25 14:48	01/08/25 12:14	1
Arsenic	<0.23		1.0	0.23	ug/L		12/30/24 19:28	01/06/25 16:03	1
Barium	**88**		2.5	0.73	ug/L		12/30/24 19:28	01/06/25 16:03	1
Beryllium	<0.53		1.0	0.53	ug/L		12/30/24 19:28	01/06/25 16:03	1
Boron	**61**		50	13	ug/L		12/30/24 19:28	01/06/25 16:03	1
Cadmium	<0.17		0.50	0.17	ug/L		12/30/24 19:28	01/06/25 16:03	1
Calcium	**25000**		200	44	ug/L		12/30/24 19:28	01/06/25 16:03	1
Chromium	<1.1		5.0	1.1	ug/L		12/30/24 19:28	01/06/25 16:03	1
Cobalt	<0.40		1.0	0.40	ug/L		12/30/24 19:28	01/06/25 16:03	1
Copper	**2.8**		2.0	0.50	ug/L		12/30/24 19:28	01/06/25 16:03	1
Iron	**110**		100	47	ug/L		12/30/24 19:28	01/06/25 16:03	1
Lead	**0.33**	**J**	0.50	0.19	ug/L		12/30/24 19:28	01/06/25 16:03	1
Lithium	**2.5**	**J**	10	2.5	ug/L		12/30/24 19:28	01/06/25 16:03	1
Magnesium	**5800**		200	49	ug/L		12/30/24 19:28	01/06/25 16:03	1
Manganese	**4.5**		2.5	0.79	ug/L		12/30/24 19:28	01/06/25 16:03	1
Molybdenum	<2.5		5.0	2.5	ug/L		12/30/24 19:28	01/06/25 16:03	1
Nickel	<0.63		2.0	0.63	ug/L		12/30/24 19:28	01/06/25 16:03	1
Potassium	**1400**		500	110	ug/L		12/30/24 19:28	01/06/25 16:03	1
Selenium	<0.98		2.5	0.98	ug/L		12/30/24 19:28	01/06/25 16:03	1
Silver	<0.12		0.50	0.12	ug/L		12/30/24 19:28	01/06/25 16:03	1
Sodium	**7000**		200	77	ug/L		12/30/24 19:28	01/06/25 16:03	1
Strontium	**130**		4.0	0.64	ug/L		12/30/24 19:28	01/06/25 16:03	1
Thallium	<0.57		2.0	0.57	ug/L		12/30/24 19:28	01/06/25 16:03	1
Tin	<1.3		5.0	1.3	ug/L		01/07/25 14:48	01/08/25 12:14	1
Vanadium	<2.2		5.0	2.2	ug/L		12/30/24 19:28	01/06/25 16:03	1
Zinc	<6.9		20	6.9	ug/L		12/30/24 19:28	01/06/25 16:03	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261545-1

Client Sample ID: PTC-01_20241211

Date Collected: 12/11/24 12:00
Date Received: 12/13/24 09:20

Lab Sample ID: 500-261545-5

Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<25		100	25	ug/L		12/30/24 19:28	01/06/25 15:41	1
Antimony	<1.3		3.0	1.3	ug/L		01/07/25 14:48	01/08/25 11:51	1
Arsenic	<0.23		1.0	0.23	ug/L		12/30/24 19:28	01/06/25 15:41	1
Barium	**86**		2.5	0.73	ug/L		12/30/24 19:28	01/06/25 15:41	1
Beryllium	<0.53		1.0	0.53	ug/L		12/30/24 19:28	01/06/25 15:41	1
Boron	**66**		50	13	ug/L		12/30/24 19:28	01/06/25 15:41	1
Cadmium	<0.17		0.50	0.17	ug/L		12/30/24 19:28	01/06/25 15:41	1
Calcium	**25000**		200	44	ug/L		12/30/24 19:28	01/06/25 15:41	1
Chromium	<1.1		5.0	1.1	ug/L		12/30/24 19:28	01/06/25 15:41	1
Cobalt	<0.40		1.0	0.40	ug/L		12/30/24 19:28	01/06/25 15:41	1
Copper	**2.6**		2.0	0.50	ug/L		12/30/24 19:28	01/06/25 15:41	1
Iron	**69**	**J**	100	47	ug/L		12/30/24 19:28	01/06/25 15:41	1
Lead	<0.19		0.50	0.19	ug/L		12/30/24 19:28	01/06/25 15:41	1
Lithium	**2.9**	**J**	10	2.5	ug/L		12/30/24 19:28	01/06/25 15:41	1
Magnesium	**5800**		200	49	ug/L		12/30/24 19:28	01/06/25 15:41	1
Manganese	**3.6**		2.5	0.79	ug/L		12/30/24 19:28	01/06/25 15:41	1
Molybdenum	<2.5		5.0	2.5	ug/L		12/30/24 19:28	01/06/25 15:41	1
Nickel	<0.63		2.0	0.63	ug/L		12/30/24 19:28	01/06/25 15:41	1
Potassium	**1300**		500	110	ug/L		12/30/24 19:28	01/06/25 15:41	1
Selenium	<0.98		2.5	0.98	ug/L		12/30/24 19:28	01/06/25 15:41	1
Silver	<0.12		0.50	0.12	ug/L		12/30/24 19:28	01/06/25 15:41	1
Sodium	**7000**		200	77	ug/L		12/30/24 19:28	01/06/25 15:41	1
Strontium	**130**		4.0	0.64	ug/L		12/30/24 19:28	01/06/25 15:41	1
Thallium	<0.57		2.0	0.57	ug/L		12/30/24 19:28	01/06/25 15:41	1
Tin	<1.3		5.0	1.3	ug/L		01/07/25 14:48	01/08/25 11:51	1
Vanadium	<2.2		5.0	2.2	ug/L		12/30/24 19:28	01/06/25 15:41	1
Zinc	<6.9		20	6.9	ug/L		12/30/24 19:28	01/06/25 15:41	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**86**		0.91	0.46	mg/L		12/30/24 19:28	01/07/25 09:15	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	<0.45		1.0	0.45	mg/L			12/13/24 10:53	1
Nitrate as N (EPA 300.0)	**0.37**	**J**	1.0	0.37	mg/L			12/13/24 10:53	1
Chloride (EPA 300.0)	**18**		1.0	0.42	mg/L			12/13/24 10:53	1
Nitrite as N (EPA 300.0)	<0.25		1.0	0.25	mg/L			12/13/24 10:53	1
Fluoride (EPA 300.0)	<0.43		1.0	0.43	mg/L			12/13/24 10:53	1
Nitrate Nitrite as N (EPA 300.0)	**0.37**	**J**	1.0	0.37	mg/L			12/13/24 10:53	1
Sulfate (EPA 300.0)	**3.1**		1.0	0.47	mg/L			12/13/24 10:53	1
Cyanide, Total (EPA 335.4)	<0.0036		0.0050	0.0036	mg/L		12/17/24 13:51	12/17/24 15:41	1
Ammonia (EPA 350.1)	<0.10		0.20	0.10	mg/L		01/02/25 11:32	01/03/25 12:55	1
Phosphorus as P (EPA 365.1)	<0.024		0.050	0.024	mg/L		12/26/24 10:28	12/31/24 09:46	1
Alkalinity (SM 2320B)	**72**	**B**	5.0	3.7	mg/L			12/20/24 13:26	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**72**	**B**	5.0	3.7	mg/L			12/20/24 13:26	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<3.7		5.0	3.7	mg/L			12/20/24 13:26	1
Salinity (SM 2520B)	<0.33		0.33	0.33	psu			01/06/25 08:16	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261545-1

Client Sample ID: PTC-01_20241211
Date Collected: 12/11/24 12:00
Date Received: 12/13/24 09:20

Lab Sample ID: 500-261545-5
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**120**		10	4.3	mg/L			12/18/24 02:47	1
Total Suspended Solids (SM 2540D)	<1.9		5.0	1.9	mg/L			12/18/24 13:05	1
Sulfide (SM 4500 S2 F)	**2.3**		1.0	0.23	mg/L			12/18/24 05:10	1
Total Organic Carbon (SM 5310C)	**5.1**		1.0	0.47	mg/L			01/06/25 17:59	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon (SM 5310C)	**5.1**		1.0	0.47	mg/L			12/29/24 09:55	1

Client Sample Results

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261545-1

Client Sample ID: PTC-01_20241211_FBLL
Date Collected: 12/11/24 12:00
Date Received: 12/13/24 09:20

Lab Sample ID: 500-261545-6
Matrix: Water

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			12/30/24 19:00	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261545-1

Client Sample ID: TBN-01_20241211

Date Collected: 12/11/24 11:05
Date Received: 12/13/24 09:20

Lab Sample ID: 500-261545-7

Matrix: Water

Method: EPA 1630 - Methyl Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		12/30/24 12:31	12/31/24 23:19	1

Method: EPA 1630 - Methyl Mercury - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		12/30/24 12:31	12/31/24 23:29	1

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**1.1**		0.50	0.20	ng/L			12/30/24 19:04	1

Method: EPA 1631E - Mercury, Low Level (CVAFS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.27**	**J**	0.50	0.20	ng/L			12/30/24 19:29	1

Method: EPA 1638 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.67**		0.050	0.0098	ug/L		01/07/25 12:01	01/07/25 19:55	1

Method: EPA 1638 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.68**		0.050	0.0098	ug/L		01/07/25 12:01	01/07/25 19:58	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**480**		100	25	ug/L		12/30/24 19:28	01/06/25 16:06	1
Antimony	<1.3		3.0	1.3	ug/L		01/07/25 14:48	01/08/25 12:17	1
Arsenic	**0.98**	**J**	1.0	0.23	ug/L		12/30/24 19:28	01/06/25 16:06	1
Barium	**100**		2.5	0.73	ug/L		12/30/24 19:28	01/06/25 16:06	1
Beryllium	<0.53		1.0	0.53	ug/L		12/30/24 19:28	01/06/25 16:06	1
Boron	**360**		50	13	ug/L		12/30/24 19:28	01/06/25 16:06	1
Cadmium	<0.17		0.50	0.17	ug/L		12/30/24 19:28	01/06/25 16:06	1
Calcium	**71000**		200	44	ug/L		12/30/24 19:28	01/06/25 16:06	1
Chromium	**1.7**	**J**	5.0	1.1	ug/L		12/30/24 19:28	01/06/25 16:06	1
Cobalt	**0.45**	**J**	1.0	0.40	ug/L		12/30/24 19:28	01/06/25 16:06	1
Copper	**120**		2.0	0.50	ug/L		12/30/24 19:28	01/06/25 16:06	1
Iron	**900**		100	47	ug/L		12/30/24 19:28	01/06/25 16:06	1
Lead	**0.39**	**J**	0.50	0.19	ug/L		12/30/24 19:28	01/06/25 16:06	1
Lithium	**41**		10	2.5	ug/L		12/30/24 19:28	01/06/25 16:06	1
Magnesium	**10000**		200	49	ug/L		12/30/24 19:28	01/06/25 16:06	1
Manganese	**32**		2.5	0.79	ug/L		12/30/24 19:28	01/06/25 16:06	1
Molybdenum	**53**		5.0	2.5	ug/L		12/30/24 19:28	01/06/25 16:06	1
Nickel	**1.1**	**J**	2.0	0.63	ug/L		12/30/24 19:28	01/06/25 16:06	1
Potassium	**7000**		500	110	ug/L		12/30/24 19:28	01/06/25 16:06	1
Selenium	<0.98		2.5	0.98	ug/L		12/30/24 19:28	01/06/25 16:06	1
Silver	<0.12		0.50	0.12	ug/L		12/30/24 19:28	01/06/25 16:06	1
Sodium	**75000**		200	77	ug/L		12/30/24 19:28	01/06/25 16:06	1
Strontium	**840**		4.0	0.64	ug/L		12/30/24 19:28	01/06/25 16:06	1
Thallium	<0.57		2.0	0.57	ug/L		12/30/24 19:28	01/06/25 16:06	1
Tin	<1.3		5.0	1.3	ug/L		01/07/25 14:48	01/08/25 12:17	1
Vanadium	<2.2		5.0	2.2	ug/L		12/30/24 19:28	01/06/25 16:06	1
Zinc	<6.9		20	6.9	ug/L		12/30/24 19:28	01/06/25 16:06	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261545-1

Client Sample ID: TBN-01_20241211

Date Collected: 12/11/24 11:05
Date Received: 12/13/24 09:20

Lab Sample ID: 500-261545-7

Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**55**	**J**	100	25	ug/L		12/30/24 19:28	01/06/25 15:43	1
Antimony	<1.3		3.0	1.3	ug/L		01/07/25 14:48	01/08/25 11:54	1
Arsenic	**0.84**	**J**	1.0	0.23	ug/L		12/30/24 19:28	01/06/25 15:43	1
Barium	**100**		2.5	0.73	ug/L		12/30/24 19:28	01/06/25 15:43	1
Beryllium	<0.53		1.0	0.53	ug/L		12/30/24 19:28	01/06/25 15:43	1
Boron	**360**		50	13	ug/L		12/30/24 19:28	01/06/25 15:43	1
Cadmium	<0.17		0.50	0.17	ug/L		12/30/24 19:28	01/06/25 15:43	1
Calcium	**72000**		200	44	ug/L		12/30/24 19:28	01/06/25 15:43	1
Chromium	<1.1		5.0	1.1	ug/L		12/30/24 19:28	01/06/25 15:43	1
Cobalt	<0.40		1.0	0.40	ug/L		12/30/24 19:28	01/06/25 15:43	1
Copper	**46**		2.0	0.50	ug/L		12/30/24 19:28	01/06/25 15:43	1
Iron	**99**	**J**	100	47	ug/L		12/30/24 19:28	01/06/25 15:43	1
Lead	<0.19		0.50	0.19	ug/L		12/30/24 19:28	01/06/25 15:43	1
Lithium	**40**		10	2.5	ug/L		12/30/24 19:28	01/06/25 15:43	1
Magnesium	**9900**		200	49	ug/L		12/30/24 19:28	01/06/25 15:43	1
Manganese	**20**		2.5	0.79	ug/L		12/30/24 19:28	01/06/25 15:43	1
Molybdenum	**56**		5.0	2.5	ug/L		12/30/24 19:28	01/06/25 15:43	1
Nickel	<0.63		2.0	0.63	ug/L		12/30/24 19:28	01/06/25 15:43	1
Potassium	**7000**		500	110	ug/L		12/30/24 19:28	01/06/25 15:43	1
Selenium	<0.98		2.5	0.98	ug/L		12/30/24 19:28	01/06/25 15:43	1
Silver	<0.12		0.50	0.12	ug/L		12/30/24 19:28	01/06/25 15:43	1
Sodium	**76000**		200	77	ug/L		12/30/24 19:28	01/06/25 15:43	1
Strontium	**850**		4.0	0.64	ug/L		12/30/24 19:28	01/06/25 15:43	1
Thallium	<0.57		2.0	0.57	ug/L		12/30/24 19:28	01/06/25 15:43	1
Tin	<1.3		5.0	1.3	ug/L		01/07/25 14:48	01/08/25 11:54	1
Vanadium	<2.2		5.0	2.2	ug/L		12/30/24 19:28	01/06/25 15:43	1
Zinc	<6.9		20	6.9	ug/L		12/30/24 19:28	01/06/25 15:43	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**220**		0.91	0.46	mg/L		12/30/24 19:28	01/07/25 09:15	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	**1.7**		1.0	0.45	mg/L			12/13/24 12:27	1
Nitrate as N (EPA 300.0)	<0.37	H	1.0	0.37	mg/L			12/13/24 12:27	1
Chloride (EPA 300.0)	**180**		10	4.2	mg/L			01/02/25 21:08	10
Nitrite as N (EPA 300.0)	<0.25	H	1.0	0.25	mg/L			12/13/24 12:27	1
Fluoride (EPA 300.0)	<0.43		1.0	0.43	mg/L			12/13/24 12:27	1
Nitrate Nitrite as N (EPA 300.0)	<0.37	H	1.0	0.37	mg/L			12/13/24 12:27	1
Sulfate (EPA 300.0)	**44**		1.0	0.47	mg/L			12/13/24 12:27	1
Cyanide, Total (EPA 335.4)	<0.0036		0.0050	0.0036	mg/L		12/17/24 13:51	12/17/24 15:43	1
Ammonia (EPA 350.1)	<0.10		0.20	0.10	mg/L		01/02/25 11:32	01/03/25 12:56	1
Phosphorus as P (EPA 365.1)	**0.041**	**J**	0.050	0.024	mg/L		12/26/24 10:28	12/31/24 09:46	1
Alkalinity (SM 2320B)	**98**	**B**	5.0	3.7	mg/L			12/20/24 13:36	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**98**	**B**	5.0	3.7	mg/L			12/20/24 13:36	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<3.7		5.0	3.7	mg/L			12/20/24 13:36	1
Salinity (SM 2520B)	<0.33		0.33	0.33	psu			01/06/25 08:16	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261545-1

Client Sample ID: TBN-01_20241211
Date Collected: 12/11/24 11:05
Date Received: 12/13/24 09:20

Lab Sample ID: 500-261545-7
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	520		10	4.3	mg/L			12/18/24 02:50	1
Total Suspended Solids (SM 2540D)	36		8.3	3.2	mg/L			12/18/24 13:08	1
Sulfide (SM 4500 S2 F)	0.64	J	1.0	0.23	mg/L			12/18/24 05:15	1
Total Organic Carbon (SM 5310C)	4.9		1.0	0.47	mg/L			01/06/25 18:27	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon (SM 5310C)	4.6		1.0	0.47	mg/L			12/29/24 09:55	1

Client Sample Results

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261545-1

Client Sample ID: TBN-01_20241211_FBLL
Date Collected: 12/11/24 11:05
Date Received: 12/13/24 09:20

Lab Sample ID: 500-261545-8
Matrix: Water

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.37	J	0.50	0.20	ng/L			12/30/24 19:08	1

Client Sample ID: BNW-01_20241211

Date Collected: 12/11/24 15:45
Date Received: 12/13/24 09:20

Lab Sample ID: 500-261545-9

Matrix: Water

Method: EPA 1630 - Methyl Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		12/31/24 12:13	01/01/25 04:56	1

Method: EPA 1630 - Methyl Mercury - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		12/30/24 12:31	12/31/24 23:40	1

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.65**		0.50	0.20	ng/L			12/30/24 19:12	1

Method: EPA 1631E - Mercury, Low Level (CVAFS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.26**	**J**	0.50	0.20	ng/L			12/30/24 19:33	1

Method: EPA 1638 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.10**		0.050	0.0098	ug/L		01/07/25 12:01	01/07/25 20:02	1

Method: EPA 1638 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.099**		0.050	0.0098	ug/L		01/07/25 12:01	01/07/25 20:05	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<25		100	25	ug/L		12/30/24 19:28	01/06/25 16:08	1
Antimony	<1.3		3.0	1.3	ug/L		01/07/25 14:48	01/08/25 12:19	1
Arsenic	**0.37**	**J**	1.0	0.23	ug/L		12/30/24 19:28	01/06/25 16:08	1
Barium	**28**		2.5	0.73	ug/L		12/30/24 19:28	01/06/25 16:08	1
Beryllium	<0.53		1.0	0.53	ug/L		12/30/24 19:28	01/06/25 16:08	1
Boron	**19**	**J**	50	13	ug/L		12/30/24 19:28	01/06/25 16:08	1
Cadmium	<0.17		0.50	0.17	ug/L		12/30/24 19:28	01/06/25 16:08	1
Calcium	**31000**		200	44	ug/L		12/30/24 19:28	01/06/25 16:08	1
Chromium	<1.1		5.0	1.1	ug/L		12/30/24 19:28	01/06/25 16:08	1
Cobalt	<0.40		1.0	0.40	ug/L		12/30/24 19:28	01/06/25 16:08	1
Copper	**1.5**	**J**	2.0	0.50	ug/L		12/30/24 19:28	01/06/25 16:08	1
Iron	**62**	**J**	100	47	ug/L		12/30/24 19:28	01/06/25 16:08	1
Lead	<0.19		0.50	0.19	ug/L		12/30/24 19:28	01/06/25 16:08	1
Lithium	<2.5		10	2.5	ug/L		12/30/24 19:28	01/06/25 16:08	1
Magnesium	**7500**		200	49	ug/L		12/30/24 19:28	01/06/25 16:08	1
Manganese	**4.2**		2.5	0.79	ug/L		12/30/24 19:28	01/06/25 16:08	1
Molybdenum	<2.5		5.0	2.5	ug/L		12/30/24 19:28	01/06/25 16:08	1
Nickel	<0.63		2.0	0.63	ug/L		12/30/24 19:28	01/06/25 16:08	1
Potassium	**540**		500	110	ug/L		12/30/24 19:28	01/06/25 16:08	1
Selenium	<0.98		2.5	0.98	ug/L		12/30/24 19:28	01/06/25 16:08	1
Silver	<0.12		0.50	0.12	ug/L		12/30/24 19:28	01/06/25 16:08	1
Sodium	**1700**		200	77	ug/L		12/30/24 19:28	01/06/25 16:08	1
Strontium	**87**		4.0	0.64	ug/L		12/30/24 19:28	01/06/25 16:08	1
Thallium	<0.57		2.0	0.57	ug/L		12/30/24 19:28	01/06/25 16:08	1
Tin	<1.3		5.0	1.3	ug/L		01/07/25 14:48	01/08/25 12:19	1
Vanadium	<2.2		5.0	2.2	ug/L		12/30/24 19:28	01/06/25 16:08	1
Zinc	<6.9		20	6.9	ug/L		12/30/24 19:28	01/06/25 16:08	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261545-1

Client Sample ID: BNW-01_20241211
Date Collected: 12/11/24 15:45
Date Received: 12/13/24 09:20

Lab Sample ID: 500-261545-9
Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<25		100	25	ug/L		12/30/24 19:28	01/06/25 15:46	1
Antimony	<1.3		3.0	1.3	ug/L		01/07/25 14:48	01/08/25 11:56	1
Arsenic	**0.33**	**J**	1.0	0.23	ug/L		12/30/24 19:28	01/06/25 15:46	1
Barium	**26**		2.5	0.73	ug/L		12/30/24 19:28	01/06/25 15:46	1
Beryllium	<0.53		1.0	0.53	ug/L		12/30/24 19:28	01/06/25 15:46	1
Boron	**19**	**J**	50	13	ug/L		12/30/24 19:28	01/06/25 15:46	1
Cadmium	<0.17		0.50	0.17	ug/L		12/30/24 19:28	01/06/25 15:46	1
Calcium	**29000**		200	44	ug/L		12/30/24 19:28	01/06/25 15:46	1
Chromium	<1.1		5.0	1.1	ug/L		12/30/24 19:28	01/06/25 15:46	1
Cobalt	<0.40		1.0	0.40	ug/L		12/30/24 19:28	01/06/25 15:46	1
Copper	**1.1**	**J**	2.0	0.50	ug/L		12/30/24 19:28	01/06/25 15:46	1
Iron	<47		100	47	ug/L		12/30/24 19:28	01/06/25 15:46	1
Lead	<0.19		0.50	0.19	ug/L		12/30/24 19:28	01/06/25 15:46	1
Lithium	<2.5		10	2.5	ug/L		12/30/24 19:28	01/06/25 15:46	1
Magnesium	**7100**		200	49	ug/L		12/30/24 19:28	01/06/25 15:46	1
Manganese	**13**		2.5	0.79	ug/L		12/30/24 19:28	01/06/25 15:46	1
Molybdenum	<2.5		5.0	2.5	ug/L		12/30/24 19:28	01/06/25 15:46	1
Nickel	<0.63		2.0	0.63	ug/L		12/30/24 19:28	01/06/25 15:46	1
Potassium	**750**		500	110	ug/L		12/30/24 19:28	01/06/25 15:46	1
Selenium	<0.98		2.5	0.98	ug/L		12/30/24 19:28	01/06/25 15:46	1
Silver	<0.12		0.50	0.12	ug/L		12/30/24 19:28	01/06/25 15:46	1
Sodium	**1600**		200	77	ug/L		12/30/24 19:28	01/06/25 15:46	1
Strontium	**82**		4.0	0.64	ug/L		12/30/24 19:28	01/06/25 15:46	1
Thallium	<0.57		2.0	0.57	ug/L		12/30/24 19:28	01/06/25 15:46	1
Tin	<1.3		5.0	1.3	ug/L		01/07/25 14:48	01/08/25 11:56	1
Vanadium	<2.2		5.0	2.2	ug/L		12/30/24 19:28	01/06/25 15:46	1
Zinc	<6.9		20	6.9	ug/L		12/30/24 19:28	01/06/25 15:46	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**110**		0.91	0.46	mg/L		12/30/24 19:28	01/07/25 09:15	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	<0.45		1.0	0.45	mg/L			12/13/24 11:40	1
Nitrate as N (EPA 300.0)	<0.37		1.0	0.37	mg/L			12/13/24 11:40	1
Chloride (EPA 300.0)	**1.6**		1.0	0.42	mg/L			12/13/24 11:40	1
Nitrite as N (EPA 300.0)	<0.25		1.0	0.25	mg/L			12/13/24 11:40	1
Fluoride (EPA 300.0)	<0.43		1.0	0.43	mg/L			12/13/24 11:40	1
Nitrate Nitrite as N (EPA 300.0)	<0.37		1.0	0.37	mg/L			12/13/24 11:40	1
Sulfate (EPA 300.0)	<0.47		1.0	0.47	mg/L			12/13/24 11:40	1
Cyanide, Total (EPA 335.4)	<0.0036		0.0050	0.0036	mg/L		12/17/24 13:51	12/17/24 15:45	1
Ammonia (EPA 350.1)	<0.10		0.20	0.10	mg/L		01/02/25 11:32	01/03/25 12:56	1
Phosphorus as P (EPA 365.1)	<0.024		0.050	0.024	mg/L		12/26/24 10:28	12/31/24 09:45	1
Alkalinity (SM 2320B)	**110**	**B**	5.0	3.7	mg/L			12/20/24 13:44	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**110**	**B**	5.0	3.7	mg/L			12/20/24 13:44	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<3.7		5.0	3.7	mg/L			12/20/24 13:44	1
Salinity (SM 2520B)	<0.33		0.33	0.33	psu			01/06/25 08:16	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261545-1

Client Sample ID: BNW-01_20241211
Date Collected: 12/11/24 15:45
Date Received: 12/13/24 09:20

Lab Sample ID: 500-261545-9
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	88		10	4.3	mg/L			12/18/24 02:52	1
Total Suspended Solids (SM 2540D)	2.0	J	5.0	1.9	mg/L			12/18/24 13:12	1
Sulfide (SM 4500 S2 F)	0.67	J	1.0	0.23	mg/L			12/18/24 05:20	1
Total Organic Carbon (SM 5310C)	6.0		1.0	0.47	mg/L			01/08/25 14:38	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon (SM 5310C)	6.0		1.0	0.47	mg/L			12/29/24 09:55	1

Client Sample Results

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261545-1

Client Sample ID: BNW-01_20241211_FBLL
Date Collected: 12/11/24 15:45
Date Received: 12/13/24 09:20

Lab Sample ID: 500-261545-10
Matrix: Water

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.42	J	0.50	0.20	ng/L			12/30/24 19:17	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261545-1

Client Sample ID: TBS-01_20241211

Date Collected: 12/11/24 10:20
Date Received: 12/13/24 09:20

Lab Sample ID: 500-261545-11

Matrix: Water

Method: EPA 1630 - Methyl Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	**0.037**	**J B**	0.050	0.022	ng/L		12/31/24 12:13	01/01/25 05:06	1

Method: EPA 1630 - Methyl Mercury - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		12/31/24 12:13	01/01/25 05:16	1

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**3.3**		0.50	0.20	ng/L			01/03/25 18:46	1

Method: EPA 1631E - Mercury, Low Level (CVAFS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.82**		0.50	0.20	ng/L			01/03/25 18:50	1

Method: EPA 1638 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.63**	**B**	0.050	0.0098	ug/L		01/07/25 12:01	01/08/25 12:25	1

Method: EPA 1638 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.33**	**B**	0.050	0.0098	ug/L		01/07/25 12:01	01/08/25 12:46	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**600**		100	25	ug/L		12/30/24 19:28	01/06/25 16:11	1
Antimony	<1.3		3.0	1.3	ug/L		01/07/25 14:48	01/08/25 12:22	1
Arsenic	**0.94**	**J**	1.0	0.23	ug/L		12/30/24 19:28	01/06/25 16:11	1
Barium	**86**		2.5	0.73	ug/L		12/30/24 19:28	01/06/25 16:11	1
Beryllium	<0.53		1.0	0.53	ug/L		12/30/24 19:28	01/06/25 16:11	1
Boron	**250**		50	13	ug/L		12/30/24 19:28	01/06/25 16:11	1
Cadmium	<0.17		0.50	0.17	ug/L		12/30/24 19:28	01/06/25 16:11	1
Calcium	**66000**		200	44	ug/L		12/30/24 19:28	01/06/25 16:11	1
Chromium	**1.4**	**J**	5.0	1.1	ug/L		12/30/24 19:28	01/06/25 16:11	1
Cobalt	**0.84**	**J**	1.0	0.40	ug/L		12/30/24 19:28	01/06/25 16:11	1
Copper	**290**		2.0	0.50	ug/L		12/30/24 19:28	01/06/25 16:11	1
Iron	**1600**		100	47	ug/L		12/30/24 19:28	01/06/25 16:11	1
Lead	**0.41**	**J**	0.50	0.19	ug/L		12/30/24 19:28	01/06/25 16:11	1
Lithium	**30**		10	2.5	ug/L		12/30/24 19:28	01/06/25 16:11	1
Magnesium	**6300**		200	49	ug/L		12/30/24 19:28	01/06/25 16:11	1
Manganese	**77**		2.5	0.79	ug/L		12/30/24 19:28	01/06/25 16:11	1
Molybdenum	<2.5		5.0	2.5	ug/L		12/30/24 19:28	01/06/25 16:11	1
Nickel	**1.3**	**J**	2.0	0.63	ug/L		12/30/24 19:28	01/06/25 16:11	1
Potassium	**5100**		500	110	ug/L		12/30/24 19:28	01/06/25 16:11	1
Selenium	<0.98		2.5	0.98	ug/L		12/30/24 19:28	01/06/25 16:11	1
Silver	<0.12		0.50	0.12	ug/L		12/30/24 19:28	01/06/25 16:11	1
Sodium	**46000**		200	77	ug/L		12/30/24 19:28	01/06/25 16:11	1
Strontium	**750**		4.0	0.64	ug/L		12/30/24 19:28	01/06/25 16:11	1
Thallium	<0.57		2.0	0.57	ug/L		12/30/24 19:28	01/06/25 16:11	1
Tin	<1.3		5.0	1.3	ug/L		01/07/25 14:48	01/08/25 12:22	1
Vanadium	**2.6**	**J**	5.0	2.2	ug/L		12/30/24 19:28	01/06/25 16:11	1
Zinc	**7.8**	**J**	20	6.9	ug/L		12/30/24 19:28	01/06/25 16:11	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261545-1

Client Sample ID: TBS-01_20241211

Date Collected: 12/11/24 10:20
Date Received: 12/13/24 09:20

Lab Sample ID: 500-261545-11

Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<25		100	25	ug/L		12/30/24 19:28	01/06/25 15:48	1
Antimony	<1.3		3.0	1.3	ug/L		01/07/25 14:48	01/08/25 11:59	1
Arsenic	**0.64**	**J**	1.0	0.23	ug/L		12/30/24 19:28	01/06/25 15:48	1
Barium	**72**		2.5	0.73	ug/L		12/30/24 19:28	01/06/25 15:48	1
Beryllium	<0.53		1.0	0.53	ug/L		12/30/24 19:28	01/06/25 15:48	1
Boron	**240**		50	13	ug/L		12/30/24 19:28	01/06/25 15:48	1
Cadmium	<0.17		0.50	0.17	ug/L		12/30/24 19:28	01/06/25 15:48	1
Calcium	**63000**		200	44	ug/L		12/30/24 19:28	01/06/25 15:48	1
Chromium	<1.1		5.0	1.1	ug/L		12/30/24 19:28	01/06/25 15:48	1
Cobalt	<0.40		1.0	0.40	ug/L		12/30/24 19:28	01/06/25 15:48	1
Copper	**25**		2.0	0.50	ug/L		12/30/24 19:28	01/06/25 15:48	1
Iron	<47		100	47	ug/L		12/30/24 19:28	01/06/25 15:48	1
Lead	<0.19		0.50	0.19	ug/L		12/30/24 19:28	01/06/25 15:48	1
Lithium	**28**		10	2.5	ug/L		12/30/24 19:28	01/06/25 15:48	1
Magnesium	**5900**		200	49	ug/L		12/30/24 19:28	01/06/25 15:48	1
Manganese	**43**		2.5	0.79	ug/L		12/30/24 19:28	01/06/25 15:48	1
Molybdenum	**4.6**	**J**	5.0	2.5	ug/L		12/30/24 19:28	01/06/25 15:48	1
Nickel	<0.63		2.0	0.63	ug/L		12/30/24 19:28	01/06/25 15:48	1
Potassium	**5000**		500	110	ug/L		12/30/24 19:28	01/06/25 15:48	1
Selenium	<0.98		2.5	0.98	ug/L		12/30/24 19:28	01/06/25 15:48	1
Silver	<0.12		0.50	0.12	ug/L		12/30/24 19:28	01/06/25 15:48	1
Sodium	**46000**		200	77	ug/L		12/30/24 19:28	01/06/25 15:48	1
Strontium	**710**		4.0	0.64	ug/L		12/30/24 19:28	01/06/25 15:48	1
Thallium	<0.57		2.0	0.57	ug/L		12/30/24 19:28	01/06/25 15:48	1
Tin	<1.3		5.0	1.3	ug/L		01/07/25 14:48	01/08/25 11:59	1
Vanadium	<2.2		5.0	2.2	ug/L		12/30/24 19:28	01/06/25 15:48	1
Zinc	<6.9		20	6.9	ug/L		12/30/24 19:28	01/06/25 15:48	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**190**		0.91	0.46	mg/L		12/30/24 19:28	01/07/25 09:15	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	**0.83**	**J**	1.0	0.45	mg/L			12/13/24 13:46	1
Nitrate as N (EPA 300.0)	<0.37	H	1.0	0.37	mg/L			12/13/24 13:46	1
Chloride (EPA 300.0)	**110**		10	4.2	mg/L			01/02/25 21:24	10
Nitrite as N (EPA 300.0)	<0.25	H	1.0	0.25	mg/L			12/13/24 13:46	1
Fluoride (EPA 300.0)	<0.43		1.0	0.43	mg/L			12/13/24 13:46	1
Nitrate Nitrite as N (EPA 300.0)	<0.37	H	1.0	0.37	mg/L			12/13/24 13:46	1
Sulfate (EPA 300.0)	**24**		1.0	0.47	mg/L			12/13/24 13:46	1
Cyanide, Total (EPA 335.4)	<0.0036		0.0050	0.0036	mg/L		12/17/24 13:51	12/17/24 15:46	1
Ammonia (EPA 350.1)	<0.10		0.20	0.10	mg/L		01/02/25 11:32	01/03/25 12:57	1
Phosphorus as P (EPA 365.1)	**0.14**		0.050	0.024	mg/L		12/26/24 10:28	12/31/24 09:45	1
Alkalinity (SM 2320B)	**99**	**B**	5.0	3.7	mg/L			12/20/24 13:53	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**99**	**B**	5.0	3.7	mg/L			12/20/24 13:53	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<3.7		5.0	3.7	mg/L			12/20/24 13:53	1
Salinity (SM 2520B)	<0.33		0.33	0.33	psu			01/06/25 08:16	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261545-1

Client Sample ID: TBS-01_20241211
Date Collected: 12/11/24 10:20
Date Received: 12/13/24 09:20

Lab Sample ID: 500-261545-11
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	350		10	4.3	mg/L			12/18/24 02:55	1
Total Suspended Solids (SM 2540D)	120		25	9.7	mg/L			12/18/24 13:15	1
Sulfide (SM 4500 S2 F)	1.5		1.0	0.23	mg/L			12/18/24 05:24	1
Total Organic Carbon (SM 5310C)	7.7		1.0	0.47	mg/L			01/06/25 18:55	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon (SM 5310C)	6.3		1.0	0.47	mg/L			12/29/24 09:55	1

Client Sample Results

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261545-1

Client Sample ID: TBS-01_20241211_FBLL

Date Collected: 12/11/24 10:20
Date Received: 12/13/24 09:20

Lab Sample ID: 500-261545-12

Matrix: Water

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.22	J	0.50	0.20	ng/L			01/03/25 18:54	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261545-1

Client Sample ID: BNC-01_20241211

Date Collected: 12/11/24 12:35
Date Received: 12/13/24 09:20

Lab Sample ID: 500-261545-13

Matrix: Water

Method: EPA 1630 - Methyl Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	0.10	B	0.050	0.022	ng/L		12/31/24 12:13	01/01/25 05:26	1

Method: EPA 1630 - Methyl Mercury - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		12/31/24 12:13	01/01/25 05:36	1

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	12		0.50	0.20	ng/L			01/03/25 18:59	1

Method: EPA 1631E - Mercury, Low Level (CVAFS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	1.3		0.50	0.20	ng/L			01/03/25 19:03	1

Method: EPA 1638 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	0.16	B	0.050	0.0098	ug/L		01/07/25 12:01	01/08/25 12:49	1

Method: EPA 1638 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	0.011	J B	0.050	0.0098	ug/L		01/07/25 12:01	01/08/25 12:53	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	190		100	25	ug/L		12/30/24 19:28	01/06/25 16:13	1
Antimony	<1.3		3.0	1.3	ug/L		01/07/25 14:48	01/08/25 12:24	1
Arsenic	0.43	J	1.0	0.23	ug/L		12/30/24 19:28	01/06/25 16:13	1
Barium	150		2.5	0.73	ug/L		12/30/24 19:28	01/06/25 16:13	1
Beryllium	<0.53		1.0	0.53	ug/L		12/30/24 19:28	01/06/25 16:13	1
Boron	26	J	50	13	ug/L		12/30/24 19:28	01/06/25 16:13	1
Cadmium	0.44	J	0.50	0.17	ug/L		12/30/24 19:28	01/06/25 16:13	1
Calcium	20000		200	44	ug/L		12/30/24 19:28	01/06/25 16:13	1
Chromium	<1.1		5.0	1.1	ug/L		12/30/24 19:28	01/06/25 16:13	1
Cobalt	<0.40		1.0	0.40	ug/L		12/30/24 19:28	01/06/25 16:13	1
Copper	37		2.0	0.50	ug/L		12/30/24 19:28	01/06/25 16:13	1
Iron	6800		100	47	ug/L		12/30/24 19:28	01/06/25 16:13	1
Lead	0.45	J	0.50	0.19	ug/L		12/30/24 19:28	01/06/25 16:13	1
Lithium	2.5	J	10	2.5	ug/L		12/30/24 19:28	01/06/25 16:13	1
Magnesium	3500		200	49	ug/L		12/30/24 19:28	01/06/25 16:13	1
Manganese	1200		2.5	0.79	ug/L		12/30/24 19:28	01/06/25 16:13	1
Molybdenum	<2.5		5.0	2.5	ug/L		12/30/24 19:28	01/06/25 16:13	1
Nickel	<0.63		2.0	0.63	ug/L		12/30/24 19:28	01/06/25 16:13	1
Potassium	1700		500	110	ug/L		12/30/24 19:28	01/06/25 16:13	1
Selenium	<0.98		2.5	0.98	ug/L		12/30/24 19:28	01/06/25 16:13	1
Silver	<0.12		0.50	0.12	ug/L		12/30/24 19:28	01/06/25 16:13	1
Sodium	5000		200	77	ug/L		12/30/24 19:28	01/06/25 16:13	1
Strontium	88		4.0	0.64	ug/L		12/30/24 19:28	01/06/25 16:13	1
Thallium	<0.57		2.0	0.57	ug/L		12/30/24 19:28	01/06/25 16:13	1
Tin	<1.3		5.0	1.3	ug/L		01/07/25 14:48	01/08/25 12:24	1
Vanadium	<2.2		5.0	2.2	ug/L		12/30/24 19:28	01/06/25 16:13	1
Zinc	14	J	20	6.9	ug/L		12/30/24 19:28	01/06/25 16:13	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261545-1

Client Sample ID: BNC-01_20241211

Date Collected: 12/11/24 12:35
Date Received: 12/13/24 09:20

Lab Sample ID: 500-261545-13

Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<25		100	25	ug/L		12/30/24 19:28	01/06/25 15:51	1
Antimony	<1.3		3.0	1.3	ug/L		01/07/25 14:48	01/08/25 12:01	1
Arsenic	**0.26**	**J**	1.0	0.23	ug/L		12/30/24 19:28	01/06/25 15:51	1
Barium	**55**		2.5	0.73	ug/L		12/30/24 19:28	01/06/25 15:51	1
Beryllium	<0.53		1.0	0.53	ug/L		12/30/24 19:28	01/06/25 15:51	1
Boron	**26**	**J**	50	13	ug/L		12/30/24 19:28	01/06/25 15:51	1
Cadmium	<0.17		0.50	0.17	ug/L		12/30/24 19:28	01/06/25 15:51	1
Calcium	**17000**		200	44	ug/L		12/30/24 19:28	01/06/25 15:51	1
Chromium	<1.1		5.0	1.1	ug/L		12/30/24 19:28	01/06/25 15:51	1
Cobalt	<0.40		1.0	0.40	ug/L		12/30/24 19:28	01/06/25 15:51	1
Copper	**4.6**		2.0	0.50	ug/L		12/30/24 19:28	01/06/25 15:51	1
Iron	**64**	**J**	100	47	ug/L		12/30/24 19:28	01/06/25 15:51	1
Lead	<0.19		0.50	0.19	ug/L		12/30/24 19:28	01/06/25 15:51	1
Lithium	**2.8**	**J**	10	2.5	ug/L		12/30/24 19:28	01/06/25 15:51	1
Magnesium	**3300**		200	49	ug/L		12/30/24 19:28	01/06/25 15:51	1
Manganese	**65**		2.5	0.79	ug/L		12/30/24 19:28	01/06/25 15:51	1
Molybdenum	<2.5		5.0	2.5	ug/L		12/30/24 19:28	01/06/25 15:51	1
Nickel	**1.1**	**J**	2.0	0.63	ug/L		12/30/24 19:28	01/06/25 15:51	1
Potassium	**1600**		500	110	ug/L		12/30/24 19:28	01/06/25 15:51	1
Selenium	<0.98		2.5	0.98	ug/L		12/30/24 19:28	01/06/25 15:51	1
Silver	<0.12		0.50	0.12	ug/L		12/30/24 19:28	01/06/25 15:51	1
Sodium	**5100**		200	77	ug/L		12/30/24 19:28	01/06/25 15:51	1
Strontium	**71**		4.0	0.64	ug/L		12/30/24 19:28	01/06/25 15:51	1
Thallium	<0.57		2.0	0.57	ug/L		12/30/24 19:28	01/06/25 15:51	1
Tin	<1.3		5.0	1.3	ug/L		01/07/25 14:48	01/08/25 12:01	1
Vanadium	<2.2		5.0	2.2	ug/L		12/30/24 19:28	01/06/25 15:51	1
Zinc	<6.9		20	6.9	ug/L		12/30/24 19:28	01/06/25 15:51	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**64**		0.91	0.46	mg/L		12/30/24 19:28	01/07/25 09:15	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	<0.45		1.0	0.45	mg/L			12/13/24 11:09	1
Nitrate as N (EPA 300.0)	<0.37		1.0	0.37	mg/L			12/13/24 11:09	1
Chloride (EPA 300.0)	**13**		1.0	0.42	mg/L			12/13/24 11:09	1
Nitrite as N (EPA 300.0)	<0.25		1.0	0.25	mg/L			12/13/24 11:09	1
Fluoride (EPA 300.0)	<0.43		1.0	0.43	mg/L			12/13/24 11:09	1
Nitrate Nitrite as N (EPA 300.0)	<0.37		1.0	0.37	mg/L			12/13/24 11:09	1
Sulfate (EPA 300.0)	<0.47		1.0	0.47	mg/L			12/13/24 11:09	1
Cyanide, Total (EPA 335.4)	<0.0036		0.0050	0.0036	mg/L		12/17/24 13:51	12/17/24 15:48	1
Ammonia (EPA 350.1)	<0.10		0.20	0.10	mg/L		01/02/25 11:32	01/03/25 12:57	1
Phosphorus as P (EPA 365.1)	**0.25**		0.050	0.024	mg/L		12/26/24 10:28	12/31/24 09:45	1
Alkalinity (SM 2320B)	**50**		5.0	3.7	mg/L			12/20/24 14:13	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**50**		5.0	3.7	mg/L			12/20/24 14:13	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<3.7		5.0	3.7	mg/L			12/20/24 14:13	1
Salinity (SM 2520B)	<0.33		0.33	0.33	psu			01/06/25 08:16	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261545-1

Client Sample ID: BNC-01_20241211
Date Collected: 12/11/24 12:35
Date Received: 12/13/24 09:20

Lab Sample ID: 500-261545-13
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	76		10	4.3	mg/L			12/18/24 02:58	1
Total Suspended Solids (SM 2540D)	160		25	9.7	mg/L			12/18/24 13:18	1
Sulfide (SM 4500 S2 F)	5.3		1.0	0.23	mg/L			12/18/24 05:29	1
Total Organic Carbon (SM 5310C)	13		1.0	0.47	mg/L			01/06/25 19:23	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon (SM 5310C)	9.8		1.0	0.47	mg/L			12/29/24 09:55	1

Client Sample Results

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261545-1

Client Sample ID: BNC-01_20241210_FBLL
Date Collected: 12/11/24 12:35
Date Received: 12/13/24 09:20

Lab Sample ID: 500-261545-14
Matrix: Water

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.49	J	0.50	0.20	ng/L			01/03/25 19:15	1

Definitions/Glossary

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261545-1

Qualifiers

Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
H	Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.
H3	Sample was received and analyzed past holding time. This does not meet regulatory requirements.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Metals

Prep Batch: 4137

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261545-1	PRC-01_20241211	Dissolved	Water	1630	
500-261545-1	PRC-01_20241211	Total/NA	Water	1630	
500-261545-3	ARC-03_20241211	Total/NA	Water	1630	
MB 350-4137/1-A	Method Blank	Total/NA	Water	1630	
MB 350-4137/2-A	Method Blank	Total/NA	Water	1630	
MB 350-4137/3-A	Method Blank	Total/NA	Water	1630	
LCS 350-4137/4-A	Lab Control Sample	Total/NA	Water	1630	
LCSD 350-4137/5-A	Lab Control Sample Dup	Total/NA	Water	1630	

Prep Batch: 4172

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261545-3	ARC-03_20241211	Dissolved	Water	1630	
500-261545-5	PTC-01_20241211	Dissolved	Water	1630	
500-261545-5	PTC-01_20241211	Total/NA	Water	1630	
500-261545-7	TBN-01_20241211	Dissolved	Water	1630	
500-261545-7	TBN-01_20241211	Total/NA	Water	1630	
500-261545-9	BNW-01_20241211	Dissolved	Water	1630	
MB 350-4172/1-A	Method Blank	Total/NA	Water	1630	
MB 350-4172/2-A	Method Blank	Total/NA	Water	1630	
MB 350-4172/3-A	Method Blank	Total/NA	Water	1630	
LCS 350-4172/4-A	Lab Control Sample	Total/NA	Water	1630	
LCSD 350-4172/5-A	Lab Control Sample Dup	Total/NA	Water	1630	

Analysis Batch: 4177

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261545-1	PRC-01_20241211	Dissolved	Water	1630	4137
500-261545-1	PRC-01_20241211	Total/NA	Water	1630	4137
500-261545-3	ARC-03_20241211	Total/NA	Water	1630	4137
MB 350-4137/1-A	Method Blank	Total/NA	Water	1630	4137
MB 350-4137/2-A	Method Blank	Total/NA	Water	1630	4137
MB 350-4137/3-A	Method Blank	Total/NA	Water	1630	4137
LCS 350-4137/4-A	Lab Control Sample	Total/NA	Water	1630	4137
LCSD 350-4137/5-A	Lab Control Sample Dup	Total/NA	Water	1630	4137

Prep Batch: 4206

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261545-9	BNW-01_20241211	Total/NA	Water	1630	
500-261545-11	TBS-01_20241211	Dissolved	Water	1630	
500-261545-11	TBS-01_20241211	Total/NA	Water	1630	
500-261545-13	BNC-01_20241211	Dissolved	Water	1630	
500-261545-13	BNC-01_20241211	Total/NA	Water	1630	
MB 350-4206/1-A	Method Blank	Total/NA	Water	1630	
MB 350-4206/2-A	Method Blank	Total/NA	Water	1630	
MB 350-4206/3-A	Method Blank	Total/NA	Water	1630	
LCS 350-4206/4-A	Lab Control Sample	Total/NA	Water	1630	
LCSD 350-4206/5-A	Lab Control Sample Dup	Total/NA	Water	1630	

Analysis Batch: 4226

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261545-1	PRC-01_20241211	Dissolved	Water	1631E	
500-261545-1	PRC-01_20241211	Total/NA	Water	1631E	

Metals (Continued)

Analysis Batch: 4226 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261545-2	PRC-01_20241211_FBLL	Total/NA	Water	1631E	
500-261545-3	ARC-03_20241211	Dissolved	Water	1631E	
500-261545-3	ARC-03_20241211	Total/NA	Water	1631E	
500-261545-4	ARC-03_20241211_FBLL	Total/NA	Water	1631E	
500-261545-5	PTC-01_20241211	Dissolved	Water	1631E	
500-261545-5	PTC-01_20241211	Total/NA	Water	1631E	
500-261545-6	PTC-01_20241211_FBLL	Total/NA	Water	1631E	
500-261545-7	TBN-01_20241211	Dissolved	Water	1631E	
500-261545-7	TBN-01_20241211	Total/NA	Water	1631E	
500-261545-8	TBN-01_20241211_FBLL	Total/NA	Water	1631E	
500-261545-9	BNW-01_20241211	Dissolved	Water	1631E	
500-261545-9	BNW-01_20241211	Total/NA	Water	1631E	
500-261545-10	BNW-01_20241211_FBLL	Total/NA	Water	1631E	
MB 350-4226/17	Method Blank	Total/NA	Water	1631E	
MB 350-4226/18	Method Blank	Total/NA	Water	1631E	
MB 350-4226/19	Method Blank	Total/NA	Water	1631E	
MB 350-4226/20	Method Blank	Total/NA	Water	1631E	
MB 350-4226/23	Method Blank	Total/NA	Water	1631E	
MB 350-4226/24	Method Blank	Total/NA	Water	1631E	
MB 350-4226/25	Method Blank	Total/NA	Water	1631E	
MB 350-4226/26	Method Blank	Total/NA	Water	1631E	
MB 350-4226/27	Method Blank	Total/NA	Water	1631E	
LCS 350-4226/37	Lab Control Sample	Total/NA	Water	1631E	
LCS 350-4226/43	Lab Control Sample	Total/NA	Water	1631E	
LCS 350-4226/51	Lab Control Sample	Total/NA	Water	1631E	
LCSD 350-4226/38	Lab Control Sample Dup	Total/NA	Water	1631E	
LCSD 350-4226/44	Lab Control Sample Dup	Total/NA	Water	1631E	
LCSD 350-4226/52	Lab Control Sample Dup	Total/NA	Water	1631E	

Analysis Batch: 4243

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261545-3	ARC-03_20241211	Dissolved	Water	1630	4172
500-261545-5	PTC-01_20241211	Dissolved	Water	1630	4172
500-261545-5	PTC-01_20241211	Total/NA	Water	1630	4172
500-261545-7	TBN-01_20241211	Dissolved	Water	1630	4172
500-261545-7	TBN-01_20241211	Total/NA	Water	1630	4172
500-261545-9	BNW-01_20241211	Dissolved	Water	1630	4172
500-261545-9	BNW-01_20241211	Total/NA	Water	1630	4206
500-261545-11	TBS-01_20241211	Dissolved	Water	1630	4206
500-261545-11	TBS-01_20241211	Total/NA	Water	1630	4206
500-261545-13	BNC-01_20241211	Dissolved	Water	1630	4206
500-261545-13	BNC-01_20241211	Total/NA	Water	1630	4206
MB 350-4172/1-A	Method Blank	Total/NA	Water	1630	4172
MB 350-4172/2-A	Method Blank	Total/NA	Water	1630	4172
MB 350-4172/3-A	Method Blank	Total/NA	Water	1630	4172
MB 350-4206/1-A	Method Blank	Total/NA	Water	1630	4206
MB 350-4206/2-A	Method Blank	Total/NA	Water	1630	4206
MB 350-4206/3-A	Method Blank	Total/NA	Water	1630	4206
LCS 350-4172/4-A	Lab Control Sample	Total/NA	Water	1630	4172
LCS 350-4206/4-A	Lab Control Sample	Total/NA	Water	1630	4206
LCSD 350-4172/5-A	Lab Control Sample Dup	Total/NA	Water	1630	4172

Metals (Continued)

Analysis Batch: 4243 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 350-4206/5-A	Lab Control Sample Dup	Total/NA	Water	1630	4206

Analysis Batch: 4286

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261545-11	TBS-01_20241211	Dissolved	Water	1631E	
500-261545-11	TBS-01_20241211	Total/NA	Water	1631E	
500-261545-12	TBS-01_20241211_FBLL	Total/NA	Water	1631E	
500-261545-13	BNC-01_20241211	Dissolved	Water	1631E	
500-261545-13	BNC-01_20241211	Total/NA	Water	1631E	
500-261545-14	BNC-01_20241210_FBLL	Total/NA	Water	1631E	
MB 350-4286/16	Method Blank	Total/NA	Water	1631E	
MB 350-4286/17	Method Blank	Total/NA	Water	1631E	
MB 350-4286/18	Method Blank	Total/NA	Water	1631E	
LCS 350-4286/27	Lab Control Sample	Total/NA	Water	1631E	
LCSD 350-4286/28	Lab Control Sample Dup	Total/NA	Water	1631E	

Prep Batch: 4315

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261545-1	PRC-01_20241211	Dissolved	Water	1638	
500-261545-1	PRC-01_20241211	Total Recoverable	Water	1638	
500-261545-3	ARC-03_20241211	Dissolved	Water	1638	
500-261545-3	ARC-03_20241211	Total Recoverable	Water	1638	
500-261545-5	PTC-01_20241211	Dissolved	Water	1638	
500-261545-5	PTC-01_20241211	Total Recoverable	Water	1638	
500-261545-7	TBN-01_20241211	Dissolved	Water	1638	
500-261545-7	TBN-01_20241211	Total Recoverable	Water	1638	
500-261545-9	BNW-01_20241211	Dissolved	Water	1638	
500-261545-9	BNW-01_20241211	Total Recoverable	Water	1638	
MB 350-4315/1-A	Method Blank	Total Recoverable	Water	1638	
MB 350-4315/2-A	Method Blank	Total Recoverable	Water	1638	
LCS 350-4315/3-A	Lab Control Sample	Total Recoverable	Water	1638	
LCSD 350-4315/4-A	Lab Control Sample Dup	Total Recoverable	Water	1638	
500-261545-1 MS	PRC-01_20241211	Total Recoverable	Water	1638	
500-261545-1 MSD	PRC-01_20241211	Total Recoverable	Water	1638	

Prep Batch: 4316

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261545-11	TBS-01_20241211	Dissolved	Water	1638	
500-261545-11	TBS-01_20241211	Total Recoverable	Water	1638	
500-261545-13	BNC-01_20241211	Dissolved	Water	1638	
500-261545-13	BNC-01_20241211	Total Recoverable	Water	1638	
MB 350-4316/1-A	Method Blank	Total Recoverable	Water	1638	
MB 350-4316/2-A	Method Blank	Total Recoverable	Water	1638	
LCS 350-4316/3-A	Lab Control Sample	Total Recoverable	Water	1638	
LCSD 350-4316/4-A	Lab Control Sample Dup	Total Recoverable	Water	1638	
500-261545-11 MS	TBS-01_20241211	Total Recoverable	Water	1638	
500-261545-11 MSD	TBS-01_20241211	Total Recoverable	Water	1638	

Analysis Batch: 4340

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261545-1	PRC-01_20241211	Dissolved	Water	1638	4315

Metals (Continued)

Analysis Batch: 4340 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261545-1	PRC-01_20241211	Total Recoverable	Water	1638	4315
500-261545-3	ARC-03_20241211	Dissolved	Water	1638	4315
500-261545-3	ARC-03_20241211	Total Recoverable	Water	1638	4315
500-261545-5	PTC-01_20241211	Dissolved	Water	1638	4315
500-261545-5	PTC-01_20241211	Total Recoverable	Water	1638	4315
500-261545-7	TBN-01_20241211	Dissolved	Water	1638	4315
500-261545-7	TBN-01_20241211	Total Recoverable	Water	1638	4315
500-261545-9	BNW-01_20241211	Dissolved	Water	1638	4315
500-261545-9	BNW-01_20241211	Total Recoverable	Water	1638	4315
MB 350-4315/1-A	Method Blank	Total Recoverable	Water	1638	4315
MB 350-4315/2-A	Method Blank	Total Recoverable	Water	1638	4315
LCS 350-4315/3-A	Lab Control Sample	Total Recoverable	Water	1638	4315
LCSD 350-4315/4-A	Lab Control Sample Dup	Total Recoverable	Water	1638	4315
500-261545-1 MS	PRC-01_20241211	Total Recoverable	Water	1638	4315
500-261545-1 MSD	PRC-01_20241211	Total Recoverable	Water	1638	4315

Analysis Batch: 4360

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261545-11	TBS-01_20241211	Dissolved	Water	1638	4316
500-261545-11	TBS-01_20241211	Total Recoverable	Water	1638	4316
500-261545-13	BNC-01_20241211	Dissolved	Water	1638	4316
500-261545-13	BNC-01_20241211	Total Recoverable	Water	1638	4316
MB 350-4316/1-A	Method Blank	Total Recoverable	Water	1638	4316
MB 350-4316/2-A	Method Blank	Total Recoverable	Water	1638	4316
LCS 350-4316/3-A	Lab Control Sample	Total Recoverable	Water	1638	4316
LCSD 350-4316/4-A	Lab Control Sample Dup	Total Recoverable	Water	1638	4316
500-261545-11 MS	TBS-01_20241211	Total Recoverable	Water	1638	4316
500-261545-11 MSD	TBS-01_20241211	Total Recoverable	Water	1638	4316

Prep Batch: 801167

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261545-1	PRC-01_20241211	Dissolved	Water	3005A	
500-261545-1	PRC-01_20241211	Total Recoverable	Water	3005A	
500-261545-3	ARC-03_20241211	Dissolved	Water	3005A	
500-261545-3	ARC-03_20241211	Total Recoverable	Water	3005A	
500-261545-5	PTC-01_20241211	Dissolved	Water	3005A	
500-261545-5	PTC-01_20241211	Total Recoverable	Water	3005A	
500-261545-7	TBN-01_20241211	Dissolved	Water	3005A	
500-261545-7	TBN-01_20241211	Total Recoverable	Water	3005A	
500-261545-9	BNW-01_20241211	Dissolved	Water	3005A	
500-261545-9	BNW-01_20241211	Total Recoverable	Water	3005A	
500-261545-11	TBS-01_20241211	Dissolved	Water	3005A	
500-261545-11	TBS-01_20241211	Total Recoverable	Water	3005A	
500-261545-13	BNC-01_20241211	Dissolved	Water	3005A	
500-261545-13	BNC-01_20241211	Total Recoverable	Water	3005A	
MB 500-801167/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 500-801167/3-A	Lab Control Sample	Total Recoverable	Water	3005A	
500-261545-1 MS	PRC-01_20241211	Dissolved	Water	3005A	
500-261545-1 MSD	PRC-01_20241211	Dissolved	Water	3005A	
500-261545-1 DU	PRC-01_20241211	Dissolved	Water	3005A	

QC Association Summary

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261545-1

Metals

Analysis Batch: 801920

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261545-1	PRC-01_20241211	Dissolved	Water	6020B	801167
500-261545-1	PRC-01_20241211	Total Recoverable	Water	6020B	801167
500-261545-3	ARC-03_20241211	Dissolved	Water	6020B	801167
500-261545-3	ARC-03_20241211	Total Recoverable	Water	6020B	801167
500-261545-5	PTC-01_20241211	Dissolved	Water	6020B	801167
500-261545-5	PTC-01_20241211	Total Recoverable	Water	6020B	801167
500-261545-7	TBN-01_20241211	Dissolved	Water	6020B	801167
500-261545-7	TBN-01_20241211	Total Recoverable	Water	6020B	801167
500-261545-9	BNW-01_20241211	Dissolved	Water	6020B	801167
500-261545-9	BNW-01_20241211	Total Recoverable	Water	6020B	801167
500-261545-11	TBS-01_20241211	Dissolved	Water	6020B	801167
500-261545-11	TBS-01_20241211	Total Recoverable	Water	6020B	801167
500-261545-13	BNC-01_20241211	Dissolved	Water	6020B	801167
500-261545-13	BNC-01_20241211	Total Recoverable	Water	6020B	801167
MB 500-801167/1-A	Method Blank	Total Recoverable	Water	6020B	801167
LCS 500-801167/3-A	Lab Control Sample	Total Recoverable	Water	6020B	801167
500-261545-1 MS	PRC-01_20241211	Dissolved	Water	6020B	801167
500-261545-1 MSD	PRC-01_20241211	Dissolved	Water	6020B	801167
500-261545-1 DU	PRC-01_20241211	Dissolved	Water	6020B	801167

Analysis Batch: 801941

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261545-1	PRC-01_20241211	Total Recoverable	Water	SM 2340B	801167
500-261545-3	ARC-03_20241211	Total Recoverable	Water	SM 2340B	801167
500-261545-5	PTC-01_20241211	Total Recoverable	Water	SM 2340B	801167
500-261545-7	TBN-01_20241211	Total Recoverable	Water	SM 2340B	801167
500-261545-9	BNW-01_20241211	Total Recoverable	Water	SM 2340B	801167
500-261545-11	TBS-01_20241211	Total Recoverable	Water	SM 2340B	801167
500-261545-13	BNC-01_20241211	Total Recoverable	Water	SM 2340B	801167

Prep Batch: 801999

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261545-1	PRC-01_20241211	Dissolved	Water	3005A	
500-261545-1	PRC-01_20241211	Total Recoverable	Water	3005A	
500-261545-3	ARC-03_20241211	Dissolved	Water	3005A	
500-261545-3	ARC-03_20241211	Total Recoverable	Water	3005A	
500-261545-5	PTC-01_20241211	Dissolved	Water	3005A	
500-261545-5	PTC-01_20241211	Total Recoverable	Water	3005A	
500-261545-7	TBN-01_20241211	Dissolved	Water	3005A	
500-261545-7	TBN-01_20241211	Total Recoverable	Water	3005A	
500-261545-9	BNW-01_20241211	Dissolved	Water	3005A	
500-261545-9	BNW-01_20241211	Total Recoverable	Water	3005A	
500-261545-11	TBS-01_20241211	Dissolved	Water	3005A	
500-261545-11	TBS-01_20241211	Total Recoverable	Water	3005A	
500-261545-13	BNC-01_20241211	Dissolved	Water	3005A	
500-261545-13	BNC-01_20241211	Total Recoverable	Water	3005A	
MB 500-801999/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 500-801999/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

QC Association Summary

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261545-1

Metals

Analysis Batch: 802167

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261545-1	PRC-01_20241211	Dissolved	Water	6020B	801999
500-261545-1	PRC-01_20241211	Total Recoverable	Water	6020B	801999
500-261545-3	ARC-03_20241211	Dissolved	Water	6020B	801999
500-261545-3	ARC-03_20241211	Total Recoverable	Water	6020B	801999
500-261545-5	PTC-01_20241211	Dissolved	Water	6020B	801999
500-261545-5	PTC-01_20241211	Total Recoverable	Water	6020B	801999
500-261545-7	TBN-01_20241211	Dissolved	Water	6020B	801999
500-261545-7	TBN-01_20241211	Total Recoverable	Water	6020B	801999
500-261545-9	BNW-01_20241211	Dissolved	Water	6020B	801999
500-261545-9	BNW-01_20241211	Total Recoverable	Water	6020B	801999
500-261545-11	TBS-01_20241211	Dissolved	Water	6020B	801999
500-261545-11	TBS-01_20241211	Total Recoverable	Water	6020B	801999
500-261545-13	BNC-01_20241211	Dissolved	Water	6020B	801999
500-261545-13	BNC-01_20241211	Total Recoverable	Water	6020B	801999
MB 500-801999/1-A	Method Blank	Total Recoverable	Water	6020B	801999
LCS 500-801999/2-A	Lab Control Sample	Total Recoverable	Water	6020B	801999

General Chemistry

Analysis Batch: 799308

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261545-1	PRC-01_20241211	Total/NA	Water	300.0	
500-261545-3	ARC-03_20241211	Total/NA	Water	300.0	
500-261545-5	PTC-01_20241211	Total/NA	Water	300.0	
500-261545-7	TBN-01_20241211	Total/NA	Water	300.0	
500-261545-9	BNW-01_20241211	Total/NA	Water	300.0	
500-261545-11	TBS-01_20241211	Total/NA	Water	300.0	
500-261545-13	BNC-01_20241211	Total/NA	Water	300.0	
MB 500-799308/3	Method Blank	Total/NA	Water	300.0	
LCS 500-799308/4	Lab Control Sample	Total/NA	Water	300.0	
500-261545-9 MS	BNW-01_20241211	Total/NA	Water	300.0	
500-261545-9 MSD	BNW-01_20241211	Total/NA	Water	300.0	

Analysis Batch: 799309

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261545-1	PRC-01_20241211	Total/NA	Water	300.0	
500-261545-3	ARC-03_20241211	Total/NA	Water	300.0	
500-261545-5	PTC-01_20241211	Total/NA	Water	300.0	
500-261545-7	TBN-01_20241211	Total/NA	Water	300.0	
500-261545-9	BNW-01_20241211	Total/NA	Water	300.0	
500-261545-11	TBS-01_20241211	Total/NA	Water	300.0	
500-261545-13	BNC-01_20241211	Total/NA	Water	300.0	
MB 500-799309/3	Method Blank	Total/NA	Water	300.0	
LCS 500-799309/4	Lab Control Sample	Total/NA	Water	300.0	
500-261545-9 MS	BNW-01_20241211	Total/NA	Water	300.0	
500-261545-9 MSD	BNW-01_20241211	Total/NA	Water	300.0	

Prep Batch: 799544

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261545-1	PRC-01_20241211	Total/NA	Water	365.2/365.3/365	
MB 500-799544/1-A	Method Blank	Total/NA	Water	365.2/365.3/365	

General Chemistry (Continued)

Prep Batch: 799544 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 500-799544/2-A	Lab Control Sample	Total/NA	Water	365.2/365.3/365	

Prep Batch: 799792

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261545-1	PRC-01_20241211	Total/NA	Water	Distill/CN	
500-261545-3	ARC-03_20241211	Total/NA	Water	Distill/CN	
500-261545-5	PTC-01_20241211	Total/NA	Water	Distill/CN	
500-261545-7	TBN-01_20241211	Total/NA	Water	Distill/CN	
500-261545-9	BNW-01_20241211	Total/NA	Water	Distill/CN	
500-261545-11	TBS-01_20241211	Total/NA	Water	Distill/CN	
500-261545-13	BNC-01_20241211	Total/NA	Water	Distill/CN	
MB 500-799792/1-A	Method Blank	Total/NA	Water	Distill/CN	
LCS 500-799792/2-A	Lab Control Sample	Total/NA	Water	Distill/CN	

Analysis Batch: 799834

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261545-1	PRC-01_20241211	Total/NA	Water	SM 2540C	
500-261545-3	ARC-03_20241211	Total/NA	Water	SM 2540C	
500-261545-5	PTC-01_20241211	Total/NA	Water	SM 2540C	
500-261545-7	TBN-01_20241211	Total/NA	Water	SM 2540C	
500-261545-9	BNW-01_20241211	Total/NA	Water	SM 2540C	
500-261545-11	TBS-01_20241211	Total/NA	Water	SM 2540C	
500-261545-13	BNC-01_20241211	Total/NA	Water	SM 2540C	
MB 500-799834/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-799834/2	Lab Control Sample	Total/NA	Water	SM 2540C	
500-261545-1 DU	PRC-01_20241211	Total/NA	Water	SM 2540C	

Analysis Batch: 799838

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261545-1	PRC-01_20241211	Total/NA	Water	335.4	799792
500-261545-3	ARC-03_20241211	Total/NA	Water	335.4	799792
500-261545-5	PTC-01_20241211	Total/NA	Water	335.4	799792
500-261545-7	TBN-01_20241211	Total/NA	Water	335.4	799792
500-261545-9	BNW-01_20241211	Total/NA	Water	335.4	799792
500-261545-11	TBS-01_20241211	Total/NA	Water	335.4	799792
500-261545-13	BNC-01_20241211	Total/NA	Water	335.4	799792
MB 500-799792/1-A	Method Blank	Total/NA	Water	335.4	799792
LCS 500-799792/2-A	Lab Control Sample	Total/NA	Water	335.4	799792

Analysis Batch: 799920

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261545-1	PRC-01_20241211	Total/NA	Water	SM 4500 S2 F	
500-261545-3	ARC-03_20241211	Total/NA	Water	SM 4500 S2 F	
500-261545-5	PTC-01_20241211	Total/NA	Water	SM 4500 S2 F	
500-261545-7	TBN-01_20241211	Total/NA	Water	SM 4500 S2 F	
500-261545-9	BNW-01_20241211	Total/NA	Water	SM 4500 S2 F	
500-261545-11	TBS-01_20241211	Total/NA	Water	SM 4500 S2 F	
500-261545-13	BNC-01_20241211	Total/NA	Water	SM 4500 S2 F	
MB 500-799920/1	Method Blank	Total/NA	Water	SM 4500 S2 F	
LCS 500-799920/2	Lab Control Sample	Total/NA	Water	SM 4500 S2 F	

General Chemistry

Analysis Batch: 799951

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261545-1	PRC-01_20241211	Total/NA	Water	SM 2540D	
500-261545-3	ARC-03_20241211	Total/NA	Water	SM 2540D	
500-261545-5	PTC-01_20241211	Total/NA	Water	SM 2540D	
500-261545-7	TBN-01_20241211	Total/NA	Water	SM 2540D	
500-261545-9	BNW-01_20241211	Total/NA	Water	SM 2540D	
500-261545-11	TBS-01_20241211	Total/NA	Water	SM 2540D	
500-261545-13	BNC-01_20241211	Total/NA	Water	SM 2540D	
MB 500-799951/1	Method Blank	Total/NA	Water	SM 2540D	
LCS 500-799951/2	Lab Control Sample	Total/NA	Water	SM 2540D	

Analysis Batch: 800190

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261545-1	PRC-01_20241211	Total/NA	Water	365.1	799544
MB 500-799544/1-A	Method Blank	Total/NA	Water	365.1	799544
LCS 500-799544/2-A	Lab Control Sample	Total/NA	Water	365.1	799544

Analysis Batch: 800212

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261545-1	PRC-01_20241211	Total/NA	Water	SM 5310C	
MB 500-800212/35	Method Blank	Total/NA	Water	SM 5310C	
LCS 500-800212/36	Lab Control Sample	Total/NA	Water	SM 5310C	
500-261545-1 MS	PRC-01_20241211	Total/NA	Water	SM 5310C	
500-261545-1 MSD	PRC-01_20241211	Total/NA	Water	SM 5310C	

Analysis Batch: 800446

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261545-1	PRC-01_20241211	Total/NA	Water	SM 2320B	
500-261545-5	PTC-01_20241211	Total/NA	Water	SM 2320B	
500-261545-7	TBN-01_20241211	Total/NA	Water	SM 2320B	
500-261545-9	BNW-01_20241211	Total/NA	Water	SM 2320B	
500-261545-11	TBS-01_20241211	Total/NA	Water	SM 2320B	
500-261545-13	BNC-01_20241211	Total/NA	Water	SM 2320B	
MB 500-800446/28	Method Blank	Total/NA	Water	SM 2320B	
MB 500-800446/53	Method Blank	Total/NA	Water	SM 2320B	
LCS 500-800446/29	Lab Control Sample	Total/NA	Water	SM 2320B	
LCS 500-800446/4	Lab Control Sample	Total/NA	Water	SM 2320B	

Prep Batch: 800754

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261545-3	ARC-03_20241211	Total/NA	Water	365.2/365.3/365	
500-261545-5	PTC-01_20241211	Total/NA	Water	365.2/365.3/365	
500-261545-7	TBN-01_20241211	Total/NA	Water	365.2/365.3/365	
500-261545-9	BNW-01_20241211	Total/NA	Water	365.2/365.3/365	
500-261545-11	TBS-01_20241211	Total/NA	Water	365.2/365.3/365	
500-261545-13	BNC-01_20241211	Total/NA	Water	365.2/365.3/365	
MB 500-800754/1-A	Method Blank	Total/NA	Water	365.2/365.3/365	
LCS 500-800754/2-A	Lab Control Sample	Total/NA	Water	365.2/365.3/365	

Analysis Batch: 800995

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261545-1	PRC-01_20241211	Dissolved	Water	SM 5310C	

General Chemistry (Continued)

Analysis Batch: 800995 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261545-3	ARC-03_20241211	Dissolved	Water	SM 5310C	
500-261545-5	PTC-01_20241211	Dissolved	Water	SM 5310C	
500-261545-7	TBN-01_20241211	Dissolved	Water	SM 5310C	
500-261545-9	BNW-01_20241211	Dissolved	Water	SM 5310C	
500-261545-11	TBS-01_20241211	Dissolved	Water	SM 5310C	
500-261545-13	BNC-01_20241211	Dissolved	Water	SM 5310C	
MB 500-800995/31	Method Blank	Dissolved	Water	SM 5310C	
MB 500-800995/7	Method Blank	Dissolved	Water	SM 5310C	
LCS 500-800995/32	Lab Control Sample	Dissolved	Water	SM 5310C	
LCS 500-800995/8	Lab Control Sample	Dissolved	Water	SM 5310C	

Analysis Batch: 801026

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261545-3	ARC-03_20241211	Total/NA	Water	SM 2320B	
MB 500-801026/28	Method Blank	Total/NA	Water	SM 2320B	
MB 500-801026/53	Method Blank	Total/NA	Water	SM 2320B	
LCS 500-801026/4	Lab Control Sample	Total/NA	Water	SM 2320B	

Analysis Batch: 801248

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261545-3	ARC-03_20241211	Total/NA	Water	365.1	800754
500-261545-5	PTC-01_20241211	Total/NA	Water	365.1	800754
500-261545-7	TBN-01_20241211	Total/NA	Water	365.1	800754
500-261545-9	BNW-01_20241211	Total/NA	Water	365.1	800754
500-261545-11	TBS-01_20241211	Total/NA	Water	365.1	800754
500-261545-13	BNC-01_20241211	Total/NA	Water	365.1	800754
MB 500-800754/1-A	Method Blank	Total/NA	Water	365.1	800754
LCS 500-800754/2-A	Lab Control Sample	Total/NA	Water	365.1	800754

Prep Batch: 801391

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261545-1	PRC-01_20241211	Total/NA	Water	Distill/Ammonia	
500-261545-3	ARC-03_20241211	Total/NA	Water	Distill/Ammonia	
500-261545-5	PTC-01_20241211	Total/NA	Water	Distill/Ammonia	
500-261545-7	TBN-01_20241211	Total/NA	Water	Distill/Ammonia	
500-261545-9	BNW-01_20241211	Total/NA	Water	Distill/Ammonia	
500-261545-11	TBS-01_20241211	Total/NA	Water	Distill/Ammonia	
500-261545-13	BNC-01_20241211	Total/NA	Water	Distill/Ammonia	
MB 500-801391/1-A	Method Blank	Total/NA	Water	Distill/Ammonia	
LCS 500-801391/2-A	Lab Control Sample	Total/NA	Water	Distill/Ammonia	

Analysis Batch: 801397

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261545-1	PRC-01_20241211	Total/NA	Water	300.0	
500-261545-7	TBN-01_20241211	Total/NA	Water	300.0	
500-261545-11	TBS-01_20241211	Total/NA	Water	300.0	
MB 500-801397/3	Method Blank	Total/NA	Water	300.0	
LCS 500-801397/4	Lab Control Sample	Total/NA	Water	300.0	
500-261545-1 MS	PRC-01_20241211	Total/NA	Water	300.0	
500-261545-1 MSD	PRC-01_20241211	Total/NA	Water	300.0	

QC Association Summary

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261545-1

General Chemistry

Analysis Batch: 801667

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261545-1	PRC-01_20241211	Total/NA	Water	350.1	801391
500-261545-3	ARC-03_20241211	Total/NA	Water	350.1	801391
500-261545-5	PTC-01_20241211	Total/NA	Water	350.1	801391
500-261545-7	TBN-01_20241211	Total/NA	Water	350.1	801391
500-261545-9	BNW-01_20241211	Total/NA	Water	350.1	801391
500-261545-11	TBS-01_20241211	Total/NA	Water	350.1	801391
500-261545-13	BNC-01_20241211	Total/NA	Water	350.1	801391
MB 500-801391/1-A	Method Blank	Total/NA	Water	350.1	801391
LCS 500-801391/2-A	Lab Control Sample	Total/NA	Water	350.1	801391

Analysis Batch: 801731

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261545-1	PRC-01_20241211	Total/NA	Water	SM 2520B	
500-261545-3	ARC-03_20241211	Total/NA	Water	SM 2520B	
500-261545-5	PTC-01_20241211	Total/NA	Water	SM 2520B	
500-261545-7	TBN-01_20241211	Total/NA	Water	SM 2520B	
500-261545-9	BNW-01_20241211	Total/NA	Water	SM 2520B	
500-261545-11	TBS-01_20241211	Total/NA	Water	SM 2520B	
500-261545-13	BNC-01_20241211	Total/NA	Water	SM 2520B	
500-261545-11 DU	TBS-01_20241211	Total/NA	Water	SM 2520B	

Analysis Batch: 801887

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261545-3	ARC-03_20241211	Total/NA	Water	SM 5310C	
500-261545-5	PTC-01_20241211	Total/NA	Water	SM 5310C	
500-261545-7	TBN-01_20241211	Total/NA	Water	SM 5310C	
500-261545-11	TBS-01_20241211	Total/NA	Water	SM 5310C	
500-261545-13	BNC-01_20241211	Total/NA	Water	SM 5310C	
MB 500-801887/7	Method Blank	Total/NA	Water	SM 5310C	
LCS 500-801887/8	Lab Control Sample	Total/NA	Water	SM 5310C	

Analysis Batch: 802206

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261545-9	BNW-01_20241211	Total/NA	Water	SM 5310C	
MB 500-802206/7	Method Blank	Total/NA	Water	SM 5310C	
LCS 500-802206/8	Lab Control Sample	Total/NA	Water	SM 5310C	
500-261545-9 MS	BNW-01_20241211	Total/NA	Water	SM 5310C	
500-261545-9 MSD	BNW-01_20241211	Total/NA	Water	SM 5310C	

Method: 1630 - Methyl Mercury

Lab Sample ID: MB 350-4137/1-A
Matrix: Water
Analysis Batch: 4177

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 4137

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	0.0223	J	0.050	0.022	ng/L		12/27/24 11:42	12/27/24 16:11	1

Lab Sample ID: MB 350-4137/2-A
Matrix: Water
Analysis Batch: 4177

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 4137

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		12/27/24 11:42	12/27/24 16:21	1

Lab Sample ID: MB 350-4137/3-A
Matrix: Water
Analysis Batch: 4177

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 4137

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		12/27/24 11:42	12/27/24 16:32	1

Lab Sample ID: LCS 350-4137/4-A
Matrix: Water
Analysis Batch: 4177

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 4137

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Methyl Mercury	1.00	0.835		ng/L		83	65 - 135

Lab Sample ID: LCSD 350-4137/5-A
Matrix: Water
Analysis Batch: 4177

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 4137

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Methyl Mercury	1.00	0.863		ng/L		86	65 - 135	3	35

Lab Sample ID: MB 350-4172/1-A
Matrix: Water
Analysis Batch: 4243

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 4172

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		12/30/24 12:31	12/31/24 19:45	1

Lab Sample ID: MB 350-4172/2-A
Matrix: Water
Analysis Batch: 4243

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 4172

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		12/30/24 12:31	12/31/24 19:55	1

Lab Sample ID: MB 350-4172/3-A
Matrix: Water
Analysis Batch: 4243

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 4172

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		12/30/24 12:31	12/31/24 20:06	1

Method: 1630 - Methyl Mercury

Lab Sample ID: LCS 350-4172/4-A
Matrix: Water
Analysis Batch: 4243

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 4172

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Methyl Mercury	1.00	0.830		ng/L		83	65 - 135

Lab Sample ID: LCSD 350-4172/5-A
Matrix: Water
Analysis Batch: 4243

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 4172

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Methyl Mercury	1.00	0.727		ng/L		73	65 - 135	13	35

Lab Sample ID: MB 350-4206/1-A
Matrix: Water
Analysis Batch: 4243

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 4206

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	0.0232	J	0.050	0.022	ng/L		12/31/24 12:13	12/31/24 20:36	1

Lab Sample ID: MB 350-4206/2-A
Matrix: Water
Analysis Batch: 4243

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 4206

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		12/31/24 12:13	12/31/24 20:46	1

Lab Sample ID: MB 350-4206/3-A
Matrix: Water
Analysis Batch: 4243

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 4206

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		12/31/24 12:13	12/31/24 20:56	1

Lab Sample ID: LCS 350-4206/4-A
Matrix: Water
Analysis Batch: 4243

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 4206

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Methyl Mercury	1.00	1.02		ng/L		102	65 - 135

Lab Sample ID: LCSD 350-4206/5-A
Matrix: Water
Analysis Batch: 4243

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 4206

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Methyl Mercury	1.00	1.01		ng/L		101	65 - 135	1	35

Method: 1631E - Mercury, Low Level (CVAFS)

Lab Sample ID: MB 350-4226/17
Matrix: Water
Analysis Batch: 4226

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			12/30/24 12:47	1

Lab Sample ID: MB 350-4226/18
Matrix: Water
Analysis Batch: 4226

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			12/30/24 12:51	1

Lab Sample ID: MB 350-4226/19
Matrix: Water
Analysis Batch: 4226

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			12/30/24 12:55	1

Lab Sample ID: MB 350-4226/20
Matrix: Water
Analysis Batch: 4226

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			12/30/24 12:59	1

Lab Sample ID: MB 350-4226/23
Matrix: Water
Analysis Batch: 4226

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			12/30/24 13:11	1

Lab Sample ID: MB 350-4226/24
Matrix: Water
Analysis Batch: 4226

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			12/30/24 13:16	1

Lab Sample ID: MB 350-4226/25
Matrix: Water
Analysis Batch: 4226

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			12/30/24 13:20	1

Lab Sample ID: MB 350-4226/26
Matrix: Water
Analysis Batch: 4226

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			12/30/24 13:24	1

Method: 1631E - Mercury, Low Level (CVAFS)

Lab Sample ID: MB 350-4226/27
Matrix: Water
Analysis Batch: 4226

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			12/30/24 13:28	1

Lab Sample ID: LCS 350-4226/37
Matrix: Water
Analysis Batch: 4226

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	5.00	4.55		ng/L		91	77 - 123

Lab Sample ID: LCS 350-4226/43
Matrix: Water
Analysis Batch: 4226

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	5.00	4.46		ng/L		89	77 - 123

Lab Sample ID: LCS 350-4226/51
Matrix: Water
Analysis Batch: 4226

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	5.00	4.74		ng/L		95	77 - 123

Lab Sample ID: LCSD 350-4226/38
Matrix: Water
Analysis Batch: 4226

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	5.00	4.58		ng/L		92	77 - 123	1	24

Lab Sample ID: LCSD 350-4226/44
Matrix: Water
Analysis Batch: 4226

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	5.00	4.53		ng/L		91	77 - 123	2	24

Lab Sample ID: LCSD 350-4226/52
Matrix: Water
Analysis Batch: 4226

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	5.00	4.61		ng/L		92	77 - 123	3	24

Lab Sample ID: MB 350-4286/16
Matrix: Water
Analysis Batch: 4286

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			01/03/25 15:27	1

Method: 1631E - Mercury, Low Level (CVAFS)

Lab Sample ID: MB 350-4286/17
Matrix: Water
Analysis Batch: 4286

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			01/03/25 15:31	1

Lab Sample ID: MB 350-4286/18
Matrix: Water
Analysis Batch: 4286

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			01/03/25 15:35	1

Lab Sample ID: LCS 350-4286/27
Matrix: Water
Analysis Batch: 4286

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	5.00	4.80		ng/L		96	77 - 123

Lab Sample ID: LCSD 350-4286/28
Matrix: Water
Analysis Batch: 4286

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	5.00	4.81		ng/L		96	77 - 123	0	24

Method: 1638 - Metals (ICP/MS)

Lab Sample ID: MB 350-4315/1-A
Matrix: Water
Analysis Batch: 4340

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 4315

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	<0.0098		0.050	0.0098	ug/L		01/07/25 12:01	01/07/25 18:18	1

Lab Sample ID: MB 350-4315/2-A
Matrix: Water
Analysis Batch: 4340

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 4315

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	<0.0098		0.050	0.0098	ug/L		01/07/25 12:01	01/07/25 18:22	1

Lab Sample ID: LCS 350-4315/3-A
Matrix: Water
Analysis Batch: 4340

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 4315

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Uranium	25.0	23.2		ug/L		93	85 - 115

Method: 1638 - Metals (ICP/MS) (Continued)

Lab Sample ID: LCSD 350-4315/4-A
Matrix: Water
Analysis Batch: 4340

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 4315

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Uranium			25.0	23.9		ug/L		96	85 - 115	3	20

Lab Sample ID: 500-261545-1 MS
Matrix: Water
Analysis Batch: 4340

Client Sample ID: PRC-01_20241211
Prep Type: Total Recoverable
Prep Batch: 4315

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Uranium	0.65		25.0	25.7		ug/L		100	70 - 130

Lab Sample ID: 500-261545-1 MSD
Matrix: Water
Analysis Batch: 4340

Client Sample ID: PRC-01_20241211
Prep Type: Total Recoverable
Prep Batch: 4315

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Uranium	0.65		25.0	25.1		ug/L		98	70 - 130	2	20

Lab Sample ID: MB 350-4316/1-A
Matrix: Water
Analysis Batch: 4360

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 4316

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	0.0105	J	0.050	0.0098	ug/L		01/07/25 12:01	01/08/25 12:04	1

Lab Sample ID: MB 350-4316/2-A
Matrix: Water
Analysis Batch: 4360

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 4316

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	<0.0098		0.050	0.0098	ug/L		01/07/25 12:01	01/08/25 12:08	1

Lab Sample ID: LCS 350-4316/3-A
Matrix: Water
Analysis Batch: 4360

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 4316

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Uranium			25.0	24.3		ug/L		97	85 - 115

Lab Sample ID: LCSD 350-4316/4-A
Matrix: Water
Analysis Batch: 4360

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 4316

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Uranium			25.0	23.7		ug/L		95	85 - 115	3	20

Lab Sample ID: 500-261545-11 MS
Matrix: Water
Analysis Batch: 4360

Client Sample ID: TBS-01_20241211
Prep Type: Total Recoverable
Prep Batch: 4316

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Uranium	0.63	B	25.0	24.5		ug/L		95	70 - 130

Method: 1638 - Metals (ICP/MS)

Lab Sample ID: 500-261545-11 MSD
Matrix: Water
Analysis Batch: 4360

Client Sample ID: TBS-01_20241211
Prep Type: Total Recoverable
Prep Batch: 4316

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Uranium	0.63	B	25.0	25.0		ug/L		97	70 - 130	2	20

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 500-801167/1-A
Matrix: Water
Analysis Batch: 801920

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 801167

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<25		100	25	ug/L		12/30/24 19:28	01/06/25 15:16	1
Arsenic	<0.23		1.0	0.23	ug/L		12/30/24 19:28	01/06/25 15:16	1
Barium	<0.73		2.5	0.73	ug/L		12/30/24 19:28	01/06/25 15:16	1
Beryllium	<0.53		1.0	0.53	ug/L		12/30/24 19:28	01/06/25 15:16	1
Boron	<13		50	13	ug/L		12/30/24 19:28	01/06/25 15:16	1
Cadmium	<0.17		0.50	0.17	ug/L		12/30/24 19:28	01/06/25 15:16	1
Calcium	<44		200	44	ug/L		12/30/24 19:28	01/06/25 15:16	1
Chromium	<1.1		5.0	1.1	ug/L		12/30/24 19:28	01/06/25 15:16	1
Cobalt	<0.40		1.0	0.40	ug/L		12/30/24 19:28	01/06/25 15:16	1
Copper	<0.50		2.0	0.50	ug/L		12/30/24 19:28	01/06/25 15:16	1
Iron	<47		100	47	ug/L		12/30/24 19:28	01/06/25 15:16	1
Lead	<0.19		0.50	0.19	ug/L		12/30/24 19:28	01/06/25 15:16	1
Lithium	<2.5		10	2.5	ug/L		12/30/24 19:28	01/06/25 15:16	1
Magnesium	<49		200	49	ug/L		12/30/24 19:28	01/06/25 15:16	1
Manganese	<0.79		2.5	0.79	ug/L		12/30/24 19:28	01/06/25 15:16	1
Molybdenum	<2.5		5.0	2.5	ug/L		12/30/24 19:28	01/06/25 15:16	1
Nickel	<0.63		2.0	0.63	ug/L		12/30/24 19:28	01/06/25 15:16	1
Potassium	<110		500	110	ug/L		12/30/24 19:28	01/06/25 15:16	1
Selenium	<0.98		2.5	0.98	ug/L		12/30/24 19:28	01/06/25 15:16	1
Silver	<0.12		0.50	0.12	ug/L		12/30/24 19:28	01/06/25 15:16	1
Sodium	<77		200	77	ug/L		12/30/24 19:28	01/06/25 15:16	1
Strontium	<0.64		4.0	0.64	ug/L		12/30/24 19:28	01/06/25 15:16	1
Thallium	<0.57		2.0	0.57	ug/L		12/30/24 19:28	01/06/25 15:16	1
Vanadium	<2.2		5.0	2.2	ug/L		12/30/24 19:28	01/06/25 15:16	1
Zinc	<6.9		20	6.9	ug/L		12/30/24 19:28	01/06/25 15:16	1

Lab Sample ID: LCS 500-801167/3-A
Matrix: Water
Analysis Batch: 801920

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 801167

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	2000	2050		ug/L		103	80 - 120
Arsenic	100	80.7		ug/L		81	80 - 120
Barium	500	526		ug/L		105	80 - 120
Beryllium	50.0	50.1		ug/L		100	80 - 120
Boron	1000	883		ug/L		88	80 - 120
Cadmium	50.0	51.9		ug/L		104	80 - 120
Calcium	10000	9410		ug/L		94	80 - 120
Chromium	200	207		ug/L		103	80 - 120
Cobalt	500	529		ug/L		106	80 - 120

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 500-801167/3-A
Matrix: Water
Analysis Batch: 801920

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 801167

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Copper	250	256		ug/L		102	80 - 120
Iron	1000	946		ug/L		95	80 - 120
Lead	100	105		ug/L		105	80 - 120
Lithium	100	106		ug/L		106	80 - 120
Magnesium	10000	10500		ug/L		105	80 - 120
Manganese	500	532		ug/L		106	80 - 120
Molybdenum	1000	874		ug/L		87	80 - 120
Nickel	500	512		ug/L		102	80 - 120
Potassium	10000	10500		ug/L		105	80 - 120
Selenium	100	100		ug/L		100	80 - 120
Silver	50.0	41.1		ug/L		82	80 - 120
Sodium	10000	10300		ug/L		103	80 - 120
Strontium	1000	1010		ug/L		101	80 - 120
Thallium	100	112		ug/L		112	80 - 120
Vanadium	500	487		ug/L		97	80 - 120
Zinc	500	519		ug/L		104	80 - 120

Lab Sample ID: MB 500-801999/1-A
Matrix: Water
Analysis Batch: 802167

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 801999

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.3		3.0	1.3	ug/L		01/07/25 14:48	01/08/25 11:41	1
Tin	<1.3		5.0	1.3	ug/L		01/07/25 14:48	01/08/25 11:41	1

Lab Sample ID: LCS 500-801999/2-A
Matrix: Water
Analysis Batch: 802167

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 801999

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	500	499		ug/L		100	80 - 120
Tin	1000	971		ug/L		97	80 - 120

Lab Sample ID: 500-261545-1 MS
Matrix: Water
Analysis Batch: 801920

Client Sample ID: PRC-01_20241211
Prep Type: Dissolved
Prep Batch: 801167

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	<25		2000	1980		ug/L		99	75 - 125
Arsenic	0.55	J	100	101		ug/L		101	75 - 125
Barium	140		500	673		ug/L		107	75 - 125
Beryllium	<0.53		50.0	51.1		ug/L		102	75 - 125
Boron	340		1000	1350		ug/L		101	75 - 125
Cadmium	<0.17		50.0	51.4		ug/L		103	75 - 125
Calcium	79000		10000	91300	4	ug/L		125	75 - 125
Chromium	<1.1		200	211		ug/L		105	75 - 125
Cobalt	<0.40		500	533		ug/L		107	75 - 125
Copper	21		250	280		ug/L		104	75 - 125
Iron	<47		1000	1090		ug/L		109	75 - 125

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 500-261545-1 MS
Matrix: Water
Analysis Batch: 801920

Client Sample ID: PRC-01_20241211
Prep Type: Dissolved
Prep Batch: 801167

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Lead	<0.19		100	104		ug/L		104	75 - 125
Lithium	39		100	143		ug/L		105	75 - 125
Magnesium	12000		10000	22100		ug/L		103	75 - 125
Manganese	71		500	595		ug/L		105	75 - 125
Molybdenum	48		1000	1080		ug/L		103	75 - 125
Nickel	<0.63		500	510		ug/L		102	75 - 125
Potassium	5500		10000	15800		ug/L		103	75 - 125
Selenium	<0.98		100	100		ug/L		100	75 - 125
Silver	<0.12		50.0	51.2		ug/L		102	75 - 125
Sodium	75000		10000	87300	4	ug/L		119	75 - 125
Strontium	880		1000	1870		ug/L		99	75 - 125
Thallium	<0.57		100	107		ug/L		107	75 - 125
Vanadium	<2.2		500	519		ug/L		104	75 - 125
Zinc	<6.9		500	508		ug/L		102	75 - 125

Lab Sample ID: 500-261545-1 MSD
Matrix: Water
Analysis Batch: 801920

Client Sample ID: PRC-01_20241211
Prep Type: Dissolved
Prep Batch: 801167

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum	<25		2000	1930		ug/L		96	75 - 125	2	20
Arsenic	0.55	J	100	99.6		ug/L		99	75 - 125	2	20
Barium	140		500	655		ug/L		104	75 - 125	3	20
Beryllium	<0.53		50.0	51.7		ug/L		103	75 - 125	1	20
Boron	340		1000	1330		ug/L		99	75 - 125	1	20
Cadmium	<0.17		50.0	50.2		ug/L		100	75 - 125	2	20
Calcium	79000		10000	90500	4	ug/L		117	75 - 125	1	20
Chromium	<1.1		200	208		ug/L		104	75 - 125	1	20
Cobalt	<0.40		500	521		ug/L		104	75 - 125	2	20
Copper	21		250	275		ug/L		102	75 - 125	2	20
Iron	<47		1000	1050		ug/L		105	75 - 125	4	20
Lead	<0.19		100	101		ug/L		101	75 - 125	3	20
Lithium	39		100	143		ug/L		105	75 - 125	0	20
Magnesium	12000		10000	21400		ug/L		97	75 - 125	3	20
Manganese	71		500	579		ug/L		101	75 - 125	3	20
Molybdenum	48		1000	1060		ug/L		101	75 - 125	2	20
Nickel	<0.63		500	501		ug/L		100	75 - 125	2	20
Potassium	5500		10000	15500		ug/L		100	75 - 125	2	20
Selenium	<0.98		100	98.4		ug/L		98	75 - 125	2	20
Silver	<0.12		50.0	50.1		ug/L		100	75 - 125	2	20
Sodium	75000		10000	85300	4	ug/L		99	75 - 125	2	20
Strontium	880		1000	1830		ug/L		96	75 - 125	2	20
Thallium	<0.57		100	104		ug/L		104	75 - 125	3	20
Vanadium	<2.2		500	512		ug/L		102	75 - 125	1	20
Zinc	<6.9		500	499		ug/L		100	75 - 125	2	20

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 500-261545-1 DU
Matrix: Water
Analysis Batch: 801920

Client Sample ID: PRC-01_20241211
Prep Type: Dissolved
Prep Batch: 801167

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Aluminum	<25			<25		ug/L				NC	20
Arsenic	0.55	J		0.489	J	ug/L				11	20
Barium	140			135		ug/L				0.4	20
Beryllium	<0.53			<0.53		ug/L				NC	20
Boron	340			339		ug/L				1	20
Cadmium	<0.17			<0.17		ug/L				NC	20
Calcium	79000			78500		ug/L				0.3	20
Chromium	<1.1			<1.1		ug/L				NC	20
Cobalt	<0.40			<0.40		ug/L				NC	20
Copper	21			20.7		ug/L				0.5	20
Iron	<47			<47		ug/L				NC	20
Lead	<0.19			<0.19		ug/L				NC	20
Lithium	39			38.4		ug/L				1	20
Magnesium	12000			11600		ug/L				1	20
Manganese	71			71.1		ug/L				0.6	20
Molybdenum	48			47.2		ug/L				2	20
Nickel	<0.63			<0.63		ug/L				NC	20
Potassium	5500			5480		ug/L				0.4	20
Selenium	<0.98			<0.98		ug/L				NC	20
Silver	<0.12			<0.12		ug/L				NC	20
Sodium	75000			75500		ug/L				0.09	20
Strontium	880			872		ug/L				0.7	20
Thallium	<0.57			<0.57		ug/L				NC	20
Vanadium	<2.2			<2.2		ug/L				NC	20
Zinc	<6.9			<6.9		ug/L				NC	20

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 500-799308/3
Matrix: Water
Analysis Batch: 799308

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	<0.45		1.0	0.45	mg/L			12/13/24 10:22	1
Chloride	<0.42		1.0	0.42	mg/L			12/13/24 10:22	1
Fluoride	<0.43		1.0	0.43	mg/L			12/13/24 10:22	1
Sulfate	<0.47		1.0	0.47	mg/L			12/13/24 10:22	1

Lab Sample ID: LCS 500-799308/4
Matrix: Water
Analysis Batch: 799308

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Bromide			20.0	19.0		mg/L		95	90 - 110		
Chloride			20.0	19.5		mg/L		98	90 - 110		
Fluoride			20.0	20.3		mg/L		102	90 - 110		
Sulfate			20.0	21.1		mg/L		106	90 - 110		

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 500-261545-9 MS
Matrix: Water
Analysis Batch: 799308

Client Sample ID: BNW-01_20241211
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Bromide	<0.45		10.0	10.8		mg/L		108	80 - 120
Chloride	1.6		10.0	12.1		mg/L		105	80 - 120
Fluoride	<0.43		10.0	10.5		mg/L		105	80 - 120
Sulfate	<0.47		10.0	10.5		mg/L		105	80 - 120

Lab Sample ID: 500-261545-9 MSD
Matrix: Water
Analysis Batch: 799308

Client Sample ID: BNW-01_20241211
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Bromide	<0.45		10.0	9.62		mg/L		96	80 - 120	11	20
Chloride	1.6		10.0	11.3		mg/L		97	80 - 120	6	20
Fluoride	<0.43		10.0	9.78		mg/L		98	80 - 120	7	20
Sulfate	<0.47		10.0	10.2		mg/L		102	80 - 120	3	20

Lab Sample ID: MB 500-799309/3
Matrix: Water
Analysis Batch: 799309

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	<0.37		1.0	0.37	mg/L			12/13/24 10:22	1
Nitrite as N	<0.25		1.0	0.25	mg/L			12/13/24 10:22	1
Nitrate Nitrite as N	<0.37		1.0	0.37	mg/L			12/13/24 10:22	1

Lab Sample ID: LCS 500-799309/4
Matrix: Water
Analysis Batch: 799309

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate as N	20.0	19.9		mg/L		99	90 - 110
Nitrite as N	20.0	19.9		mg/L		100	90 - 110
Nitrate Nitrite as N	40.0	39.8		mg/L		100	90 - 110

Lab Sample ID: 500-261545-9 MS
Matrix: Water
Analysis Batch: 799309

Client Sample ID: BNW-01_20241211
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate as N	<0.37		2.26	2.37		mg/L		105	80 - 120
Nitrite as N	<0.25		3.03	3.32		mg/L		109	80 - 120
Nitrate Nitrite as N	<0.37		5.29	5.69		mg/L		108	80 - 120

Lab Sample ID: 500-261545-9 MSD
Matrix: Water
Analysis Batch: 799309

Client Sample ID: BNW-01_20241211
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrate as N	<0.37		2.26	2.17		mg/L		96	80 - 120	9	20
Nitrite as N	<0.25		3.03	2.90		mg/L		96	80 - 120	13	20
Nitrate Nitrite as N	<0.37		5.29	5.07		mg/L		96	80 - 120	12	20

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 500-801397/3
Matrix: Water
Analysis Batch: 801397

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.42		1.0	0.42	mg/L			01/02/25 19:50	1

Lab Sample ID: LCS 500-801397/4
Matrix: Water
Analysis Batch: 801397

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	20.0	20.7		mg/L		104	90 - 110

Lab Sample ID: 500-261545-1 MS
Matrix: Water
Analysis Batch: 801397

Client Sample ID: PRC-01_20241211
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	190		100	290		mg/L		103	80 - 120

Lab Sample ID: 500-261545-1 MSD
Matrix: Water
Analysis Batch: 801397

Client Sample ID: PRC-01_20241211
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	190		100	296		mg/L		108	80 - 120	2	20

Method: 335.4 - Cyanide, Total

Lab Sample ID: MB 500-799792/1-A
Matrix: Water
Analysis Batch: 799838

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 799792

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.0036		0.0050	0.0036	mg/L		12/17/24 13:51	12/17/24 15:10	1

Lab Sample ID: LCS 500-799792/2-A
Matrix: Water
Analysis Batch: 799838

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 799792

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.100	0.0935		mg/L		94	90 - 110

Method: 350.1 - Nitrogen, Ammonia

Lab Sample ID: MB 500-801391/1-A
Matrix: Water
Analysis Batch: 801667

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 801391

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	<0.10		0.20	0.10	mg/L		01/02/25 11:32	01/03/25 12:50	1

Method: 350.1 - Nitrogen, Ammonia (Continued)

Lab Sample ID: LCS 500-801391/2-A
Matrix: Water
Analysis Batch: 801667

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 801391

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ammonia	2.00	1.93		mg/L		96	90 - 110

Method: 365.1 - Phosphorus, Total

Lab Sample ID: MB 500-799544/1-A
Matrix: Water
Analysis Batch: 800190

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 799544

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phosphorus as P	<0.024		0.050	0.024	mg/L		12/16/24 09:29	12/19/24 13:29	1

Lab Sample ID: LCS 500-799544/2-A
Matrix: Water
Analysis Batch: 800190

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 799544

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Phosphorus as P	1.00	0.902		mg/L		90	88 - 123

Lab Sample ID: MB 500-800754/1-A
Matrix: Water
Analysis Batch: 801248

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 800754

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phosphorus as P	<0.024		0.050	0.024	mg/L		12/26/24 10:28	12/31/24 09:43	1

Lab Sample ID: LCS 500-800754/2-A
Matrix: Water
Analysis Batch: 801248

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 800754

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Phosphorus as P	1.00	0.990		mg/L		99	88 - 123

Method: SM 2320B - Alkalinity

Lab Sample ID: MB 500-800446/28
Matrix: Water
Analysis Batch: 800446

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	<3.7		5.0	3.7	mg/L			12/20/24 14:01	1
Bicarbonate Alkalinity as CaCO3	<3.7		5.0	3.7	mg/L			12/20/24 14:01	1
Carbonate Alkalinity as CaCO3	<3.7		5.0	3.7	mg/L			12/20/24 14:01	1

Lab Sample ID: MB 500-800446/53
Matrix: Water
Analysis Batch: 800446

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	5.43		5.0	3.7	mg/L			12/20/24 17:14	1
Bicarbonate Alkalinity as CaCO3	5.43		5.0	3.7	mg/L			12/20/24 17:14	1

Method: SM 2320B - Alkalinity (Continued)

Lab Sample ID: MB 500-800446/53
Matrix: Water
Analysis Batch: 800446

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbonate Alkalinity as CaCO3	<3.7		5.0	3.7	mg/L			12/20/24 17:14	1

Lab Sample ID: LCS 500-800446/29
Matrix: Water
Analysis Batch: 800446

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Alkalinity			100	108		mg/L		108	95 - 121		

Lab Sample ID: LCS 500-800446/4
Matrix: Water
Analysis Batch: 800446

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Alkalinity			100	107		mg/L		107	95 - 121		

Lab Sample ID: MB 500-801026/28
Matrix: Water
Analysis Batch: 801026

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	<3.7		5.0	3.7	mg/L			12/23/24 13:41	1
Bicarbonate Alkalinity as CaCO3	<3.7		5.0	3.7	mg/L			12/23/24 13:41	1
Carbonate Alkalinity as CaCO3	<3.7		5.0	3.7	mg/L			12/23/24 13:41	1

Lab Sample ID: MB 500-801026/53
Matrix: Water
Analysis Batch: 801026

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	3.92	J	5.0	3.7	mg/L			12/23/24 17:32	1
Bicarbonate Alkalinity as CaCO3	3.92	J	5.0	3.7	mg/L			12/23/24 17:32	1
Carbonate Alkalinity as CaCO3	<3.7		5.0	3.7	mg/L			12/23/24 17:32	1

Lab Sample ID: LCS 500-801026/4
Matrix: Water
Analysis Batch: 801026

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Alkalinity			100	107		mg/L		107	95 - 121		

Method: SM 2520B - Salinity

Lab Sample ID: 500-261545-11 DU
Matrix: Water
Analysis Batch: 801731

Client Sample ID: TBS-01_20241211
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Salinity	<0.33			<0.33		psu				NC	

Method: SM 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 500-799834/1
Matrix: Water
Analysis Batch: 799834

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<4.3		10	4.3	mg/L			12/18/24 02:27	1

Lab Sample ID: LCS 500-799834/2
Matrix: Water
Analysis Batch: 799834

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	250	240		mg/L		96	80 - 120

Lab Sample ID: 500-261545-1 DU
Matrix: Water
Analysis Batch: 799834

Client Sample ID: PRC-01_20241211
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	550		560		mg/L		2	5

Method: SM 2540D - Solids, Total Suspended (TSS)

Lab Sample ID: MB 500-799951/1
Matrix: Water
Analysis Batch: 799951

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	<1.9		5.0	1.9	mg/L			12/18/24 12:40	1

Lab Sample ID: LCS 500-799951/2
Matrix: Water
Analysis Batch: 799951

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Suspended Solids	200	184		mg/L		92	80 - 120

Method: SM 4500 S2 F - Sulfide, Total

Lab Sample ID: MB 500-799920/1
Matrix: Water
Analysis Batch: 799920

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	<0.23		1.0	0.23	mg/L			12/18/24 04:08	1

Lab Sample ID: LCS 500-799920/2
Matrix: Water
Analysis Batch: 799920

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfide	3.76	3.70		mg/L		98	85 - 115

Method: SM 5310C - TOC

Lab Sample ID: MB 500-800212/35
Matrix: Water
Analysis Batch: 800212

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	<0.47		1.0	0.47	mg/L			12/19/24 06:38	1

Lab Sample ID: LCS 500-800212/36
Matrix: Water
Analysis Batch: 800212

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Organic Carbon	10.0	10.5		mg/L		105	86 - 116

Lab Sample ID: 500-261545-1 MS
Matrix: Water
Analysis Batch: 800212

Client Sample ID: PRC-01_20241211
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Total Organic Carbon	4.4		10.0	16.3		mg/L		119	75 - 125

Lab Sample ID: 500-261545-1 MSD
Matrix: Water
Analysis Batch: 800212

Client Sample ID: PRC-01_20241211
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Organic Carbon	4.4		10.0	16.3		mg/L		119	75 - 125	0	20

Lab Sample ID: MB 500-801887/7
Matrix: Water
Analysis Batch: 801887

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	<0.47		1.0	0.47	mg/L			01/06/25 16:07	1

Lab Sample ID: LCS 500-801887/8
Matrix: Water
Analysis Batch: 801887

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Organic Carbon	10.0	10.3		mg/L		103	86 - 116

Lab Sample ID: MB 500-802206/7
Matrix: Water
Analysis Batch: 802206

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	<0.47		1.0	0.47	mg/L			01/08/25 13:41	1

Lab Sample ID: LCS 500-802206/8
Matrix: Water
Analysis Batch: 802206

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Organic Carbon	10.0	10.1		mg/L		101	86 - 116

Method: SM 5310C - TOC

Lab Sample ID: 500-261545-9 MS
Matrix: Water
Analysis Batch: 802206

Client Sample ID: BNW-01_20241211
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Total Organic Carbon	6.0		10.0	17.1		mg/L		110	75 - 125

Lab Sample ID: 500-261545-9 MSD
Matrix: Water
Analysis Batch: 802206

Client Sample ID: BNW-01_20241211
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Organic Carbon	6.0		10.0	17.0		mg/L		110	75 - 125	0	20

Method: SM 5310C - Organic Carbon, Dissolved (DOC)

Lab Sample ID: MB 500-800995/31
Matrix: Water
Analysis Batch: 800995

Client Sample ID: Method Blank
Prep Type: Dissolved

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon	<0.47		1.0	0.47	mg/L			12/29/24 09:55	1

Lab Sample ID: MB 500-800995/7
Matrix: Water
Analysis Batch: 800995

Client Sample ID: Method Blank
Prep Type: Dissolved

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon	<0.47		1.0	0.47	mg/L			12/29/24 09:55	1

Lab Sample ID: LCS 500-800995/32
Matrix: Water
Analysis Batch: 800995

Client Sample ID: Lab Control Sample
Prep Type: Dissolved

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Dissolved Organic Carbon	10.0	9.83		mg/L		98	86 - 116

Lab Sample ID: LCS 500-800995/8
Matrix: Water
Analysis Batch: 800995

Client Sample ID: Lab Control Sample
Prep Type: Dissolved

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Dissolved Organic Carbon	10.0	10.1		mg/L		101	86 - 116

Lab Chronicle

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261545-1

Client Sample ID: PRC-01_20241211

Date Collected: 12/11/24 16:00
Date Received: 12/13/24 09:20

Lab Sample ID: 500-261545-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	1630			4137	JS	EET SSM	12/27/24 11:42
Dissolved	Analysis	1630		1	4177	COW	EET SSM	12/27/24 22:09
Total/NA	Prep	1630			4137	JS	EET SSM	12/27/24 11:42
Total/NA	Analysis	1630		1	4177	COW	EET SSM	12/27/24 21:58
Dissolved	Analysis	1631E		1	4226	CL	EET SSM	12/30/24 18:10
Total/NA	Analysis	1631E		1	4226	CL	EET SSM	12/30/24 18:31
Dissolved	Prep	1638			4315	CL	EET SSM	01/07/25 12:01
Dissolved	Analysis	1638		1	4340	V1R	EET SSM	01/07/25 19:31
Total Recoverable	Prep	1638			4315	CL	EET SSM	01/07/25 12:01
Total Recoverable	Analysis	1638		1	4340	V1R	EET SSM	01/07/25 18:42
Dissolved	Prep	3005A			801167	S1Z	EET CHI	12/30/24 19:28 - 12/31/24 02:28 ¹
Dissolved	Analysis	6020B		1	801920	RN	EET CHI	01/06/25 15:21
Dissolved	Prep	3005A			801999	S1Z	EET CHI	01/07/25 14:48 - 01/07/25 20:48 ¹
Dissolved	Analysis	6020B		1	802167	RN	EET CHI	01/08/25 11:46
Total Recoverable	Prep	3005A			801167	S1Z	EET CHI	12/30/24 19:28 - 12/31/24 02:28 ¹
Total Recoverable	Analysis	6020B		1	801920	RN	EET CHI	01/06/25 15:58
Total Recoverable	Prep	3005A			801999	S1Z	EET CHI	01/07/25 14:48 - 01/07/25 20:48 ¹
Total Recoverable	Analysis	6020B		1	802167	RN	EET CHI	01/08/25 12:04
Total Recoverable	Prep	3005A			801167	S1Z	EET CHI	12/30/24 19:28 - 12/31/24 02:28 ¹
Total Recoverable	Analysis	SM 2340B		1	801941	DAJ	EET CHI	01/07/25 09:15
Total/NA	Analysis	300.0		1	799308	MM	EET CHI	12/13/24 11:25
Total/NA	Analysis	300.0		1	799309	MM	EET CHI	12/13/24 11:25
Total/NA	Analysis	300.0		10	801397	MB	EET CHI	01/02/25 20:22
Total/NA	Prep	Distill/CN			799792	AC	EET CHI	12/17/24 13:51 - 12/17/24 14:21 ¹
Total/NA	Analysis	335.4		1	799838	AC	EET CHI	12/17/24 15:38
Total/NA	Prep	Distill/Ammonia			801391	EB	EET CHI	01/02/25 11:32 - 01/02/25 12:32 ¹
Total/NA	Analysis	350.1		1	801667	EB	EET CHI	01/03/25 12:54
Total/NA	Prep	365.2/365.3/365			799544	ST	EET CHI	12/16/24 09:29 - 12/16/24 13:29 ¹
Total/NA	Analysis	365.1		1	800190	KF	EET CHI	12/19/24 13:40
Total/NA	Analysis	SM 2320B		1	800446	SO	EET CHI	12/20/24 13:10
Total/NA	Analysis	SM 2520B		1	801731	TR	EET CHI	01/06/25 08:16
Total/NA	Analysis	SM 2540C		1	799834	CLB	EET CHI	12/18/24 02:39
Total/NA	Analysis	SM 2540D		1	799951	SO	EET CHI	12/18/24 12:59 - 12/18/24 13:02 ¹
Total/NA	Analysis	SM 4500 S2 F		1	799920	CLB	EET CHI	12/18/24 05:00 - 12/18/24 05:05 ¹
Dissolved	Analysis	SM 5310C		1	800995	TR	EET CHI	12/29/24 09:55
Total/NA	Analysis	SM 5310C		1	800212	TR	EET CHI	12/19/24 09:55

Client Sample ID: PRC-01_20241211_FBLL

Date Collected: 12/11/24 16:00
Date Received: 12/13/24 09:20

Lab Sample ID: 500-261545-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	1631E		1	4226	CL	EET SSM	12/30/24 18:35

Lab Chronicle

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261545-1

Client Sample ID: ARC-03_20241211

Lab Sample ID: 500-261545-3

Date Collected: 12/11/24 10:00

Matrix: Water

Date Received: 12/13/24 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	1630			4172	JS	EET SSM	12/30/24 12:31
Dissolved	Analysis	1630		1	4243	COW	EET SSM	12/31/24 22:49
Total/NA	Prep	1630			4137	JS	EET SSM	12/27/24 11:42
Total/NA	Analysis	1630		1	4177	COW	EET SSM	12/27/24 22:19
Dissolved	Analysis	1631E		1	4226	CL	EET SSM	12/30/24 19:21
Total/NA	Analysis	1631E		1	4226	CL	EET SSM	12/30/24 18:39
Dissolved	Prep	1638			4315	CL	EET SSM	01/07/25 12:01
Dissolved	Analysis	1638		1	4340	V1R	EET SSM	01/07/25 19:44
Total Recoverable	Prep	1638			4315	CL	EET SSM	01/07/25 12:01
Total Recoverable	Analysis	1638		1	4340	V1R	EET SSM	01/07/25 19:41
Dissolved	Prep	3005A			801167	S1Z	EET CHI	12/30/24 19:28 - 12/31/24 02:28 ¹
Dissolved	Analysis	6020B		1	801920	RN	EET CHI	01/06/25 15:38
Dissolved	Prep	3005A			801999	S1Z	EET CHI	01/07/25 14:48 - 01/07/25 20:48 ¹
Dissolved	Analysis	6020B		1	802167	RN	EET CHI	01/08/25 11:49
Total Recoverable	Prep	3005A			801167	S1Z	EET CHI	12/30/24 19:28 - 12/31/24 02:28 ¹
Total Recoverable	Analysis	6020B		1	801920	RN	EET CHI	01/06/25 16:01
Total Recoverable	Prep	3005A			801999	S1Z	EET CHI	01/07/25 14:48 - 01/07/25 20:48 ¹
Total Recoverable	Analysis	6020B		1	802167	RN	EET CHI	01/08/25 12:12
Total Recoverable	Prep	3005A			801167	S1Z	EET CHI	12/30/24 19:28 - 12/31/24 02:28 ¹
Total Recoverable	Analysis	SM 2340B		1	801941	DAJ	EET CHI	01/07/25 09:15
Total/NA	Analysis	300.0		1	799308	MM	EET CHI	12/13/24 12:43
Total/NA	Analysis	300.0		1	799309	MM	EET CHI	12/13/24 12:43
Total/NA	Prep	Distill/CN			799792	AC	EET CHI	12/17/24 13:51 - 12/17/24 14:21 ¹
Total/NA	Analysis	335.4		1	799838	AC	EET CHI	12/17/24 15:39
Total/NA	Prep	Distill/Ammonia			801391	EB	EET CHI	01/02/25 11:32 - 01/02/25 12:32 ¹
Total/NA	Analysis	350.1		1	801667	EB	EET CHI	01/03/25 12:55
Total/NA	Prep	365.2/365.3/365			800754	ST	EET CHI	12/26/24 10:28 - 12/26/24 14:28 ¹
Total/NA	Analysis	365.1		1	801248	KF	EET CHI	12/31/24 09:47
Total/NA	Analysis	SM 2320B		1	801026	SO	EET CHI	12/23/24 10:50
Total/NA	Analysis	SM 2520B		1	801731	TR	EET CHI	01/06/25 08:16
Total/NA	Analysis	SM 2540C		1	799834	CLB	EET CHI	12/18/24 02:45
Total/NA	Analysis	SM 2540D		1	799951	SO	EET CHI	12/18/24 13:02 - 12/18/24 13:05 ¹
Total/NA	Analysis	SM 4500 S2 F		1	799920	CLB	EET CHI	12/18/24 05:05 - 12/18/24 05:10 ¹
Dissolved	Analysis	SM 5310C		1	800995	TR	EET CHI	12/29/24 09:55
Total/NA	Analysis	SM 5310C		1	801887	TR	EET CHI	01/06/25 17:31

Client Sample ID: ARC-03_20241211_FBLL

Lab Sample ID: 500-261545-4

Date Collected: 12/11/24 10:00

Matrix: Water

Date Received: 12/13/24 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	1631E		1	4226	CL	EET SSM	12/30/24 18:43

Lab Chronicle

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261545-1

Client Sample ID: PTC-01_20241211

Lab Sample ID: 500-261545-5

Date Collected: 12/11/24 12:00

Matrix: Water

Date Received: 12/13/24 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	1630			4172	JS	EET SSM	12/30/24 12:31
Dissolved	Analysis	1630		1	4243	COW	EET SSM	12/31/24 23:09
Total/NA	Prep	1630			4172	JS	EET SSM	12/30/24 12:31
Total/NA	Analysis	1630		1	4243	COW	EET SSM	12/31/24 22:59
Dissolved	Analysis	1631E		1	4226	CL	EET SSM	12/30/24 19:25
Total/NA	Analysis	1631E		1	4226	CL	EET SSM	12/30/24 18:48
Dissolved	Prep	1638			4315	CL	EET SSM	01/07/25 12:01
Dissolved	Analysis	1638		1	4340	V1R	EET SSM	01/07/25 19:51
Total Recoverable	Prep	1638			4315	CL	EET SSM	01/07/25 12:01
Total Recoverable	Analysis	1638		1	4340	V1R	EET SSM	01/07/25 19:48
Dissolved	Prep	3005A			801167	S1Z	EET CHI	12/30/24 19:28 - 12/31/24 02:28 ¹
Dissolved	Analysis	6020B		1	801920	RN	EET CHI	01/06/25 15:41
Dissolved	Prep	3005A			801999	S1Z	EET CHI	01/07/25 14:48 - 01/07/25 20:48 ¹
Dissolved	Analysis	6020B		1	802167	RN	EET CHI	01/08/25 11:51
Total Recoverable	Prep	3005A			801167	S1Z	EET CHI	12/30/24 19:28 - 12/31/24 02:28 ¹
Total Recoverable	Analysis	6020B		1	801920	RN	EET CHI	01/06/25 16:03
Total Recoverable	Prep	3005A			801999	S1Z	EET CHI	01/07/25 14:48 - 01/07/25 20:48 ¹
Total Recoverable	Analysis	6020B		1	802167	RN	EET CHI	01/08/25 12:14
Total Recoverable	Prep	3005A			801167	S1Z	EET CHI	12/30/24 19:28 - 12/31/24 02:28 ¹
Total Recoverable	Analysis	SM 2340B		1	801941	DAJ	EET CHI	01/07/25 09:15
Total/NA	Analysis	300.0		1	799308	MM	EET CHI	12/13/24 10:53
Total/NA	Analysis	300.0		1	799309	MM	EET CHI	12/13/24 10:53
Total/NA	Prep	Distill/CN			799792	AC	EET CHI	12/17/24 13:51 - 12/17/24 14:21 ¹
Total/NA	Analysis	335.4		1	799838	AC	EET CHI	12/17/24 15:41
Total/NA	Prep	Distill/Ammonia			801391	EB	EET CHI	01/02/25 11:32 - 01/02/25 12:32 ¹
Total/NA	Analysis	350.1		1	801667	EB	EET CHI	01/03/25 12:55
Total/NA	Prep	365.2/365.3/365			800754	ST	EET CHI	12/26/24 10:28 - 12/26/24 14:28 ¹
Total/NA	Analysis	365.1		1	801248	KF	EET CHI	12/31/24 09:46
Total/NA	Analysis	SM 2320B		1	800446	SO	EET CHI	12/20/24 13:26
Total/NA	Analysis	SM 2520B		1	801731	TR	EET CHI	01/06/25 08:16
Total/NA	Analysis	SM 2540C		1	799834	CLB	EET CHI	12/18/24 02:47
Total/NA	Analysis	SM 2540D		1	799951	SO	EET CHI	12/18/24 13:05 - 12/18/24 13:08 ¹
Total/NA	Analysis	SM 4500 S2 F		1	799920	CLB	EET CHI	12/18/24 05:10 - 12/18/24 05:15 ¹
Dissolved	Analysis	SM 5310C		1	800995	TR	EET CHI	12/29/24 09:55
Total/NA	Analysis	SM 5310C		1	801887	TR	EET CHI	01/06/25 17:59

Client Sample ID: PTC-01_20241211_FBLL

Lab Sample ID: 500-261545-6

Date Collected: 12/11/24 12:00

Matrix: Water

Date Received: 12/13/24 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	1631E		1	4226	CL	EET SSM	12/30/24 19:00

Client Sample ID: TBN-01_20241211

Lab Sample ID: 500-261545-7

Date Collected: 12/11/24 11:05

Matrix: Water

Date Received: 12/13/24 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	1630			4172	JS	EET SSM	12/30/24 12:31
Dissolved	Analysis	1630		1	4243	COW	EET SSM	12/31/24 23:29
Total/NA	Prep	1630			4172	JS	EET SSM	12/30/24 12:31
Total/NA	Analysis	1630		1	4243	COW	EET SSM	12/31/24 23:19
Dissolved	Analysis	1631E		1	4226	CL	EET SSM	12/30/24 19:29
Total/NA	Analysis	1631E		1	4226	CL	EET SSM	12/30/24 19:04
Dissolved	Prep	1638			4315	CL	EET SSM	01/07/25 12:01
Dissolved	Analysis	1638		1	4340	V1R	EET SSM	01/07/25 19:58
Total Recoverable	Prep	1638			4315	CL	EET SSM	01/07/25 12:01
Total Recoverable	Analysis	1638		1	4340	V1R	EET SSM	01/07/25 19:55
Dissolved	Prep	3005A			801167	S1Z	EET CHI	12/30/24 19:28 - 12/31/24 02:28 ¹
Dissolved	Analysis	6020B		1	801920	RN	EET CHI	01/06/25 15:43
Dissolved	Prep	3005A			801999	S1Z	EET CHI	01/07/25 14:48 - 01/07/25 20:48 ¹
Dissolved	Analysis	6020B		1	802167	RN	EET CHI	01/08/25 11:54
Total Recoverable	Prep	3005A			801167	S1Z	EET CHI	12/30/24 19:28 - 12/31/24 02:28 ¹
Total Recoverable	Analysis	6020B		1	801920	RN	EET CHI	01/06/25 16:06
Total Recoverable	Prep	3005A			801999	S1Z	EET CHI	01/07/25 14:48 - 01/07/25 20:48 ¹
Total Recoverable	Analysis	6020B		1	802167	RN	EET CHI	01/08/25 12:17
Total Recoverable	Prep	3005A			801167	S1Z	EET CHI	12/30/24 19:28 - 12/31/24 02:28 ¹
Total Recoverable	Analysis	SM 2340B		1	801941	DAJ	EET CHI	01/07/25 09:15
Total/NA	Analysis	300.0		1	799308	MM	EET CHI	12/13/24 12:27
Total/NA	Analysis	300.0		1	799309	MM	EET CHI	12/13/24 12:27
Total/NA	Analysis	300.0		10	801397	MB	EET CHI	01/02/25 21:08
Total/NA	Prep	Distill/CN			799792	AC	EET CHI	12/17/24 13:51 - 12/17/24 14:21 ¹
Total/NA	Analysis	335.4		1	799838	AC	EET CHI	12/17/24 15:43
Total/NA	Prep	Distill/Ammonia			801391	EB	EET CHI	01/02/25 11:32 - 01/02/25 12:32 ¹
Total/NA	Analysis	350.1		1	801667	EB	EET CHI	01/03/25 12:56
Total/NA	Prep	365.2/365.3/365			800754	ST	EET CHI	12/26/24 10:28 - 12/26/24 14:28 ¹
Total/NA	Analysis	365.1		1	801248	KF	EET CHI	12/31/24 09:46
Total/NA	Analysis	SM 2320B		1	800446	SO	EET CHI	12/20/24 13:36
Total/NA	Analysis	SM 2520B		1	801731	TR	EET CHI	01/06/25 08:16
Total/NA	Analysis	SM 2540C		1	799834	CLB	EET CHI	12/18/24 02:50
Total/NA	Analysis	SM 2540D		1	799951	SO	EET CHI	12/18/24 13:08 - 12/18/24 13:12 ¹
Total/NA	Analysis	SM 4500 S2 F		1	799920	CLB	EET CHI	12/18/24 05:15 - 12/18/24 05:20 ¹
Dissolved	Analysis	SM 5310C		1	800995	TR	EET CHI	12/29/24 09:55
Total/NA	Analysis	SM 5310C		1	801887	TR	EET CHI	01/06/25 18:27

Client Sample ID: TBN-01_20241211_FBLL

Lab Sample ID: 500-261545-8

Date Collected: 12/11/24 11:05

Matrix: Water

Date Received: 12/13/24 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	1631E		1	4226	CL	EET SSM	12/30/24 19:08

Lab Chronicle

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261545-1

Client Sample ID: BNW-01_20241211

Lab Sample ID: 500-261545-9

Date Collected: 12/11/24 15:45

Matrix: Water

Date Received: 12/13/24 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	1630			4172	JS	EET SSM	12/30/24 12:31
Dissolved	Analysis	1630		1	4243	COW	EET SSM	12/31/24 23:40
Total/NA	Prep	1630			4206	JS	EET SSM	12/31/24 12:13
Total/NA	Analysis	1630		1	4243	COW	EET SSM	01/01/25 04:56
Dissolved	Analysis	1631E		1	4226	CL	EET SSM	12/30/24 19:33
Total/NA	Analysis	1631E		1	4226	CL	EET SSM	12/30/24 19:12
Dissolved	Prep	1638			4315	CL	EET SSM	01/07/25 12:01
Dissolved	Analysis	1638		1	4340	V1R	EET SSM	01/07/25 20:05
Total Recoverable	Prep	1638			4315	CL	EET SSM	01/07/25 12:01
Total Recoverable	Analysis	1638		1	4340	V1R	EET SSM	01/07/25 20:02
Dissolved	Prep	3005A			801167	S1Z	EET CHI	12/30/24 19:28 - 12/31/24 02:28 ¹
Dissolved	Analysis	6020B		1	801920	RN	EET CHI	01/06/25 15:46
Dissolved	Prep	3005A			801999	S1Z	EET CHI	01/07/25 14:48 - 01/07/25 20:48 ¹
Dissolved	Analysis	6020B		1	802167	RN	EET CHI	01/08/25 11:56
Total Recoverable	Prep	3005A			801167	S1Z	EET CHI	12/30/24 19:28 - 12/31/24 02:28 ¹
Total Recoverable	Analysis	6020B		1	801920	RN	EET CHI	01/06/25 16:08
Total Recoverable	Prep	3005A			801999	S1Z	EET CHI	01/07/25 14:48 - 01/07/25 20:48 ¹
Total Recoverable	Analysis	6020B		1	802167	RN	EET CHI	01/08/25 12:19
Total Recoverable	Prep	3005A			801167	S1Z	EET CHI	12/30/24 19:28 - 12/31/24 02:28 ¹
Total Recoverable	Analysis	SM 2340B		1	801941	DAJ	EET CHI	01/07/25 09:15
Total/NA	Analysis	300.0		1	799308	MM	EET CHI	12/13/24 11:40
Total/NA	Analysis	300.0		1	799309	MM	EET CHI	12/13/24 11:40
Total/NA	Prep	Distill/CN			799792	AC	EET CHI	12/17/24 13:51 - 12/17/24 14:21 ¹
Total/NA	Analysis	335.4		1	799838	AC	EET CHI	12/17/24 15:45
Total/NA	Prep	Distill/Ammonia			801391	EB	EET CHI	01/02/25 11:32 - 01/02/25 12:32 ¹
Total/NA	Analysis	350.1		1	801667	EB	EET CHI	01/03/25 12:56
Total/NA	Prep	365.2/365.3/365			800754	ST	EET CHI	12/26/24 10:28 - 12/26/24 14:28 ¹
Total/NA	Analysis	365.1		1	801248	KF	EET CHI	12/31/24 09:45
Total/NA	Analysis	SM 2320B		1	800446	SO	EET CHI	12/20/24 13:44
Total/NA	Analysis	SM 2520B		1	801731	TR	EET CHI	01/06/25 08:16
Total/NA	Analysis	SM 2540C		1	799834	CLB	EET CHI	12/18/24 02:52
Total/NA	Analysis	SM 2540D		1	799951	SO	EET CHI	12/18/24 13:12 - 12/18/24 13:15 ¹
Total/NA	Analysis	SM 4500 S2 F		1	799920	CLB	EET CHI	12/18/24 05:20 - 12/18/24 05:24 ¹
Dissolved	Analysis	SM 5310C		1	800995	TR	EET CHI	12/29/24 09:55
Total/NA	Analysis	SM 5310C		1	802206	TR	EET CHI	01/08/25 14:38

Client Sample ID: BNW-01_20241211_FBLL

Lab Sample ID: 500-261545-10

Date Collected: 12/11/24 15:45

Matrix: Water

Date Received: 12/13/24 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	1631E		1	4226	CL	EET SSM	12/30/24 19:17

Client Sample ID: TBS-01_20241211

Lab Sample ID: 500-261545-11

Date Collected: 12/11/24 10:20

Matrix: Water

Date Received: 12/13/24 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	1630			4206	JS	EET SSM	12/31/24 12:13
Dissolved	Analysis	1630		1	4243	COW	EET SSM	01/01/25 05:16
Total/NA	Prep	1630			4206	JS	EET SSM	12/31/24 12:13
Total/NA	Analysis	1630		1	4243	COW	EET SSM	01/01/25 05:06
Dissolved	Analysis	1631E		1	4286	AJD	EET SSM	01/03/25 18:50
Total/NA	Analysis	1631E		1	4286	AJD	EET SSM	01/03/25 18:46
Dissolved	Prep	1638			4316	CL	EET SSM	01/07/25 12:01
Dissolved	Analysis	1638		1	4360	V1R	EET SSM	01/08/25 12:46
Total Recoverable	Prep	1638			4316	CL	EET SSM	01/07/25 12:01
Total Recoverable	Analysis	1638		1	4360	V1R	EET SSM	01/08/25 12:25
Dissolved	Prep	3005A			801167	S1Z	EET CHI	12/30/24 19:28 - 12/31/24 02:28 [1]
Dissolved	Analysis	6020B		1	801920	RN	EET CHI	01/06/25 15:48
Dissolved	Prep	3005A			801999	S1Z	EET CHI	01/07/25 14:48 - 01/07/25 20:48 [1]
Dissolved	Analysis	6020B		1	802167	RN	EET CHI	01/08/25 11:59
Total Recoverable	Prep	3005A			801167	S1Z	EET CHI	12/30/24 19:28 - 12/31/24 02:28 [1]
Total Recoverable	Analysis	6020B		1	801920	RN	EET CHI	01/06/25 16:11
Total Recoverable	Prep	3005A			801999	S1Z	EET CHI	01/07/25 14:48 - 01/07/25 20:48 [1]
Total Recoverable	Analysis	6020B		1	802167	RN	EET CHI	01/08/25 12:22
Total Recoverable	Prep	3005A			801167	S1Z	EET CHI	12/30/24 19:28 - 12/31/24 02:28 [1]
Total Recoverable	Analysis	SM 2340B		1	801941	DAJ	EET CHI	01/07/25 09:15
Total/NA	Analysis	300.0		1	799308	MM	EET CHI	12/13/24 13:46
Total/NA	Analysis	300.0		1	799309	MM	EET CHI	12/13/24 13:46
Total/NA	Analysis	300.0		10	801397	MB	EET CHI	01/02/25 21:24
Total/NA	Prep	Distill/CN			799792	AC	EET CHI	12/17/24 13:51 - 12/17/24 14:21 [1]
Total/NA	Analysis	335.4		1	799838	AC	EET CHI	12/17/24 15:46
Total/NA	Prep	Distill/Ammonia			801391	EB	EET CHI	01/02/25 11:32 - 01/02/25 12:32 [1]
Total/NA	Analysis	350.1		1	801667	EB	EET CHI	01/03/25 12:57
Total/NA	Prep	365.2/365.3/365			800754	ST	EET CHI	12/26/24 10:28 - 12/26/24 14:28 [1]
Total/NA	Analysis	365.1		1	801248	KF	EET CHI	12/31/24 09:45
Total/NA	Analysis	SM 2320B		1	800446	SO	EET CHI	12/20/24 13:53
Total/NA	Analysis	SM 2520B		1	801731	TR	EET CHI	01/06/25 08:16
Total/NA	Analysis	SM 2540C		1	799834	CLB	EET CHI	12/18/24 02:55
Total/NA	Analysis	SM 2540D		1	799951	SO	EET CHI	12/18/24 13:15 - 12/18/24 13:18 [1]
Total/NA	Analysis	SM 4500 S2 F		1	799920	CLB	EET CHI	12/18/24 05:24 - 12/18/24 05:29 [1]
Dissolved	Analysis	SM 5310C		1	800995	TR	EET CHI	12/29/24 09:55
Total/NA	Analysis	SM 5310C		1	801887	TR	EET CHI	01/06/25 18:55

Client Sample ID: TBS-01_20241211_FBLL

Lab Sample ID: 500-261545-12

Date Collected: 12/11/24 10:20

Matrix: Water

Date Received: 12/13/24 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	1631E		1	4286	AJD	EET SSM	01/03/25 18:54

Client Sample ID: BNC-01_20241211

Lab Sample ID: 500-261545-13

Date Collected: 12/11/24 12:35

Matrix: Water

Date Received: 12/13/24 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	1630			4206	JS	EET SSM	12/31/24 12:13
Dissolved	Analysis	1630		1	4243	COW	EET SSM	01/01/25 05:36
Total/NA	Prep	1630			4206	JS	EET SSM	12/31/24 12:13
Total/NA	Analysis	1630		1	4243	COW	EET SSM	01/01/25 05:26
Dissolved	Analysis	1631E		1	4286	AJD	EET SSM	01/03/25 19:03
Total/NA	Analysis	1631E		1	4286	AJD	EET SSM	01/03/25 18:59
Dissolved	Prep	1638			4316	CL	EET SSM	01/07/25 12:01
Dissolved	Analysis	1638		1	4360	V1R	EET SSM	01/08/25 12:53
Total Recoverable	Prep	1638			4316	CL	EET SSM	01/07/25 12:01
Total Recoverable	Analysis	1638		1	4360	V1R	EET SSM	01/08/25 12:49
Dissolved	Prep	3005A			801167	S1Z	EET CHI	12/30/24 19:28 - 12/31/24 02:28 [1]
Dissolved	Analysis	6020B		1	801920	RN	EET CHI	01/06/25 15:51
Dissolved	Prep	3005A			801999	S1Z	EET CHI	01/07/25 14:48 - 01/07/25 20:48 [1]
Dissolved	Analysis	6020B		1	802167	RN	EET CHI	01/08/25 12:01
Total Recoverable	Prep	3005A			801167	S1Z	EET CHI	12/30/24 19:28 - 12/31/24 02:28 [1]
Total Recoverable	Analysis	6020B		1	801920	RN	EET CHI	01/06/25 16:13
Total Recoverable	Prep	3005A			801999	S1Z	EET CHI	01/07/25 14:48 - 01/07/25 20:48 [1]
Total Recoverable	Analysis	6020B		1	802167	RN	EET CHI	01/08/25 12:24
Total Recoverable	Prep	3005A			801167	S1Z	EET CHI	12/30/24 19:28 - 12/31/24 02:28 [1]
Total Recoverable	Analysis	SM 2340B		1	801941	DAJ	EET CHI	01/07/25 09:15
Total/NA	Analysis	300.0		1	799308	MM	EET CHI	12/13/24 11:09
Total/NA	Analysis	300.0		1	799309	MM	EET CHI	12/13/24 11:09
Total/NA	Prep	Distill/CN			799792	AC	EET CHI	12/17/24 13:51 - 12/17/24 14:21 [1]
Total/NA	Analysis	335.4		1	799838	AC	EET CHI	12/17/24 15:48
Total/NA	Prep	Distill/Ammonia			801391	EB	EET CHI	01/02/25 11:32 - 01/02/25 12:32 [1]
Total/NA	Analysis	350.1		1	801667	EB	EET CHI	01/03/25 12:57
Total/NA	Prep	365.2/365.3/365			800754	ST	EET CHI	12/26/24 10:28 - 12/26/24 14:28 [1]
Total/NA	Analysis	365.1		1	801248	KF	EET CHI	12/31/24 09:45
Total/NA	Analysis	SM 2320B		1	800446	SO	EET CHI	12/20/24 14:13
Total/NA	Analysis	SM 2520B		1	801731	TR	EET CHI	01/06/25 08:16
Total/NA	Analysis	SM 2540C		1	799834	CLB	EET CHI	12/18/24 02:58
Total/NA	Analysis	SM 2540D		1	799951	SO	EET CHI	12/18/24 13:18 - 12/18/24 13:21 [1]
Total/NA	Analysis	SM 4500 S2 F		1	799920	CLB	EET CHI	12/18/24 05:29 - 12/18/24 05:34 [1]
Dissolved	Analysis	SM 5310C		1	800995	TR	EET CHI	12/29/24 09:55
Total/NA	Analysis	SM 5310C		1	801887	TR	EET CHI	01/06/25 19:23

Client Sample ID: BNC-01_20241210_FBLL

Lab Sample ID: 500-261545-14

Date Collected: 12/11/24 12:35

Matrix: Water

Date Received: 12/13/24 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	1631E		1	4286	AJD	EET SSM	01/03/25 19:15

[1] This procedure uses a method stipulated length of time for the process. Both start and end times are displayed.

Lab Chronicle

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261545-1

Laboratory References:

EET CHI = Eurofins Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

EET SSM = Eurofins Seattle Specialty Metals, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

Accreditation/Certification Summary

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261545-1

Laboratory: Eurofins Chicago

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Georgia	State	N/A	05-31-25
Georgia (DW)	State	939	05-31-25
Hawaii	State	NA	05-31-25
Illinois	NELAP	100201	05-31-25
Indiana	State	C-IL-02	05-31-25
Iowa	State	082	05-01-26
Kansas	NELAP	E-10161	10-31-25
Kentucky (UST)	State	AI # 108083	05-31-25
Kentucky (WW)	State	KY90023	12-31-24 *
Louisiana (All)	NELAP	02046	06-30-25
Mississippi	State	NA	05-31-25
North Carolina (WW/SW)	State	291	12-31-25
North Dakota	State	R-194	04-29-24 *
Oklahoma	State	8908	08-31-24 *
South Carolina	State	77001003	05-31-25
USDA	US Federal Programs	P330-18-00018	03-30-26
Wisconsin	State	999580010	08-31-25
Wyoming	State	8TMS-Q	05-31-25

Laboratory: Eurofins Seattle Specialty Metals

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	20-004	02-19-25
ANAB	Dept. of Defense ELAP	L2236	01-19-25
ANAB	ISO/IEC 17025	L2236	01-19-25
California	State	2954	07-07-25
Florida	NELAP	E87575	06-30-25
Louisiana (All)	NELAP	03073	06-30-25
Maine	State	WA01273	05-02-26
New Jersey	NELAP	WA014	06-30-25
New York	NELAP	11662	04-01-25
Oregon	NELAP	4167-008	07-07-25
US Fish & Wildlife	US Federal Programs	A20571	06-30-25
USDA	US Federal Programs	525-23-4-22573	01-04-26
Washington	State	C788-23a	07-13-25
Wisconsin	State	399133460	07-31-25

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Eurofins Chicago
2417 Bond Street
University Park, IL 60484
Phone (708) 534-5200 Phone (708) 534-5211

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Jacob Dean	Lab PM: Fredrick, Sandie	Carrier Tracking No(s): 4221 9522 2888	COC No: 500-130281-50241 5
Client Contact: Amanda Zeidler	Phone: 906-487-7454	E-Mail: Sandra Fredrick@et eurofinsus com	State of Origin: Michigan	Page: Page 1 of 1
Company: White Pine Copper LLC	PWSID:			Job #: 500-261545
Address: 35362 Mall Circle Drive	Due Date Requested:			
City: White Pine	TAT Requested (days): 10 days			
State, Zip: MI, 49971	Compliance Project: Δ Yes Δ No			
Phone: 906-204-6500	PO #: Purchase Order not required			
Email: AZeidler@whitepinecu com	WO #:			
Project Name: White Pines, MI	Project #: 50023455			
Site: White Pine North Baseline Sampling	SSOW#:			

Analysis Requested

Preservation Codes
S H2SO4
N None
CB ZnAc
B NaOH
D HNO3
A HCL

500-261545 COC

Other:

	Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	350.1 Ammonia, 365.1 Phos	2320B, 2540C, 2540D, 300.0_28D, 300_48HR, SM2520_B	SM4500_S2_F - Sulfide, Total	335.4 - Cyanide, Total	SM5310_DOC_C - Organic Carbon, Dissolved (DOC) - tripli	6020B, SM2340B Total Metals / Hardness	1638 - Uranium only (ICP/MS)	1631E - Mercury, Low Level (CVAFS)	1630_ME - Methyl Mercury	6020B - Dissolved Metals (ICP/MS) - 27 elements	1638 - Dissolved Uranium only (ICP/MS) (field f	1631E - Dissolved Mercury, Low Level (CVAFS) (fi	1630_ME - Dissolved Methyl Mercury (field filtered)	5310C - TOC	Total Number of containers	Special Instructions/Note:
				Preservation Code:				S	N	CB	B	S	D	D	N	A	D	D	N	A	S		
1	PRC-01-20241211	12-11-24	16:00	G	Water			X	X	X	X	X	X	X	X	X	X	X	X	X	X	22	
2	PRC-01_20241211_FBLK	12-11-24	16:00	G	Water										X							2	
					Water																		
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					Water																		
					Water																		
					Water																		

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested I, [II], III, IV, Other (specify)

Special Instructions/QC Requirements. MDLs must meet Michigan requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment: FedEx Priority Overnight

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1	Jacob Dean	12-12-24 09:00	MSG	FedEx 4221 9522 2888		
2				Stephanie Hernandez	12/13/24 0920	EEN
3						

Custody Seals Intact: Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks: 5.9+5.8, 5.5+5.4, 5.8+5.7, 5.9+5.8

Eurofins Chicago
2417 Bond Street
University Park, IL 60484
Phone (708) 534-5200 Phone (708) 534-5211

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Jacob Dean	Lab PM: Fredrick, Sandie	Carrier Tracking No(s): 4221 9522 2580	COC No: 500-130281-50241 27
Client Contact: Amanda Zeidler	Phone: 906-487-7454	E-Mail: Sandra Fredrick@et eurofinsus com	State of Origin: Michigan	Page: Page 1 of 1
Company: White Pine Copper LLC	PWSID:			Job #: 500-261645
Address: 35362 Mall Circle Drive	Due Date Requested:			
City: White Pine	TAT Requested (days): 10 days			
State, Zip: MI, 49971	Compliance Project: Δ Yes Δ No			
Phone: 906-204-6500	PO #: Purchase Order not required			
Email: AZeidler@whitepinecu com	WO #:			
Project Name: White Pines, MI	Project #: 50023455			
Site: White Pine North Baseline Sampling	SSOW#:			

Analysis Requested

Preservation Codes:
S H2SO4
N None
CB ZnAcetate/NaOH
B NaOH
D HNO3
A HCL
Other:

	Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	350.1 Ammonia, 365.1 Phos	2320B, 2540C, 2540D, 300.0_28D, 300_48HR, SM2520_B	SM4500_S2_F - Sulfide, Total	335.4 - Cyanide, Total	SM5310_DOC_C - Organic Carbon, Dissolved (DOC) - tripli	6020B, SM2340B Total Metals / Hardness	1638 - Uranium only (ICP/MS)	1631E - Mercury, Low Level (CVAFS)	1630_ME - Methyl Mercury	6020B - Dissolved Metals (ICP/MS) - 27 elements	1638 - Dissolved Uranium only (ICP/MS) (field f	1631E - Dissolved Mercury, Low Level (CVAFS) (fi	1630_ME - Dissolved Methyl Mercury (field filtered)	5310C - TOC	Total Number of containers	Special Instructions/Note:
				Preservation Code:				S	N	CB	B	S	D	D	N	A	D	D	N	A	S		
3	ARC-03_20241211	12-11-24	10:00	G	Water			X	X	X	X	X	X	X	X	X	X	X	X	X	X	22	
4	ARC-03_20241211_FBLL	12-11-24	10:00	G	Water										X							2	
5	PTC-01-20241211	12-11-24	12:00	G	Water			X	X	X	X	X	X	X	X	X	X	X	X	X	X	22	
6	PTC-01_20241211_FBLL	12-11-24	12:00	G	Water										X							2	
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements. MDLs must meet Michigan requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment: FedEx Priority Overnight

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1	Jacob Dean	12-12-24 / 1600	MSG	4221 9522 2580	12-12-24 / 1600	Fedex
2				Stephanie Hernandez	12/13/24 0920	EETA
3						

Custody Seals Intact: Δ Yes Δ No | Custody Seal No | Cooler Temperature(s) °C and Other Remarks.

Eurofins Chicago
2417 Bond Street
University Park, IL 60484
Phone (708) 534-5200 Phone (708) 534-5211

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Ellen Coppernoll	Lab PM: Fredrick, Sandie	Carrier Tracking No(s): 4221 9522 2590	COC No: 500-130281-50241 16
Client Contact: Amanda Zeidler	Phone	E-Mail: Sandra Fredrick@et eurofinsus com	State of Origin: Michigan	Page: Page 1 of 1
Company: White Pine Copper LLC	PWSID			Job #: 500-261545
Address: 35362 Mall Circle Drive	Due Date Requested			
City: White Pine	TAT Requested (days): 10 days			
State, Zip: MI, 49971	Compliance Project: Δ Yes Δ No			
Phone: 906-204-6500	PO #: Purchase Order not required			
Email: AZeidler@whitepinecu com	WO #:			
Project Name: White Pines, MI	Project #: 50023455			
Site: White Pine North Baseline Sampling	SSOW#:			

Analysis Requested

Preservation Codes:
S H2SO4
N None
CB ZnAcetate/NaOH
B NaOH
D HNO3
A HCL
Other:

	Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	350.1 Ammonia, 365.1 Phos	2320B, 2540C, 2540D, 300.0_28D, 300_48HR, SM2520_B	SM4500_S2_F - Sulfide, Total	335.4 - Cyanide, Total	SM5310_DOC_C - Organic Carbon, Dissolved (DOC) - tripli	6020B, SM2340B Total Metals / Hardness	1638 - Uranium only (ICP/MS)	1631E - Mercury, Low Level (CVAFS)	1630_ME - Methyl Mercury	6020B - Dissolved Metals (ICP/MS) - 27 elements	1638 - Dissolved Uranium only (ICP/MS) (field f	1631E - Dissolved Mercury, Low Level (CVAFS) (fi	1630_ME - Dissolved Methyl Mercury (field filtered)	5310C - TOC	Total Number of containers	Special Instructions/Note:
	Preservation Code:							S	N	CB	B	S	D	D	N	A	D	D	N	A	S		
7	TBN-01_20241211	~~12~~ 12/11/24	1105		Water			X	X	X	X	X	X	X	X	X	X	X	X	X	X	22	
8	TBN-01_20241211_FBLL	~~HRS~~ 12/11/24	1105		Water										X							2	
					Water																		
9	BNW-01_20241211	12-11-24	1545		Water			X	X	X	X	X	X	X	X	X	X	X	X	X	X	22	
10	BNW-01_20241211_FBLL	12-11-24	1545		Water										X							2	
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements MDLs must meet Michigan requirements

Empty Kit Relinquished by:	Date	Time	Method of Shipment: Fedex Priority Overnight

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Ellen	12/12/24 1600	MSG	4221 9522 2590	12/12/24 1600	Fedex
2	Relinquished by:	Date/Time	Company	Received by: Stephanie Hemandez	Date/Time 12/13/24 0920	Company EEHA
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact. Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks.

Eurofins Chicago
2417 Bond Street
University Park, IL 60484
Phone (708) 534-5200 Phone (708) 534-5211

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Ellen Coppernoll	Lab PM: Fredrick, Sandie	Carrier Tracking No(s): 4221 9522 2899	COC No: 500-130281-50241 6
Client Contact: Amanda Zeidler	Phone: 517-513-2249	E-Mail: Sandra Fredrick@et.eurofinsus com	State of Origin: Michigan	Page: Page 1 of 1
Company: White Pine Copper LLC	PWSID:			Job #: 500-261545
Address: 35362 Mall Circle Drive	Due Date Requested:			
City: White Pine	TAT Requested (days): 10 days			
State, Zip: MI, 49971	Compliance Project: Δ Yes Δ No			
Phone: 906-204-6500	PO #: Purchase Order not required			
Email: AZeidler@whitepinecu com	WO #:			
Project Name: White Pines, MI	Project #: 50023455			
Site: White Pine North Baseline Sampling	SSOW#:			

Analysis Requested

Preservation Codes:
S H2SO4
N None
CB ZnAcetate/NaOH
B NaOH
D HNO3
A HCL
Other:

	Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	350.1 Ammonia, 365.1 Phos	2320B, 2540C, 2540D, 300.0_28D, 300_48HR, SM2520_B	SM4500_S2_F - Sulfide, Total	335.4 - Cyanide, Total	SM5310_DOC_C - Organic Carbon, Dissolved (DOC) - tripli	6020B, SM2340B Total Metals / Hardness	1638 - Uranium only (ICP/MS)	1631E - Mercury, Low Level (CVAFS)	1630_ME - Methyl Mercury	6020B - Dissolved Metals (ICP/MS) - 27 elements	1638 - Dissolved Uranium only (ICP/MS) (field f	1631E - Dissolved Mercury, Low Level (CVAFS) (fi	1630_ME - Dissolved Methyl Mercury (field filtered)	5310C - TOC	Total Number of containers	Special Instructions/Note:
				Preservation Code:				S	N	CB	B	S	D	D	N	A	D	D	N	A	S		
11	TBS-01-20241211	12-11-24	1020	G	Water			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	22	
12	TBS-01-20241211_FBLL	12-11-24	1020	G	Water										✓							2	
13	BNC-01-20241211	12-11-24	1235	G	Water			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	22	
14	BNC-01-20241211_FBLL	12-11-24	1235	G	Water										✓							2	
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested I, II, III, IV, Other (specify)

Special Instructions/QC Requirements MDLs must meet Michigan requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment: FedEx Priority Overnight

Relinquished by	Date/Time:	Company	Received by	Date/Time	Company
Ellen Coppernoll	12-12-24 / 1600	MSGr	4221 9522 2899	12-12-24 / 1600	Fedex
Relinquished by	Date/Time:	Company	Received by: Stephanie Hernandez	Date/Time: 12/13/24 0920	Company: EEL
Relinquished by	Date/Time	Company	Received by	Date/Time	Company

Custody Seals Intact Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks

JED CHRESTENSEN
THE MANNIK & SMITH GROUP
616 SHELDEN AVE
SUITE 210
HOUGHTON, MI 49931
UNITED STATES US

ACTWGT: 25.00 LB MAN
CAD: 0780307/CAFE3855

TO **SAMPLE RECEIPT**
EUROFINS CHICAGO
2417 BOND ST.

UNIVERSITY PARK IL 60484

(708) 534-5200 REF
INV:
PO: DEPT

RMA

FedEx Express

J243024070401yn

FedEx
TRK# 0221 4221 9522 2899

RETURNS MON-SAT
FRI - 13 DEC AA
PRIORITY OVERNIGHT

XP JOTA

60484
IL-US
ORD

5878720 12Dec2024 CNXA 581G4/EB78/5FE5

SUITE 210
HOUGHTON, MI 49931
UNITED STATES US

CAD: 0780307/CAFE3855

TO **SAMPLE RECEIPT**
EUROFINS CHICAGO
2417 BOND ST.

UNIVERSITY PARK IL 60484

(708) 534-5200 REF
INV:
PO: DEPT

RMA

FedEx Express

J243024070401yn

FedEx
TRK# 0221 4221 9522 2590

FRI - 13 DEC AA
PRIORITY OVERNIGHT

XP JOTA

60484
IL-US
ORD

5878720 12Dec2024 CNXA 581G4/EB78/5FE5

500-261545 Waybi


JED CHRESTENSEN
THE MANNIK & SMITH GROUP
616 SHELDEN AVE
SUITE 210
HOUGHTON, MI 49931
UNITED STATES US
ACTWGT: 25.00 LB MAN
CAD: 0780307/CAFE3855
TO SAMPLE RECEIPT
EUROFINS CHICAGO
2417 BOND ST.
UNIVERSITY PARK IL 60484
(708) 534-5200
REF.
INV:
PO:
DEPT
RMA
FedEx Express
RETURNS MON-SAT
PRIORITY OVERNIGHT
TRK# 0221 4221 9522 2580
FRI - 13 DEC AA
PRIORITY OVERNIGHT
XP JOTA
60484
IL-US
ORD
5878720 12Dec2024 CNXA 581G4/EB78/5FE5


HOUGHTON, MI 49931
UNITED STATES US
TO SAMPLE RECEIPT
EUROFINS CHICAGO
2417 BOND ST.
UNIVERSITY PARK IL 60484
(708) 534-5200
REF
INV:
PO
DEPT
RMA
FedEx Express
TRK# 0221 4221 9522 2888
FRI - 13 DEC AA
PRIORITY OVERNIGHT
XP JOTA
60484
IL-US
ORD
5878720 12Dec2024 CNXA 581G4/EB78/5FE5

Eurofins Chicago
2417 Bond Street
University Park, IL 60484
Phone: 708-534-5200 Fax: 708-534-5211

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Fredrick, Sandie	Carrier Tracking No(s): N/A	COC No: 500-196238.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Sandra.Fredrick@et.eurofinsus.com	State of Origin: Michigan	Page: Page 1 of 2
Company: Eurofins Environment Testing Northwest,		Accreditations Required (See note): N/A		Job #: 500-261545-1
Address: 5755 8th Street East,	Due Date Requested: 1/7/2025			
City: Tacoma	TAT Requested (days): N/A			
State, Zip: WA, 98424				
Phone: 253-922-2310(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: White Pines, MI	Project #: 50023455			
Site: N/A	SSOW#: N/A			

Analysis

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	1638/1638_Prep_W Uranium only (ICP/MS)	1631E/ Mercury, Low Level (CVAFS)	1630_ME/1630_Dist_PFP Methyl Mercury	1638/FIELD_FLTRD Dissolved Uranium only (ICP/MS) (field f	1631E/FIELD_FLTRD Dissolved Mercury, Low Level (CVAFS) (fi	1630_ME/FIELD_FLTRD Dissolved Methyl Mercury (field filtered	Total
			Preservation Code:										
PRC-01_20241211 (500-261545-1)	12/11/24	16:00 Eastern	G	Water			X	X	X	X	X	X	8
PRC-01_20241211_FBLL (500-261545-2)	12/11/24	16:00 Eastern	G	Water				X					2
ARC-03_20241211 (500-261545-3)	12/11/24	10:00 Eastern	G	Water			X	X	X	X	X	X	8
ARC-03_20241211_FBLL (500-261545-4)	12/11/24	10:00 Eastern	G	Water				X					2
PTC-01_20241211 (500-261545-5)	12/11/24	12:00 Eastern	G	Water			X	X	X	X	X	X	8
PTC-01_20241211_FBLL (500-261545-6)	12/11/24	12:00 Eastern	G	Water				X					2
TBN-01_20241211 (500-261545-7)	12/11/24	11:05 Eastern	G	Water			X	X	X	X	X	X	8
TBN-01_20241211_FBLL (500-261545-8)	12/11/24	11:05 Eastern	G	Water				X					2
BNW-01_20241211 (500-261545-9)	12/11/24	15:45 Eastern	G	Water			X	X	X	X	X	X	8

Therm. ID: SC011 Cust. Seal: Y / N
Uncorr./Corr. Temp: 0.1 / 1.0 °C
Delivery: UPS / FedEx / Other: ____
Ice Type: Blue / Dry / Wet / None
Label Ver.: ____ Packing: B

Therm. ID: SC011 Cust. Seal: Y / N
Uncorr./Corr. Temp: 0.3 / 1.2 °C
Delivery: UPS / FedEx / Other: ____
Ice Type: Blue / Dry / Wet / None
Label Ver.: ____ Packing: B

Therm. ID: 11 Uncorr: 1.9 Corr: 0.9
Cooler Dsc: S B FedEx: 490
Packing: bub UPS: ____
Cust. Seal: Yes ___ No ___ Lab Cour: ____
Blue Ice, Wet, Dry, None Other: ____

Note: Since laboratory accreditations are subject to change, Eurofins Chicago places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Chicago laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Chicago attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Chicago.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For ____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	[signature]	12/13/24 1600		[signature]	12-14-24 930	EEN
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 10/10/2024

Eurofins Chicago
2417 Bond Street
University Park, IL 60484
Phone: 708-534-5200 Fax: 708-534-5211

Chain of Custody Record

eurofins | Environment Testing

1/9/2025

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Fredrick, Sandie	Carrier Tracking No(s): N/A	COC No: 500-196238.2
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Sandra.Fredrick@et.eurofinsus.com	State of Origin: Michigan	Page: Page 2 of 2
Company: Eurofins Environment Testing Northwest,		Accreditations Required (See note): N/A		Job #: 500-261545-1
Address: 5755 8th Street East, ,	Due Date Requested: 1/7/2025			
City: Tacoma	TAT Requested (days): N/A			
State, Zip: WA, 98424				
Phone: 253-922-2310(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: White Pines, MI	Project #: 50023455			
Site: N/A	SSOW#: N/A			

Analysis Requested

Preservation Codes:
-

Other:
N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	1638/1638_Prep_W Uranium only (ICP/MS)	1631E/ Mercury, Low Level (CVAFS)	1630_ME/1630_Dist_PFP Methyl Mercury	1638/FIELD_FLTRD Dissolved Uranium only (ICP/MS) (field f	1631E/FIELD_FLTRD Dissolved Mercury, Low Level (CVAFS) (fi	1630_ME/FIELD_FLTRD Dissolved Methyl Mercury (field filtered	Total Number of containers
Preservation Code:													
BNW-01_20241211_FBLL (500-261545-10)	12/11/24	15:45 Eastern	G	Water				X					2
TBS-01_20241211 (500-261545-11)	12/11/24	10:20 Eastern	G	Water			X	X	X	X	X	X	8
TBS-01_20241211_FBLL (500-261545-12)	12/11/24	10:20 Eastern	G	Water				X					2
BNC-01_20241211 (500-261545-13)	12/11/24	12:35 Eastern	G	Water			X	X	X	X	X	X	8
BNC-01_20241210_FBLL (500-261545-14)	12/11/24	12:35 Eastern	G	Water				X					2

Special Instructions/Note:

Therm. ID: 11 Cor: 0.9 Temp: 1.9 °
Cooler Dsc: SB FedEx: FAO
Packing: BUB UPS:
Cust. Seal: Yes No Lab Courr:
Blue Ice, Wet, Dry, None Other:

Note: Since laboratory accreditations are subject to change, Eurofins Chicago places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If ently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Chicago laboratory or other instructions will be provided. Any changes to accreditation status should be b. ttention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Chicago.

Possible Hazard Identification *Unconfirmed*	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)* ☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by: Shannon Scott	Date/Time: 12/13/24 1600	Company	Received by:	Date/Time: 12-14-24 930	Company ECHN
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 10/10/2024

Eurofins Chicago
2417 Bond Street
University Park, IL 60484
Phone: 708-534-5200 Fax: 708-534-5211

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Fredrick, Sandie	Carrier Tracking No(s): N/A	COC No: 500-196238.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Sandra.Fredrick@et.eurofinsus.com	State of Origin: Michigan	Page: Page 1 of 2
Company: Eurofins Environment Testing Northwest,		Accreditations Required (See note): N/A		Job #: 500-261545-1
Address: 5755 8th Street East, ,	Due Date Requested: 1/7/2025			
City: Tacoma	TAT Requested (days): N/A			
State, Zip: WA, 98424				
Phone: 253-922-2310(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: White Pines, MI	Project #: 50023455			
Site: N/A	SSOW#: N/A			

Analysis

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	1638/1638_Prep_W Uranium only (ICP/MS)	1631E/ Mercury, Low Level (CVAFS)	1630_ME/1630_Dist_PFP Methyl Mercury	1638/FIELD_FLTRD Dissolved Uranium only (ICP/MS) (field f	1631E/FIELD_FLTRD Dissolved Mercury, Low Level (CVAFS) (fi	1630_ME/FIELD_FLTRD Dissolved Methyl Mercury (field filtered	Total	Special Instructions/Note:
Preservation Code:														
PRC-01_20241211 (500-261545-1)	12/11/24	16:00 Eastern	G	Water			X	X	X	X	X	X	8	
PRC-01_20241211_FBLL (500-261545-2)	12/11/24	16:00 Eastern	G	Water				X					2	
ARC-03_20241211 (500-261545-3)	12/11/24	10:00 Eastern	G	Water			X	X	X	X	X	X	8	
ARC-03_20241211_FBLL (500-261545-4)	12/11/24	10:00 Eastern	G	Water				X					2	
PTC-01_20241211 (500-261545-5)	12/11/24	12:00 Eastern	G	Water			X	X	X	X	X	X	8	
PTC-01_20241211_FBLL (500-261545-6)	12/11/24	12:00 Eastern	G	Water				X					2	
TBN-01_20241211 (500-261545-7)	12/11/24	11:05 Eastern	G	Water			X	X	X	X	X	X	8	
TBN-01_20241211_FBLL (500-261545-8)	12/11/24	11:05 Eastern	G	Water				X					2	
BNW-01_20241211 (500-261545-9)	12/11/24	15:45 Eastern	G	Water			X	X	X	X	X	X	8	

Therm. ID: SC011 Cust. Seal: (Y) / N
Uncorr./Corr. Temp: 0.1/-0.1 °C
Delivery: UPS / FedEx / Other: ____
Ice Type: Blue / Dry / Wet / None
Label Ver.: ____ Packing: B

Therm. ID: SC011 Cust. Seal: (Y) / N
Uncorr./Corr. Temp: 0.3/-0.1 °C
Delivery: UPS / FedEx / Other: ____
Ice Type: Blue / Dry / Wet / None
Label Ver.: ____ Packing: B

Ly Blue

Therm. ID: 11 Cor: 0.9 Unc: 1.9
Cooler Dsc: SB FedEx: FED
Packing: bub UPS:
Cust. Seal: Yes ___ No ___ Lab Cour:
Blue Ice, (Wet, Dry, None Other:

Note: Since laboratory accreditations are subject to change, Eurofins Chicago places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Chicago laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Chicago attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Chicago.

Possible Hazard Identification *Unconfirmed*	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*** ☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time: 12/13/24 1600	Company	Received by:	Date/Time: 12-14-24 930	Company EEN
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 10/10/2024

Eurofins Chicago
2417 Bond Street
University Park, IL 60484
Phone: 708-534-5200 Fax: 708-534-5211

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Fredrick, Sandie	Carrier Tracking No(s): N/A	COC No: 500-196238.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Sandra.Fredrick@et.eurofinsus.com	State of Origin: Michigan	Page: Page 1 of 2
Company: Eurofins Environment Testing Northwest,		Accreditations Required (See note): N/A		Job #: 500-261545-1
Address: 5755 8th Street East, ,	Due Date Requested: 1/7/2025			
City: Tacoma	TAT Requested (days): N/A			
State, Zip: WA, 98424				
Phone: 253-922-2310(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: White Pines, MI	Project #: 50023455			
Site: N/A	SSOW#: N/A			

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	1638/1638_Prep_W Uranium only (ICP/MS)	1631E/ Mercury, Low Level (CVAFS)	1630_ME/1630_Dist_PFP Methyl Mercury	1638/FIELD_FLTRD Dissolved Uranium only (ICP/MS) (field f	1631E/FIELD_FLTRD Dissolved Mercury, Low Level (CVAFS) (fi	1630_ME/FIELD_FLTRD Dissolved Methyl Mercury (field filtered	Total
Preservation Code:													
PRC-01_20241211 (500-261545-1)	12/11/24	16:00 Eastern	G	Water			X	X	X	X	X	X	8
PRC-01_20241211_FBLL (500-261545-2)	12/11/24	16:00 Eastern	G	Water				X					2
ARC-03_20241211 (500-261545-3)	12/11/24	10:00 Eastern	G	Water			X	X	X	X	X	X	8
ARC-03_20241211_FBLL (500-261545-4)	12/11/24	10:00 Eastern	G	Water				X					2
PTC-01_20241211 (500-261545-5)	12/11/24	12:00 Eastern	G	Water			X	X	X	X	X	X	8
PTC-01_20241211_FBLL (500-261545-6)	12/11/24	12:00 Eastern	G	Water				X					2
TBN-01_20241211 (500-261545-7)	12/11/24	11:05 Eastern	G	Water			X	X	X	X	X	X	8
TBN-01_20241211_FBLL (500-261545-8)	12/11/24	11:05 Eastern	G	Water				X					2
BNW-01_20241211 (500-261545-9)	12/11/24	15:45 Eastern	G	Water			X	X	X	X	X	X	8

Note: Since laboratory accreditations are subject to change, Eurofins Chicago places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Chicago laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Chicago attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Chicago.

Possible Hazard Identification *Unconfirmed*	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*** ☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:
Relinquished by: [signature]	Date/Time: 12/13/24 1000	Company	Received by: [signature] Date/Time: 12-14-24 930 Company: Eeth
Relinquished by:	Date/Time:	Company	Received by: Date/Time: Company
Relinquished by:	Date/Time:	Company	Received by: Date/Time: Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 10/10/2024

1/9/2025

Eurofins Chicago
2417 Bond Street
University Park, IL 60484
Phone: 708-534-5200 Fax: 708-534-5211

Chain of Custody Record

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1/9/2025

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Fredrick, Sandie	Carrier Tracking No(s): N/A	COC No: 500-196238.2
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Sandra.Fredrick@et.eurofinsus.com	State of Origin: Michigan	Page: Page 2 of 2
Company: Eurofins Environment Testing Northwest,		Accreditations Required (See note): N/A		Job #: 500-261545-1
Address: 5755 8th Street East, ,	Due Date Requested: 1/7/2025			Preservation Codes: -
City: Tacoma	TAT Requested (days): N/A			
State, Zip: WA, 98424				
Phone: 253-922-2310(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: White Pines, MI	Project #: 50023455			
Site: N/A	SSOW#: N/A			Other: N/A

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	1638/1638_Prep_W Uranium only (ICP/MS)	1631E/ Mercury, Low Level (CVAFS)	1630_ME/1630_Dist_PFP Methyl Mercury	1638/FIELD_FLTRD Dissolved Uranium only (ICP/MS) (field f	1631E/FIELD_FLTRD Dissolved Mercury, Low Level (CVAFS) (fi	1630_ME/FIELD_FLTRD Dissolved Methyl Mercury (field filtered	Total Number of containers
			Preservation Code:										
BNW-01_20241211_FBLL (500-261545-10)	12/11/24	15:45 Eastern	G	Water				X					2
TBS-01_20241211 (500-261545-11)	12/11/24	10:20 Eastern	G	Water			X	X	X	X	X	X	8
TBS-01_20241211_FBLL (500-261545-12)	12/11/24	10:20 Eastern	G	Water				X					2
BNC-01_20241211 (500-261545-13)	12/11/24	12:35 Eastern	G	Water			X	X	X	X	X	X	8
BNC-01_20241210_FBLL (500-261545-14)	12/11/24	12:35 Eastern	G	Water				X					2

Special Instructions/Note:

Therm. ID: 11 Cor: 0.9 Tmc: 1.9 °
Cooler Dsc: SR FedEx: GO
Packing: Bub UPS:
Cust. Seal: Yes No Lab Cour:
Blue Ice, Wet, Dry, None Other:

Note: Since laboratory accreditations are subject to change, Eurofins Chicago places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If ... ently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Chicago laboratory or other instructions will be provided. Any changes to accreditation status should be b... attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Chicago.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	[signature]	12/13/24 1600		[signature]	12-14-24 930	ECH
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 10/10/2024

Login Sample Receipt Checklist

Client: White Pine Copper LLC

Job Number: 500-261545-1

Login Number: 261545
List Number: 1
Creator: Scott, Sherri L

List Source: Eurofins Chicago

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	5.8,5.4,5.7,5.8
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	False	Refer to Job Narrative for details.
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: White Pine Copper LLC

Job Number: 500-261545-1

Login Number: 261545
List Number: 2
Creator: Miller, Darren R

List Source: Eurofins Seattle Specialty Metals
List Creation: 12/16/24 10:46 AM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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500-261545 Field Sheet

Date:	12/16/2024
End Time:	10:55
pH Paper Lot:	hc441704
Analyst:	KL

Preservative ID	Preservative Type	Container ID
A	Nitric Acid	na
ZZZZZZZZZZZZZZZZ	ZZZZZZZZZZZZZZZZZZZZZZZZ	ZZZZZZZZZZ
ZZZZZZZZZZZZZZZZ	ZZZZZZZZZZZZZZZZZZZZZZZZ	ZZZZZZZZZZ
ZZZZZZZZZZZZZZZZ	ZZZZZZZZZZZZZZZZZZZZZZZZ	ZZZZZZZZZZ

Sample ID	Initial pH	Final pH	Preservative ID	Preservative Added (mL)	Comments
500-261545-N-7	<2				
500-261545-M-11	<2				
500-261545-M-3	<2				
500-261545-N-13	<2				
500-261545-N-11	<2				
500-261545-N-3	<2				
500-261545-N-1	<2				
500-261545-M-9	<2				
500-261545-N-5	<2				
500-261545-N-9	<2				
500-261545-M-11	<2				
500-261545-M-7	<2				
500-261545-M-5	<2				
500-261545-M-13	<2				

KL 12/16/24

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500-261545 Field Sheet

Date:	12/16/2024
End Time:	12:15
pH Paper Lot:	hc441704
Analyst:	IR

Preservative ID	Preservative Type	Container ID
A	Hydrochloric Acid	na
ZZZZZZZZZZZZZZZZ	ZZZZZZZZZZZZZZZZZZZZZZZZ	ZZZZZZZZZZ
ZZZZZZZZZZZZZZZZ	ZZZZZZZZZZZZZZZZZZZZZZZZ	ZZZZZZZZZZ
ZZZZZZZZZZZZZZZZ	ZZZZZZZZZZZZZZZZZZZZZZZZ	ZZZZZZZZZZ

Sample ID	Initial pH	Final pH	Preservative ID	Preservative Added (mL)	Comments
500-261545-E-11	<2				
500-261545-F-7	<2				
500-261545-F-11	<2				
500-261545-F-11	<2				
500-261545-F-13	<2				
500-261545-F-3	<2				
500-261545-E-7	<2			IR 12/16/24	
500-261545-E-9	<2				
500-261545-E-5	<2				
500-261545-F-9	<2				
500-261545-F-5	<2				
500-261545-E-13	<2				
500-261545-E-3	<2				
500-261545-E-1	<2				

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ANALYTICAL REPORT

PREPARED FOR

Attn: Amanda Zeidler
White Pine Copper LLC
35362 Mall Circle Drive
White Pine, Michigan 49971

Generated 1/10/2025 10:20:31 AM

JOB DESCRIPTION

White Pines, MI

JOB NUMBER

500-261748-1

Eurofins Chicago
2417 Bond Street
University Park IL 60484

See page two for job notes and contact information.

my EOL

Job Notes

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. This report is confidential and is intended for the sole use of Eurofins Environment Testing North Central, LLC and its client. All questions regarding this report should be directed to the Eurofins Environment Testing North Central, LLC Project Manager who has signed this report.

Results relate only to the items tested and the sample(s) as received by the laboratory. The results, detection limits (LOD) and Quantitation Limits (LOQ) have been adjusted for sample dilutions and/or solids content.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Chicago Project Manager.

Compliance Statement

The LOD and LOQ reported are adjusted by the dilution factor when a dilution factor greater than 1 is needed. Additionally, where results are indicated as being reported on a dry weight basis, the LOD and LOQ are adjusted for moisture content as well.

Definitions of Limits
- LOD = Limit of Detection = MDL as defined by 40 CFR part 136 Appendix B
- LOQ = Limit of Quantitation = 3.33 x LOD as defined by Wisconsin
- RL = Report Limit = a concentration supported by a standard in the calibration curves

Authorization



Generated
1/10/2025 10:20:31 AM

Authorized for release by
Sandie Fredrick, Senior Project Manager
Sandra.Fredrick@et.eurofinsus.com
(920)261-1660

Table of Contents

Cover Page 1
Table of Contents 3
Case Narrative 4
Detection Summary 5
Method Summary 12
Sample Summary 13
Client Sample Results 14
Definitions 34
QC Association 35
QC Sample Results 43
Chronicle 61
Certification Summary 66
Chain of Custody 67
Receipt Checklists 75
Field Data Sheets 77

Job Narrative
500-261748-1

Receipt
The samples were received on 12/18/2024 9:41 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 4 coolers at receipt time were 3.9º C, 4.0º C, 5.5º C and 5.7º C.

Receipt Exceptions
The Chain-of-Custody (COC) was incomplete as received and/or improperly completed. Sample #3 and #4 are MS/MSD samples. Client submitted duplicate COC of the first page but did not check off which sample was QC.

The following sample(s) was received outside of holding time: for IC N2 and N3, sample #5 was received with insufficient time, sampled 12/16 1130 EST, received 12/18 1005 CST.

Metals
Method 1630: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for the following sample associated with preparation batch 350-4263 and analytical batch 350-4287 were outside control limits: DKC-03_20241216 (500-261748-3[MSD]) and (350-1367-A-8-C MSD). The associated laboratory control sample (LCS) recovery met acceptance criteria.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Field Service / Mobile Lab
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

General Chemistry
Method 300.0: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 500-799925 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 300.0: The following sample(s) was analyzed outside of analytical holding time due to system outages. LKS-01_20241216 (500-261748-5)

Method 300.0: The following samples were received outside of holding time: DKC-03_20241216 (500-261748-3), DKC-03_20241216 (500-261748-3[MS]), DKC-03_20241216 (500-261748-3[MSD]) and MLR-01_20241216 (500-261748-7).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261748-1

Client Sample ID: MLR-02_20241216 — Lab Sample ID: 500-261748-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl Mercury	0.036	J	0.050	0.022	ng/L	1		1630	Dissolved
Mercury	4.3		0.50	0.20	ng/L	1		1631E	Total/NA
Mercury	3.0		0.50	0.20	ng/L	1		1631E	Dissolved
Uranium	0.21		0.050	0.0098	ug/L	1		1638	Total Recoverable
Uranium	0.18		0.050	0.0098	ug/L	1		1638	Dissolved
Aluminum	1000		100	25	ug/L	1		6020B	Total Recoverable
Arsenic	0.49	J	1.0	0.23	ug/L	1		6020B	Total Recoverable
Barium	29		2.5	0.73	ug/L	1		6020B	Total Recoverable
Boron	29	J B	50	13	ug/L	1		6020B	Total Recoverable
Calcium	18000		200	44	ug/L	1		6020B	Total Recoverable
Chromium	1.3	J	5.0	1.1	ug/L	1		6020B	Total Recoverable
Copper	37		2.0	0.50	ug/L	1		6020B	Total Recoverable
Iron	1100		100	47	ug/L	1		6020B	Total Recoverable
Lead	0.43	J	0.50	0.19	ug/L	1		6020B	Total Recoverable
Magnesium	4600		200	49	ug/L	1		6020B	Total Recoverable
Manganese	18		2.5	0.79	ug/L	1		6020B	Total Recoverable
Nickel	0.90	J	2.0	0.63	ug/L	1		6020B	Total Recoverable
Potassium	1200		500	110	ug/L	1		6020B	Total Recoverable
Sodium	11000		200	77	ug/L	1		6020B	Total Recoverable
Strontium	45		4.0	0.64	ug/L	1		6020B	Total Recoverable
Aluminum	110		100	25	ug/L	1		6020B	Dissolved
Arsenic	0.39	J	1.0	0.23	ug/L	1		6020B	Dissolved
Barium	21		2.5	0.73	ug/L	1		6020B	Dissolved
Boron	39	J B	50	13	ug/L	1		6020B	Dissolved
Calcium	17000		200	44	ug/L	1		6020B	Dissolved
Copper	30		2.0	0.50	ug/L	1		6020B	Dissolved
Iron	410		100	47	ug/L	1		6020B	Dissolved
Magnesium	4300		200	49	ug/L	1		6020B	Dissolved
Manganese	7.7		2.5	0.79	ug/L	1		6020B	Dissolved
Potassium	960		500	110	ug/L	1		6020B	Dissolved
Sodium	11000		200	77	ug/L	1		6020B	Dissolved
Strontium	42		4.0	0.64	ug/L	1		6020B	Dissolved
Hardness as calcium carbonate	63		0.91	0.46	mg/L	1		SM 2340B	Total Recoverable
Chloride	17		1.0	0.42	mg/L	1		300.0	Total/NA
Sulfate	4.3		1.0	0.47	mg/L	1		300.0	Total/NA
Alkalinity	61		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	61		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	120		10	4.3	mg/L	1		SM 2540C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: MLR-02_20241216 (Continued) — Lab Sample ID: 500-261748-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Suspended Solids	4.4	J	5.0	1.9	mg/L	1		SM 2540D	Total/NA
Sulfide	1.4		1.0	0.23	mg/L	1		SM 4500 S2 F	Total/NA
Total Organic Carbon	11		1.0	0.47	mg/L	1		SM 5310C	Total/NA
Dissolved Organic Carbon	11		1.0	0.47	mg/L	1		SM 5310C	Dissolved

Client Sample ID: MLR-02_20241216_FBLL — Lab Sample ID: 500-261748-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	0.21	J	0.50	0.20	ng/L	1		1631E	Total/NA

Client Sample ID: DKC-03_20241216 — Lab Sample ID: 500-261748-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl Mercury	0.030	J	0.050	0.022	ng/L	1		1630	Total/NA
Methyl Mercury	0.035	J F1	0.050	0.022	ng/L	1		1630	Dissolved
Mercury	3.9		0.50	0.20	ng/L	1		1631E	Total/NA
Mercury	2.9		0.50	0.20	ng/L	1		1631E	Dissolved
Uranium	0.14		0.050	0.0098	ug/L	1		1638	Total Recoverable
Uranium	0.12		0.050	0.0098	ug/L	1		1638	Dissolved
Aluminum	870		100	25	ug/L	1		6020B	Total Recoverable
Arsenic	0.41	J	1.0	0.23	ug/L	1		6020B	Total Recoverable
Barium	34		2.5	0.73	ug/L	1		6020B	Total Recoverable
Boron	23	J B	50	13	ug/L	1		6020B	Total Recoverable
Calcium	12000		200	44	ug/L	1		6020B	Total Recoverable
Chromium	1.3	J	5.0	1.1	ug/L	1		6020B	Total Recoverable
Cobalt	0.46	J	1.0	0.40	ug/L	1		6020B	Total Recoverable
Copper	10		2.0	0.50	ug/L	1		6020B	Total Recoverable
Iron	1400	F1	100	47	ug/L	1		6020B	Total Recoverable
Lead	2.3		0.50	0.19	ug/L	1		6020B	Total Recoverable
Magnesium	3400		200	49	ug/L	1		6020B	Total Recoverable
Manganese	45		2.5	0.79	ug/L	1		6020B	Total Recoverable
Nickel	1.1	J	2.0	0.63	ug/L	1		6020B	Total Recoverable
Potassium	1200		500	110	ug/L	1		6020B	Total Recoverable
Sodium	3400		200	77	ug/L	1		6020B	Total Recoverable
Strontium	46		4.0	0.64	ug/L	1		6020B	Total Recoverable
Vanadium	2.5	J	5.0	2.2	ug/L	1		6020B	Total Recoverable
Zinc	11	J	20	6.9	ug/L	1		6020B	Total Recoverable
Aluminum	43	J	100	25	ug/L	1		6020B	Dissolved

This Detection Summary does not include radiochemical test results.

Client Sample ID: DKC-03_20241216 (Continued) — Lab Sample ID: 500-261748-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.23	J	1.0	0.23	ug/L	1		6020B	Dissolved
Barium	25		2.5	0.73	ug/L	1		6020B	Dissolved
Boron	25	J B	50	13	ug/L	1		6020B	Dissolved
Calcium	11000		200	44	ug/L	1		6020B	Dissolved
Copper	6.2		2.0	0.50	ug/L	1		6020B	Dissolved
Iron	300		100	47	ug/L	1		6020B	Dissolved
Magnesium	3200		200	49	ug/L	1		6020B	Dissolved
Manganese	7.0		2.5	0.79	ug/L	1		6020B	Dissolved
Potassium	1000		500	110	ug/L	1		6020B	Dissolved
Sodium	3300		200	77	ug/L	1		6020B	Dissolved
Strontium	44		4.0	0.64	ug/L	1		6020B	Dissolved
Hardness as calcium carbonate	43		0.91	0.46	mg/L	1		SM 2340B	Total Recoverable
Chloride	3.3		1.0	0.42	mg/L	1		300.0	Total/NA
Sulfate	4.5	F1	1.0	0.47	mg/L	1		300.0	Total/NA
Alkalinity	44		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	44		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	66		10	4.3	mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	7.8		5.0	1.9	mg/L	1		SM 2540D	Total/NA
Sulfide	0.89	J	1.0	0.23	mg/L	1		SM 4500 S2 F	Total/NA
Total Organic Carbon	8.8		1.0	0.47	mg/L	1		SM 5310C	Total/NA
Dissolved Organic Carbon	8.5		1.0	0.47	mg/L	1		SM 5310C	Dissolved

Client Sample ID: DKC-03_20241216_FBLL — Lab Sample ID: 500-261748-4

No Detections.

Client Sample ID: LKS-01_20241216 — Lab Sample ID: 500-261748-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	1.7		0.50	0.20	ng/L	1		1631E	Total/NA
Mercury	1.7		0.50	0.20	ng/L	1		1631E	Dissolved
Uranium	0.22		0.050	0.0098	ug/L	1		1638	Total Recoverable
Uranium	0.19		0.050	0.0098	ug/L	1		1638	Dissolved
Aluminum	500		100	25	ug/L	1		6020B	Total Recoverable
Arsenic	0.51	J	1.0	0.23	ug/L	1		6020B	Total Recoverable
Barium	65		2.5	0.73	ug/L	1		6020B	Total Recoverable
Boron	30	J B	50	13	ug/L	1		6020B	Total Recoverable
Calcium	23000		200	44	ug/L	1		6020B	Total Recoverable
Copper	4.4		2.0	0.50	ug/L	1		6020B	Total Recoverable
Iron	550		100	47	ug/L	1		6020B	Total Recoverable
Lead	0.23	J	0.50	0.19	ug/L	1		6020B	Total Recoverable
Magnesium	5100		200	49	ug/L	1		6020B	Total Recoverable
Manganese	14		2.5	0.79	ug/L	1		6020B	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client Sample ID: LKS-01_20241216 (Continued) — Lab Sample ID: 500-261748-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nickel	0.89	J	2.0	0.63	ug/L	1		6020B	Total Recoverable
Potassium	1000		500	110	ug/L	1		6020B	Total Recoverable
Sodium	17000		200	77	ug/L	1		6020B	Total Recoverable
Strontium	56		4.0	0.64	ug/L	1		6020B	Total Recoverable
Arsenic	0.36	J	1.0	0.23	ug/L	1		6020B	Dissolved
Barium	49		2.5	0.73	ug/L	1		6020B	Dissolved
Boron	35	J B	50	13	ug/L	1		6020B	Dissolved
Calcium	22000		200	44	ug/L	1		6020B	Dissolved
Copper	3.0		2.0	0.50	ug/L	1		6020B	Dissolved
Magnesium	4700		200	49	ug/L	1		6020B	Dissolved
Potassium	850		500	110	ug/L	1		6020B	Dissolved
Sodium	14000		200	77	ug/L	1		6020B	Dissolved
Strontium	51		4.0	0.64	ug/L	1		6020B	Dissolved
Tin	2.2	J	5.0	1.3	ug/L	1		6020B	Dissolved
Hardness as calcium carbonate	78		0.91	0.46	mg/L	1		SM 2340B	Total Recoverable
Nitrate as N	0.48	J H	1.0	0.37	mg/L	1		300.0	Total/NA
Chloride	41		1.0	0.42	mg/L	1		300.0	Total/NA
Nitrate Nitrite as N	0.48	J H	1.0	0.37	mg/L	1		300.0	Total/NA
Sulfate	4.4		1.0	0.47	mg/L	1		300.0	Total/NA
Alkalinity	61		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	61		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	150		10	4.3	mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	15		5.0	1.9	mg/L	1		SM 2540D	Total/NA
Total Organic Carbon	3.9		1.0	0.47	mg/L	1		SM 5310C	Total/NA
Dissolved Organic Carbon	3.7		1.0	0.47	mg/L	1		SM 5310C	Dissolved

Client Sample ID: LKS-01_20241216_FBLL — Lab Sample ID: 500-261748-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	0.31	J	0.50	0.20	ng/L	1		1631E	Total/NA

Client Sample ID: MLR-01_20241216 — Lab Sample ID: 500-261748-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl Mercury	0.034	J	0.050	0.022	ng/L	1		1630	Total/NA
Methyl Mercury	0.054		0.050	0.022	ng/L	1		1630	Dissolved
Mercury	6.4		0.50	0.20	ng/L	1		1631E	Total/NA
Mercury	4.6		0.50	0.20	ng/L	1		1631E	Dissolved
Uranium	0.22		0.050	0.0098	ug/L	1		1638	Total Recoverable
Uranium	0.18		0.050	0.0098	ug/L	1		1638	Dissolved
Aluminum	1500		100	25	ug/L	1		6020B	Total Recoverable
Arsenic	0.41	J	1.0	0.23	ug/L	1		6020B	Total Recoverable
Barium	24		2.5	0.73	ug/L	1		6020B	Total Recoverable
Boron	26	J B	50	13	ug/L	1		6020B	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client Sample ID: MLR-01_20241216 (Continued) — Lab Sample ID: 500-261748-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	10000		200	44	ug/L	1		6020B	Total Recoverable
Chromium	1.8	J	5.0	1.1	ug/L	1		6020B	Total Recoverable
Cobalt	0.42	J	1.0	0.40	ug/L	1		6020B	Total Recoverable
Copper	10		2.0	0.50	ug/L	1		6020B	Total Recoverable
Iron	1800		100	47	ug/L	1		6020B	Total Recoverable
Lead	0.59		0.50	0.19	ug/L	1		6020B	Total Recoverable
Magnesium	3100		200	49	ug/L	1		6020B	Total Recoverable
Manganese	21		2.5	0.79	ug/L	1		6020B	Total Recoverable
Nickel	1.2	J	2.0	0.63	ug/L	1		6020B	Total Recoverable
Potassium	1100		500	110	ug/L	1		6020B	Total Recoverable
Sodium	4500		200	77	ug/L	1		6020B	Total Recoverable
Strontium	30		4.0	0.64	ug/L	1		6020B	Total Recoverable
Vanadium	2.7	J	5.0	2.2	ug/L	1		6020B	Total Recoverable
Aluminum	150		100	25	ug/L	1		6020B	Dissolved
Arsenic	0.30	J	1.0	0.23	ug/L	1		6020B	Dissolved
Barium	16		2.5	0.73	ug/L	1		6020B	Dissolved
Boron	25	J B	50	13	ug/L	1		6020B	Dissolved
Calcium	10000		200	44	ug/L	1		6020B	Dissolved
Copper	7.1		2.0	0.50	ug/L	1		6020B	Dissolved
Iron	620		100	47	ug/L	1		6020B	Dissolved
Magnesium	2900		200	49	ug/L	1		6020B	Dissolved
Manganese	11		2.5	0.79	ug/L	1		6020B	Dissolved
Potassium	930		500	110	ug/L	1		6020B	Dissolved
Sodium	4700		200	77	ug/L	1		6020B	Dissolved
Strontium	29		4.0	0.64	ug/L	1		6020B	Dissolved
Hardness as calcium carbonate	38		0.91	0.46	mg/L	1		SM 2340B	Total Recoverable
Chloride	5.2		1.0	0.42	mg/L	1		300.0	Total/NA
Sulfate	2.0		1.0	0.47	mg/L	1		300.0	Total/NA
Alkalinity	42		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	42		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	96		10	4.3	mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	2.2	J	5.0	1.9	mg/L	1		SM 2540D	Total/NA
Sulfide	0.94	J	1.0	0.23	mg/L	1		SM 4500 S2 F	Total/NA
Total Organic Carbon	11		1.0	0.47	mg/L	1		SM 5310C	Total/NA
Dissolved Organic Carbon	10		1.0	0.47	mg/L	1		SM 5310C	Dissolved

Client Sample ID: MLR-01_20241216_FBLL — Lab Sample ID: 500-261748-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	0.23	J	0.50	0.20	ng/L	1		1631E	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261748-1

Client Sample ID: LKS-02_20241216 — Lab Sample ID: 500-261748-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	0.80		0.50	0.20	ng/L	1		1631E	Total/NA
Mercury	1.1		0.50	0.20	ng/L	1		1631E	Dissolved
Uranium	0.054		0.050	0.0098	ug/L	1		1638	Total Recoverable
Uranium	0.056		0.050	0.0098	ug/L	1		1638	Dissolved
Aluminum	78	J	100	25	ug/L	1		6020B	Total Recoverable
Arsenic	0.39	J	1.0	0.23	ug/L	1		6020B	Total Recoverable
Barium	14		2.5	0.73	ug/L	1		6020B	Total Recoverable
Boron	19	J B	50	13	ug/L	1		6020B	Total Recoverable
Calcium	14000		200	44	ug/L	1		6020B	Total Recoverable
Copper	1.9	J	2.0	0.50	ug/L	1		6020B	Total Recoverable
Iron	460		100	47	ug/L	1		6020B	Total Recoverable
Magnesium	3400		200	49	ug/L	1		6020B	Total Recoverable
Manganese	50		2.5	0.79	ug/L	1		6020B	Total Recoverable
Potassium	600		500	110	ug/L	1		6020B	Total Recoverable
Sodium	2200		200	77	ug/L	1		6020B	Total Recoverable
Strontium	28		4.0	0.64	ug/L	1		6020B	Total Recoverable
Aluminum	26	J	100	25	ug/L	1		6020B	Dissolved
Arsenic	0.35	J	1.0	0.23	ug/L	1		6020B	Dissolved
Barium	14		2.5	0.73	ug/L	1		6020B	Dissolved
Boron	21	J B	50	13	ug/L	1		6020B	Dissolved
Calcium	14000		200	44	ug/L	1		6020B	Dissolved
Copper	1.6	J	2.0	0.50	ug/L	1		6020B	Dissolved
Iron	330		100	47	ug/L	1		6020B	Dissolved
Magnesium	3300		200	49	ug/L	1		6020B	Dissolved
Manganese	50		2.5	0.79	ug/L	1		6020B	Dissolved
Potassium	580		500	110	ug/L	1		6020B	Dissolved
Sodium	2100		200	77	ug/L	1		6020B	Dissolved
Strontium	28		4.0	0.64	ug/L	1		6020B	Dissolved
Hardness as calcium carbonate	50		0.91	0.46	mg/L	1		SM 2340B	Total Recoverable
Nitrate as N	0.50	J	1.0	0.37	mg/L	1		300.0	Total/NA
Chloride	2.7		1.0	0.42	mg/L	1		300.0	Total/NA
Nitrate Nitrite as N	0.50	J	1.0	0.37	mg/L	1		300.0	Total/NA
Sulfate	3.5		1.0	0.47	mg/L	1		300.0	Total/NA
Alkalinity	50		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	50		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	60		10	4.3	mg/L	1		SM 2540C	Total/NA
Total Organic Carbon	3.8		1.0	0.47	mg/L	1		SM 5310C	Total/NA
Dissolved Organic Carbon	3.9		1.0	0.47	mg/L	1		SM 5310C	Dissolved

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261748-1

Client Sample ID: LKS-02_20241216_FBLL

Lab Sample ID: 500-261748-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	0.24	J	0.50	0.20	ng/L	1		1631E	Total/NA

This Detection Summary does not include radiochemical test results.

Method Summary

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261748-1

Method	Method Description	Protocol	Laboratory
1630	Methyl Mercury	EPA	EET SSM
1631E	Mercury, Low Level (CVAFS)	EPA	EET SSM
1638	Metals (ICP/MS)	EPA	EET SSM
6020B	Metals (ICP/MS)	SW846	EET CHI
SM 2340B	Total Hardness (as CaCO3) by calculation	SM	EET CHI
300.0	Anions, Ion Chromatography	EPA	EET CHI
335.4	Cyanide, Total	EPA	EET CHI
350.1	Nitrogen, Ammonia	EPA	EET CHI
365.1	Phosphorus, Total	EPA	EET CHI
SM 2320B	Alkalinity	SM	EET CHI
SM 2520B	Salinity	SM	EET CHI
SM 2540C	Solids, Total Dissolved (TDS)	SM	EET CHI
SM 2540D	Solids, Total Suspended (TSS)	SM	EET CHI
SM 4500 S2 F	Sulfide, Total	SM	EET CHI
SM 5310C	Organic Carbon, Dissolved (DOC)	SM	EET CHI
SM 5310C	TOC	SM	EET CHI
1630	Distillation, Methyl Mercury	EPA	EET SSM
1638	Preparation, Total Recoverable Metals	EPA	EET SSM
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET CHI
365.2/365.3/365	Phosphorus, Total	EPA	EET CHI
Distill/Ammonia	Distillation, Ammonia	None	EET CHI
Distill/CN	Distillation, Cyanide	None	EET CHI

Protocol References:

EPA = US Environmental Protection Agency

None = None

SM = "Standard Methods For The Examination Of Water And Wastewater"

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET CHI = Eurofins Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

EET SSM = Eurofins Seattle Specialty Metals, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

Sample Summary

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261748-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-261748-1	MLR-02_20241216	Water	12/16/24 14:00	12/18/24 09:41
500-261748-2	MLR-02_20241216_FBLL	Water	12/16/24 14:00	12/18/24 09:41
500-261748-3	DKC-03_20241216	Water	12/16/24 10:30	12/18/24 09:41
500-261748-4	DKC-03_20241216_FBLL	Water	12/16/24 10:30	12/18/24 09:41
500-261748-5	LKS-01_20241216	Water	12/16/24 11:30	12/18/24 09:41
500-261748-6	LKS-01_20241216_FBLL	Water	12/16/24 11:30	12/18/24 09:41
500-261748-7	MLR-01_20241216	Water	12/16/24 09:10	12/18/24 09:41
500-261748-8	MLR-01_20241216_FBLL	Water	12/16/24 09:10	12/18/24 09:41
500-261748-9	LKS-02_20241216	Water	12/16/24 14:00	12/18/24 09:41
500-261748-10	LKS-02_20241216_FBLL	Water	12/16/24 14:00	12/18/24 09:41

Client Sample ID: MLR-02_20241216

Date Collected: 12/16/24 14:00
Date Received: 12/18/24 09:41

Lab Sample ID: 500-261748-1

Matrix: Water

Method: EPA 1630 - Methyl Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		01/02/25 13:00	01/03/25 19:50	1

Method: EPA 1630 - Methyl Mercury - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	**0.036**	**J**	0.050	0.022	ng/L		01/02/25 13:00	01/03/25 20:00	1

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**4.3**		0.50	0.20	ng/L			01/03/25 17:48	1

Method: EPA 1631E - Mercury, Low Level (CVAFS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**3.0**		0.50	0.20	ng/L			01/03/25 17:52	1

Method: EPA 1638 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.21**		0.050	0.0098	ug/L		01/07/25 12:01	01/08/25 17:30	1

Method: EPA 1638 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.18**		0.050	0.0098	ug/L		01/07/25 12:01	01/08/25 17:33	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**1000**		100	25	ug/L		01/07/25 08:07	01/09/25 14:35	1
Antimony	<1.3		3.0	1.3	ug/L		01/07/25 08:07	01/09/25 14:35	1
Arsenic	**0.49**	**J**	1.0	0.23	ug/L		01/07/25 08:07	01/09/25 14:35	1
Barium	**29**		2.5	0.73	ug/L		01/07/25 08:07	01/09/25 14:35	1
Beryllium	<0.53		1.0	0.53	ug/L		01/07/25 08:07	01/09/25 14:35	1
Boron	**29**	**J B**	50	13	ug/L		01/07/25 08:07	01/09/25 14:35	1
Cadmium	<0.17		0.50	0.17	ug/L		01/07/25 08:07	01/09/25 14:35	1
Calcium	**18000**		200	44	ug/L		01/07/25 08:07	01/09/25 14:35	1
Chromium	**1.3**	**J**	5.0	1.1	ug/L		01/07/25 08:07	01/09/25 14:35	1
Cobalt	<0.40		1.0	0.40	ug/L		01/07/25 08:07	01/09/25 14:35	1
Copper	**37**		2.0	0.50	ug/L		01/07/25 08:07	01/09/25 14:35	1
Iron	**1100**		100	47	ug/L		01/07/25 08:07	01/09/25 14:35	1
Lead	**0.43**	**J**	0.50	0.19	ug/L		01/07/25 08:07	01/09/25 14:35	1
Lithium	<2.5		10	2.5	ug/L		01/07/25 08:07	01/09/25 14:35	1
Magnesium	**4600**		200	49	ug/L		01/07/25 08:07	01/09/25 14:35	1
Manganese	**18**		2.5	0.79	ug/L		01/07/25 08:07	01/09/25 14:35	1
Molybdenum	<2.5		5.0	2.5	ug/L		01/07/25 08:07	01/09/25 14:35	1
Nickel	**0.90**	**J**	2.0	0.63	ug/L		01/07/25 08:07	01/09/25 14:35	1
Potassium	**1200**		500	110	ug/L		01/07/25 08:07	01/09/25 14:35	1
Selenium	<0.98		2.5	0.98	ug/L		01/07/25 08:07	01/09/25 14:35	1
Silver	<0.12		0.50	0.12	ug/L		01/07/25 08:07	01/09/25 14:35	1
Sodium	**11000**		200	77	ug/L		01/07/25 08:07	01/09/25 14:35	1
Strontium	**45**		4.0	0.64	ug/L		01/07/25 08:07	01/09/25 14:35	1
Thallium	<0.57		2.0	0.57	ug/L		01/07/25 08:07	01/09/25 14:35	1
Tin	<1.3		5.0	1.3	ug/L		01/07/25 08:07	01/09/25 14:35	1
Vanadium	<2.2		5.0	2.2	ug/L		01/07/25 08:07	01/09/25 14:35	1
Zinc	<6.9		20	6.9	ug/L		01/07/25 08:07	01/09/25 14:35	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261748-1

Client Sample ID: MLR-02_20241216

Date Collected: 12/16/24 14:00
Date Received: 12/18/24 09:41

Lab Sample ID: 500-261748-1

Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**110**		100	25	ug/L		01/07/25 08:07	01/09/25 15:12	1
Antimony	<1.3		3.0	1.3	ug/L		01/07/25 08:07	01/09/25 15:12	1
Arsenic	**0.39**	**J**	1.0	0.23	ug/L		01/07/25 08:07	01/09/25 15:12	1
Barium	**21**		2.5	0.73	ug/L		01/07/25 08:07	01/09/25 15:12	1
Beryllium	<0.53		1.0	0.53	ug/L		01/07/25 08:07	01/09/25 15:12	1
Boron	**39**	**J B**	50	13	ug/L		01/07/25 08:07	01/09/25 15:12	1
Cadmium	<0.17		0.50	0.17	ug/L		01/07/25 08:07	01/09/25 15:12	1
Calcium	**17000**		200	44	ug/L		01/07/25 08:07	01/09/25 15:12	1
Chromium	<1.1		5.0	1.1	ug/L		01/07/25 08:07	01/09/25 15:12	1
Cobalt	<0.40		1.0	0.40	ug/L		01/07/25 08:07	01/09/25 15:12	1
Copper	**30**		2.0	0.50	ug/L		01/07/25 08:07	01/09/25 15:12	1
Iron	**410**		100	47	ug/L		01/07/25 08:07	01/09/25 15:12	1
Lead	<0.19		0.50	0.19	ug/L		01/07/25 08:07	01/09/25 15:12	1
Lithium	<2.5		10	2.5	ug/L		01/07/25 08:07	01/09/25 15:12	1
Magnesium	**4300**		200	49	ug/L		01/07/25 08:07	01/09/25 15:12	1
Manganese	**7.7**		2.5	0.79	ug/L		01/07/25 08:07	01/09/25 15:12	1
Molybdenum	<2.5		5.0	2.5	ug/L		01/07/25 08:07	01/09/25 15:12	1
Nickel	<0.63		2.0	0.63	ug/L		01/07/25 08:07	01/09/25 15:12	1
Potassium	**960**		500	110	ug/L		01/07/25 08:07	01/09/25 15:12	1
Selenium	<0.98		2.5	0.98	ug/L		01/07/25 08:07	01/09/25 15:12	1
Silver	<0.12		0.50	0.12	ug/L		01/07/25 08:07	01/09/25 15:12	1
Sodium	**11000**		200	77	ug/L		01/07/25 08:07	01/09/25 15:12	1
Strontium	**42**		4.0	0.64	ug/L		01/07/25 08:07	01/09/25 15:12	1
Thallium	<0.57		2.0	0.57	ug/L		01/07/25 08:07	01/09/25 15:12	1
Tin	<1.3		5.0	1.3	ug/L		01/07/25 08:07	01/09/25 15:12	1
Vanadium	<2.2		5.0	2.2	ug/L		01/07/25 08:07	01/09/25 15:12	1
Zinc	<6.9		20	6.9	ug/L		01/07/25 08:07	01/09/25 15:12	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**63**		0.91	0.46	mg/L		01/07/25 08:07	01/10/25 09:53	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	<0.45		1.0	0.45	mg/L			12/18/24 11:28	1
Nitrate as N (EPA 300.0)	<0.37		1.0	0.37	mg/L			12/18/24 11:28	1
Chloride (EPA 300.0)	**17**		1.0	0.42	mg/L			12/18/24 11:28	1
Nitrite as N (EPA 300.0)	<0.25		1.0	0.25	mg/L			12/18/24 11:28	1
Fluoride (EPA 300.0)	<0.43		1.0	0.43	mg/L			12/18/24 11:28	1
Nitrate Nitrite as N (EPA 300.0)	<0.37		1.0	0.37	mg/L			12/18/24 11:28	1
Sulfate (EPA 300.0)	**4.3**		1.0	0.47	mg/L			12/18/24 11:28	1
Cyanide, Total (EPA 335.4)	<0.0036		0.0050	0.0036	mg/L		12/23/24 08:57	12/23/24 11:45	1
Ammonia (EPA 350.1)	<0.10		0.20	0.10	mg/L		01/07/25 11:37	01/07/25 16:32	1
Phosphorus as P (EPA 365.1)	<0.024		0.050	0.024	mg/L		12/26/24 10:28	12/31/24 09:44	1
Alkalinity (SM 2320B)	**61**		5.0	3.7	mg/L			12/20/24 15:54	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**61**		5.0	3.7	mg/L			12/20/24 15:54	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<3.7		5.0	3.7	mg/L			12/20/24 15:54	1
Salinity (SM 2520B)	<0.33		0.33	0.33	psu			01/06/25 08:16	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261748-1

Client Sample ID: MLR-02_20241216
Date Collected: 12/16/24 14:00
Date Received: 12/18/24 09:41

Lab Sample ID: 500-261748-1
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	120		10	4.3	mg/L			12/19/24 00:38	1
Total Suspended Solids (SM 2540D)	4.4	J	5.0	1.9	mg/L			12/20/24 13:05	1
Sulfide (SM 4500 S2 F)	1.4		1.0	0.23	mg/L			12/22/24 20:38	1
Total Organic Carbon (SM 5310C)	11		1.0	0.47	mg/L			01/06/25 19:51	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon (SM 5310C)	11		1.0	0.47	mg/L			12/29/24 09:55	1

Client Sample Results

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261748-1

Client Sample ID: MLR-02_20241216_FBLL
Date Collected: 12/16/24 14:00
Date Received: 12/18/24 09:41

Lab Sample ID: 500-261748-2
Matrix: Water

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.21	J	0.50	0.20	ng/L			01/03/25 17:56	1

Client Sample ID: DKC-03_20241216

Date Collected: 12/16/24 10:30
Date Received: 12/18/24 09:41

Lab Sample ID: 500-261748-3

Matrix: Water

Method: EPA 1630 - Methyl Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	0.030	J	0.050	0.022	ng/L		01/02/25 13:00	01/03/25 16:36	1

Method: EPA 1630 - Methyl Mercury - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	0.035	J F1	0.050	0.022	ng/L		01/03/25 11:31	01/03/25 21:52	1

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	3.9		0.50	0.20	ng/L			01/03/25 15:06	1

Method: EPA 1631E - Mercury, Low Level (CVAFS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	2.9		0.50	0.20	ng/L			01/03/25 15:10	1

Method: EPA 1638 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	0.14		0.050	0.0098	ug/L		01/07/25 12:01	01/08/25 16:38	1

Method: EPA 1638 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	0.12		0.050	0.0098	ug/L		01/07/25 12:01	01/08/25 16:48	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	870		100	25	ug/L		01/07/25 08:07	01/09/25 14:37	1
Antimony	<1.3		3.0	1.3	ug/L		01/07/25 08:07	01/09/25 14:37	1
Arsenic	0.41	J	1.0	0.23	ug/L		01/07/25 08:07	01/09/25 14:37	1
Barium	34		2.5	0.73	ug/L		01/07/25 08:07	01/09/25 14:37	1
Beryllium	<0.53		1.0	0.53	ug/L		01/07/25 08:07	01/09/25 14:37	1
Boron	23	J B	50	13	ug/L		01/07/25 08:07	01/09/25 14:37	1
Cadmium	<0.17		0.50	0.17	ug/L		01/07/25 08:07	01/09/25 14:37	1
Calcium	12000		200	44	ug/L		01/07/25 08:07	01/09/25 14:37	1
Chromium	1.3	J	5.0	1.1	ug/L		01/07/25 08:07	01/09/25 14:37	1
Cobalt	0.46	J	1.0	0.40	ug/L		01/07/25 08:07	01/09/25 14:37	1
Copper	10		2.0	0.50	ug/L		01/07/25 08:07	01/09/25 14:37	1
Iron	1400	F1	100	47	ug/L		01/07/25 08:07	01/09/25 14:37	1
Lead	2.3		0.50	0.19	ug/L		01/07/25 08:07	01/09/25 14:37	1
Lithium	<2.5		10	2.5	ug/L		01/07/25 08:07	01/09/25 14:37	1
Magnesium	3400		200	49	ug/L		01/07/25 08:07	01/09/25 14:37	1
Manganese	45		2.5	0.79	ug/L		01/07/25 08:07	01/09/25 14:37	1
Molybdenum	<2.5		5.0	2.5	ug/L		01/07/25 08:07	01/09/25 14:37	1
Nickel	1.1	J	2.0	0.63	ug/L		01/07/25 08:07	01/09/25 14:37	1
Potassium	1200		500	110	ug/L		01/07/25 08:07	01/09/25 14:37	1
Selenium	<0.98		2.5	0.98	ug/L		01/07/25 08:07	01/09/25 14:37	1
Silver	<0.12		0.50	0.12	ug/L		01/07/25 08:07	01/09/25 14:37	1
Sodium	3400		200	77	ug/L		01/07/25 08:07	01/09/25 14:37	1
Strontium	46		4.0	0.64	ug/L		01/07/25 08:07	01/09/25 14:37	1
Thallium	<0.57		2.0	0.57	ug/L		01/07/25 08:07	01/09/25 14:37	1
Tin	<1.3		5.0	1.3	ug/L		01/07/25 08:07	01/09/25 14:37	1
Vanadium	2.5	J	5.0	2.2	ug/L		01/07/25 08:07	01/09/25 14:37	1
Zinc	11	J	20	6.9	ug/L		01/07/25 08:07	01/09/25 14:37	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261748-1

Client Sample ID: DKC-03_20241216

Date Collected: 12/16/24 10:30
Date Received: 12/18/24 09:41

Lab Sample ID: 500-261748-3

Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**43**	**J**	100	25	ug/L		01/07/25 08:07	01/09/25 15:15	1
Antimony	<1.3		3.0	1.3	ug/L		01/07/25 08:07	01/09/25 15:15	1
Arsenic	**0.23**	**J**	1.0	0.23	ug/L		01/07/25 08:07	01/09/25 15:15	1
Barium	**25**		2.5	0.73	ug/L		01/07/25 08:07	01/09/25 15:15	1
Beryllium	<0.53		1.0	0.53	ug/L		01/07/25 08:07	01/09/25 15:15	1
Boron	**25**	**J B**	50	13	ug/L		01/07/25 08:07	01/09/25 15:15	1
Cadmium	<0.17		0.50	0.17	ug/L		01/07/25 08:07	01/09/25 15:15	1
Calcium	**11000**		200	44	ug/L		01/07/25 08:07	01/09/25 15:15	1
Chromium	<1.1		5.0	1.1	ug/L		01/07/25 08:07	01/09/25 15:15	1
Cobalt	<0.40		1.0	0.40	ug/L		01/07/25 08:07	01/09/25 15:15	1
Copper	**6.2**		2.0	0.50	ug/L		01/07/25 08:07	01/09/25 15:15	1
Iron	**300**		100	47	ug/L		01/07/25 08:07	01/09/25 15:15	1
Lead	<0.19		0.50	0.19	ug/L		01/07/25 08:07	01/09/25 15:15	1
Lithium	<2.5		10	2.5	ug/L		01/07/25 08:07	01/09/25 15:15	1
Magnesium	**3200**		200	49	ug/L		01/07/25 08:07	01/09/25 15:15	1
Manganese	**7.0**		2.5	0.79	ug/L		01/07/25 08:07	01/09/25 15:15	1
Molybdenum	<2.5		5.0	2.5	ug/L		01/07/25 08:07	01/09/25 15:15	1
Nickel	<0.63		2.0	0.63	ug/L		01/07/25 08:07	01/09/25 15:15	1
Potassium	**1000**		500	110	ug/L		01/07/25 08:07	01/09/25 15:15	1
Selenium	<0.98		2.5	0.98	ug/L		01/07/25 08:07	01/09/25 15:15	1
Silver	<0.12		0.50	0.12	ug/L		01/07/25 08:07	01/09/25 15:15	1
Sodium	**3300**		200	77	ug/L		01/07/25 08:07	01/09/25 15:15	1
Strontium	**44**		4.0	0.64	ug/L		01/07/25 08:07	01/09/25 15:15	1
Thallium	<0.57		2.0	0.57	ug/L		01/07/25 08:07	01/09/25 15:15	1
Tin	<1.3		5.0	1.3	ug/L		01/07/25 08:07	01/09/25 15:15	1
Vanadium	<2.2		5.0	2.2	ug/L		01/07/25 08:07	01/09/25 15:15	1
Zinc	<6.9		20	6.9	ug/L		01/07/25 08:07	01/09/25 15:15	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**43**		0.91	0.46	mg/L		01/07/25 08:07	01/10/25 09:53	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	<0.45		1.0	0.45	mg/L			12/18/24 11:59	1
Nitrate as N (EPA 300.0)	<0.37	H3	1.0	0.37	mg/L			12/18/24 11:59	1
Chloride (EPA 300.0)	**3.3**		1.0	0.42	mg/L			12/18/24 11:59	1
Nitrite as N (EPA 300.0)	<0.25	H3	1.0	0.25	mg/L			12/18/24 11:59	1
Fluoride (EPA 300.0)	<0.43		1.0	0.43	mg/L			12/18/24 11:59	1
Nitrate Nitrite as N (EPA 300.0)	<0.37	H3	1.0	0.37	mg/L			12/18/24 11:59	1
Sulfate (EPA 300.0)	**4.5**	**F1**	1.0	0.47	mg/L			12/18/24 11:59	1
Cyanide, Total (EPA 335.4)	<0.0036		0.0050	0.0036	mg/L		12/23/24 08:57	12/23/24 11:47	1
Ammonia (EPA 350.1)	<0.10		0.20	0.10	mg/L		01/07/25 11:37	01/07/25 16:33	1
Phosphorus as P (EPA 365.1)	<0.024		0.050	0.024	mg/L		12/26/24 10:28	12/31/24 09:49	1
Alkalinity (SM 2320B)	**44**		5.0	3.7	mg/L			12/20/24 16:02	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**44**		5.0	3.7	mg/L			12/20/24 16:02	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<3.7		5.0	3.7	mg/L			12/20/24 16:02	1
Salinity (SM 2520B)	<0.33		0.33	0.33	psu			01/06/25 08:16	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261748-1

Client Sample ID: DKC-03_20241216
Date Collected: 12/16/24 10:30
Date Received: 12/18/24 09:41

Lab Sample ID: 500-261748-3
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	66		10	4.3	mg/L			12/19/24 00:41	1
Total Suspended Solids (SM 2540D)	7.8		5.0	1.9	mg/L			12/20/24 13:07	1
Sulfide (SM 4500 S2 F)	0.89	J	1.0	0.23	mg/L			12/20/24 05:56	1
Total Organic Carbon (SM 5310C)	8.8		1.0	0.47	mg/L			01/06/25 21:43	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon (SM 5310C)	8.5		1.0	0.47	mg/L			12/29/24 09:55	1

Client Sample Results

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261748-1

Client Sample ID: DKC-03_20241216_FBLL

Date Collected: 12/16/24 10:30
Date Received: 12/18/24 09:41

Lab Sample ID: 500-261748-4

Matrix: Water

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			01/03/25 15:19	1

Client Sample ID: LKS-01_20241216

Date Collected: 12/16/24 11:30
Date Received: 12/18/24 09:41

Lab Sample ID: 500-261748-5

Matrix: Water

Method: EPA 1630 - Methyl Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		01/02/25 13:00	01/03/25 20:10	1

Method: EPA 1630 - Methyl Mercury - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		01/02/25 13:00	01/03/25 20:20	1

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**1.7**		0.50	0.20	ng/L			01/03/25 18:01	1

Method: EPA 1631E - Mercury, Low Level (CVAFS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**1.7**		0.50	0.20	ng/L			01/03/25 18:05	1

Method: EPA 1638 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.22**		0.050	0.0098	ug/L		01/07/25 12:01	01/08/25 17:37	1

Method: EPA 1638 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.19**		0.050	0.0098	ug/L		01/07/25 12:01	01/08/25 17:47	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**500**		100	25	ug/L		01/07/25 08:07	01/09/25 14:55	1
Antimony	<1.3		3.0	1.3	ug/L		01/07/25 08:07	01/09/25 14:55	1
Arsenic	**0.51**	**J**	1.0	0.23	ug/L		01/07/25 08:07	01/09/25 14:55	1
Barium	**65**		2.5	0.73	ug/L		01/07/25 08:07	01/09/25 14:55	1
Beryllium	<0.53		1.0	0.53	ug/L		01/07/25 08:07	01/09/25 14:55	1
Boron	**30**	**J B**	50	13	ug/L		01/07/25 08:07	01/09/25 14:55	1
Cadmium	<0.17		0.50	0.17	ug/L		01/07/25 08:07	01/09/25 14:55	1
Calcium	**23000**		200	44	ug/L		01/07/25 08:07	01/09/25 14:55	1
Chromium	<1.1		5.0	1.1	ug/L		01/07/25 08:07	01/09/25 14:55	1
Cobalt	<0.40		1.0	0.40	ug/L		01/07/25 08:07	01/09/25 14:55	1
Copper	**4.4**		2.0	0.50	ug/L		01/07/25 08:07	01/09/25 14:55	1
Iron	**550**		100	47	ug/L		01/07/25 08:07	01/09/25 14:55	1
Lead	**0.23**	**J**	0.50	0.19	ug/L		01/07/25 08:07	01/09/25 14:55	1
Lithium	<2.5		10	2.5	ug/L		01/07/25 08:07	01/09/25 14:55	1
Magnesium	**5100**		200	49	ug/L		01/07/25 08:07	01/09/25 14:55	1
Manganese	**14**		2.5	0.79	ug/L		01/07/25 08:07	01/09/25 14:55	1
Molybdenum	<2.5		5.0	2.5	ug/L		01/07/25 08:07	01/09/25 14:55	1
Nickel	**0.89**	**J**	2.0	0.63	ug/L		01/07/25 08:07	01/09/25 14:55	1
Potassium	**1000**		500	110	ug/L		01/07/25 08:07	01/09/25 14:55	1
Selenium	<0.98		2.5	0.98	ug/L		01/07/25 08:07	01/09/25 14:55	1
Silver	<0.12		0.50	0.12	ug/L		01/07/25 08:07	01/09/25 14:55	1
Sodium	**17000**		200	77	ug/L		01/07/25 08:07	01/09/25 14:55	1
Strontium	**56**		4.0	0.64	ug/L		01/07/25 08:07	01/09/25 14:55	1
Thallium	<0.57		2.0	0.57	ug/L		01/07/25 08:07	01/09/25 14:55	1
Tin	<1.3		5.0	1.3	ug/L		01/07/25 08:07	01/09/25 14:55	1
Vanadium	<2.2		5.0	2.2	ug/L		01/07/25 08:07	01/09/25 14:55	1
Zinc	<6.9		20	6.9	ug/L		01/07/25 08:07	01/09/25 14:55	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261748-1

Client Sample ID: LKS-01_20241216

Date Collected: 12/16/24 11:30
Date Received: 12/18/24 09:41

Lab Sample ID: 500-261748-5

Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<25		100	25	ug/L		01/07/25 08:07	01/09/25 15:32	1
Antimony	<1.3		3.0	1.3	ug/L		01/07/25 08:07	01/09/25 15:32	1
Arsenic	**0.36**	**J**	1.0	0.23	ug/L		01/07/25 08:07	01/09/25 15:32	1
Barium	**49**		2.5	0.73	ug/L		01/07/25 08:07	01/09/25 15:32	1
Beryllium	<0.53		1.0	0.53	ug/L		01/07/25 08:07	01/09/25 15:32	1
Boron	**35**	**J B**	50	13	ug/L		01/07/25 08:07	01/09/25 15:32	1
Cadmium	<0.17		0.50	0.17	ug/L		01/07/25 08:07	01/09/25 15:32	1
Calcium	**22000**		200	44	ug/L		01/07/25 08:07	01/09/25 15:32	1
Chromium	<1.1		5.0	1.1	ug/L		01/07/25 08:07	01/09/25 15:32	1
Cobalt	<0.40		1.0	0.40	ug/L		01/07/25 08:07	01/09/25 15:32	1
Copper	**3.0**		2.0	0.50	ug/L		01/07/25 08:07	01/09/25 15:32	1
Iron	<47		100	47	ug/L		01/07/25 08:07	01/09/25 15:32	1
Lead	<0.19		0.50	0.19	ug/L		01/07/25 08:07	01/09/25 15:32	1
Lithium	<2.5		10	2.5	ug/L		01/07/25 08:07	01/09/25 15:32	1
Magnesium	**4700**		200	49	ug/L		01/07/25 08:07	01/09/25 15:32	1
Manganese	<0.79		2.5	0.79	ug/L		01/07/25 08:07	01/09/25 15:32	1
Molybdenum	<2.5		5.0	2.5	ug/L		01/07/25 08:07	01/09/25 15:32	1
Nickel	<0.63		2.0	0.63	ug/L		01/07/25 08:07	01/09/25 15:32	1
Potassium	**850**		500	110	ug/L		01/07/25 08:07	01/09/25 15:32	1
Selenium	<0.98		2.5	0.98	ug/L		01/07/25 08:07	01/09/25 15:32	1
Silver	<0.12		0.50	0.12	ug/L		01/07/25 08:07	01/09/25 15:32	1
Sodium	**14000**		200	77	ug/L		01/07/25 08:07	01/09/25 15:32	1
Strontium	**51**		4.0	0.64	ug/L		01/07/25 08:07	01/09/25 15:32	1
Thallium	<0.57		2.0	0.57	ug/L		01/07/25 08:07	01/09/25 15:32	1
Tin	**2.2**	**J**	5.0	1.3	ug/L		01/07/25 08:07	01/09/25 15:32	1
Vanadium	<2.2		5.0	2.2	ug/L		01/07/25 08:07	01/09/25 15:32	1
Zinc	<6.9		20	6.9	ug/L		01/07/25 08:07	01/09/25 15:32	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**78**		0.91	0.46	mg/L		01/07/25 08:07	01/10/25 09:53	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	<0.45		1.0	0.45	mg/L			12/18/24 12:46	1
Nitrate as N (EPA 300.0)	**0.48**	**J H**	1.0	0.37	mg/L			12/18/24 12:46	1
Chloride (EPA 300.0)	**41**		1.0	0.42	mg/L			12/18/24 12:46	1
Nitrite as N (EPA 300.0)	<0.25	H	1.0	0.25	mg/L			12/18/24 12:46	1
Fluoride (EPA 300.0)	<0.43		1.0	0.43	mg/L			12/18/24 12:46	1
Nitrate Nitrite as N (EPA 300.0)	**0.48**	**J H**	1.0	0.37	mg/L			12/18/24 12:46	1
Sulfate (EPA 300.0)	**4.4**		1.0	0.47	mg/L			12/18/24 12:46	1
Cyanide, Total (EPA 335.4)	<0.0036		0.0050	0.0036	mg/L		12/23/24 08:57	12/23/24 11:56	1
Ammonia (EPA 350.1)	<0.10		0.20	0.10	mg/L		01/07/25 11:37	01/07/25 16:34	1
Phosphorus as P (EPA 365.1)	<0.024		0.050	0.024	mg/L		12/26/24 10:28	12/31/24 09:48	1
Alkalinity (SM 2320B)	**61**		5.0	3.7	mg/L			12/20/24 16:12	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**61**		5.0	3.7	mg/L			12/20/24 16:12	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<3.7		5.0	3.7	mg/L			12/20/24 16:12	1
Salinity (SM 2520B)	<0.33		0.33	0.33	psu			01/06/25 08:16	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261748-1

Client Sample ID: LKS-01_20241216
Date Collected: 12/16/24 11:30
Date Received: 12/18/24 09:41

Lab Sample ID: 500-261748-5
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	150		10	4.3	mg/L			12/19/24 00:49	1
Total Suspended Solids (SM 2540D)	15		5.0	1.9	mg/L			12/20/24 13:14	1
Sulfide (SM 4500 S2 F)	<0.23		1.0	0.23	mg/L			12/20/24 07:00	1
Total Organic Carbon (SM 5310C)	3.9		1.0	0.47	mg/L			01/06/25 20:19	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon (SM 5310C)	3.7		1.0	0.47	mg/L			12/29/24 09:55	1

Client Sample Results

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261748-1

Client Sample ID: LKS-01_20241216_FBLL
Date Collected: 12/16/24 11:30
Date Received: 12/18/24 09:41

Lab Sample ID: 500-261748-6
Matrix: Water

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.31	J	0.50	0.20	ng/L			01/03/25 18:09	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261748-1

Client Sample ID: MLR-01_20241216

Date Collected: 12/16/24 09:10
Date Received: 12/18/24 09:41

Lab Sample ID: 500-261748-7

Matrix: Water

Method: EPA 1630 - Methyl Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	**0.034**	**J**	0.050	0.022	ng/L		01/02/25 13:00	01/03/25 20:31	1

Method: EPA 1630 - Methyl Mercury - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	**0.054**		0.050	0.022	ng/L		01/03/25 11:31	01/03/25 23:14	1

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**6.4**		0.50	0.20	ng/L			01/03/25 18:13	1

Method: EPA 1631E - Mercury, Low Level (CVAFS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**4.6**		0.50	0.20	ng/L			01/03/25 18:25	1

Method: EPA 1638 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.22**		0.050	0.0098	ug/L		01/07/25 12:01	01/08/25 17:51	1

Method: EPA 1638 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.18**		0.050	0.0098	ug/L		01/07/25 12:01	01/08/25 17:54	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**1500**		100	25	ug/L		01/07/25 08:07	01/09/25 14:57	1
Antimony	<1.3		3.0	1.3	ug/L		01/07/25 08:07	01/09/25 14:57	1
Arsenic	**0.41**	**J**	1.0	0.23	ug/L		01/07/25 08:07	01/09/25 14:57	1
Barium	**24**		2.5	0.73	ug/L		01/07/25 08:07	01/09/25 14:57	1
Beryllium	<0.53		1.0	0.53	ug/L		01/07/25 08:07	01/09/25 14:57	1
Boron	**26**	**J B**	50	13	ug/L		01/07/25 08:07	01/09/25 14:57	1
Cadmium	<0.17		0.50	0.17	ug/L		01/07/25 08:07	01/09/25 14:57	1
Calcium	**10000**		200	44	ug/L		01/07/25 08:07	01/09/25 14:57	1
Chromium	**1.8**	**J**	5.0	1.1	ug/L		01/07/25 08:07	01/09/25 14:57	1
Cobalt	**0.42**	**J**	1.0	0.40	ug/L		01/07/25 08:07	01/09/25 14:57	1
Copper	**10**		2.0	0.50	ug/L		01/07/25 08:07	01/09/25 14:57	1
Iron	**1800**		100	47	ug/L		01/07/25 08:07	01/09/25 14:57	1
Lead	**0.59**		0.50	0.19	ug/L		01/07/25 08:07	01/09/25 14:57	1
Lithium	<2.5		10	2.5	ug/L		01/07/25 08:07	01/09/25 14:57	1
Magnesium	**3100**		200	49	ug/L		01/07/25 08:07	01/09/25 14:57	1
Manganese	**21**		2.5	0.79	ug/L		01/07/25 08:07	01/09/25 14:57	1
Molybdenum	<2.5		5.0	2.5	ug/L		01/07/25 08:07	01/09/25 14:57	1
Nickel	**1.2**	**J**	2.0	0.63	ug/L		01/07/25 08:07	01/09/25 14:57	1
Potassium	**1100**		500	110	ug/L		01/07/25 08:07	01/09/25 14:57	1
Selenium	<0.98		2.5	0.98	ug/L		01/07/25 08:07	01/09/25 14:57	1
Silver	<0.12		0.50	0.12	ug/L		01/07/25 08:07	01/09/25 14:57	1
Sodium	**4500**		200	77	ug/L		01/07/25 08:07	01/09/25 14:57	1
Strontium	**30**		4.0	0.64	ug/L		01/07/25 08:07	01/09/25 14:57	1
Thallium	<0.57		2.0	0.57	ug/L		01/07/25 08:07	01/09/25 14:57	1
Tin	<1.3		5.0	1.3	ug/L		01/07/25 08:07	01/09/25 14:57	1
Vanadium	**2.7**	**J**	5.0	2.2	ug/L		01/07/25 08:07	01/09/25 14:57	1
Zinc	<6.9		20	6.9	ug/L		01/07/25 08:07	01/09/25 14:57	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261748-1

Client Sample ID: MLR-01_20241216

Date Collected: 12/16/24 09:10
Date Received: 12/18/24 09:41

Lab Sample ID: 500-261748-7

Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**150**		100	25	ug/L		01/07/25 08:07	01/09/25 15:35	1
Antimony	<1.3		3.0	1.3	ug/L		01/07/25 08:07	01/09/25 15:35	1
Arsenic	**0.30**	**J**	1.0	0.23	ug/L		01/07/25 08:07	01/09/25 15:35	1
Barium	**16**		2.5	0.73	ug/L		01/07/25 08:07	01/09/25 15:35	1
Beryllium	<0.53		1.0	0.53	ug/L		01/07/25 08:07	01/09/25 15:35	1
Boron	**25**	**J B**	50	13	ug/L		01/07/25 08:07	01/09/25 15:35	1
Cadmium	<0.17		0.50	0.17	ug/L		01/07/25 08:07	01/09/25 15:35	1
Calcium	**10000**		200	44	ug/L		01/07/25 08:07	01/09/25 15:35	1
Chromium	<1.1		5.0	1.1	ug/L		01/07/25 08:07	01/09/25 15:35	1
Cobalt	<0.40		1.0	0.40	ug/L		01/07/25 08:07	01/09/25 15:35	1
Copper	**7.1**		2.0	0.50	ug/L		01/07/25 08:07	01/09/25 15:35	1
Iron	**620**		100	47	ug/L		01/07/25 08:07	01/09/25 15:35	1
Lead	<0.19		0.50	0.19	ug/L		01/07/25 08:07	01/09/25 15:35	1
Lithium	<2.5		10	2.5	ug/L		01/07/25 08:07	01/09/25 15:35	1
Magnesium	**2900**		200	49	ug/L		01/07/25 08:07	01/09/25 15:35	1
Manganese	**11**		2.5	0.79	ug/L		01/07/25 08:07	01/09/25 15:35	1
Molybdenum	<2.5		5.0	2.5	ug/L		01/07/25 08:07	01/09/25 15:35	1
Nickel	<0.63		2.0	0.63	ug/L		01/07/25 08:07	01/09/25 15:35	1
Potassium	**930**		500	110	ug/L		01/07/25 08:07	01/09/25 15:35	1
Selenium	<0.98		2.5	0.98	ug/L		01/07/25 08:07	01/09/25 15:35	1
Silver	<0.12		0.50	0.12	ug/L		01/07/25 08:07	01/09/25 15:35	1
Sodium	**4700**		200	77	ug/L		01/07/25 08:07	01/09/25 15:35	1
Strontium	**29**		4.0	0.64	ug/L		01/07/25 08:07	01/09/25 15:35	1
Thallium	<0.57		2.0	0.57	ug/L		01/07/25 08:07	01/09/25 15:35	1
Tin	<1.3		5.0	1.3	ug/L		01/07/25 08:07	01/09/25 15:35	1
Vanadium	<2.2		5.0	2.2	ug/L		01/07/25 08:07	01/09/25 15:35	1
Zinc	<6.9		20	6.9	ug/L		01/07/25 08:07	01/09/25 15:35	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**38**		0.91	0.46	mg/L		01/07/25 08:07	01/10/25 09:53	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	<0.45		1.0	0.45	mg/L			12/18/24 13:02	1
Nitrate as N (EPA 300.0)	<0.37	H3	1.0	0.37	mg/L			12/18/24 13:02	1
Chloride (EPA 300.0)	**5.2**		1.0	0.42	mg/L			12/18/24 13:02	1
Nitrite as N (EPA 300.0)	<0.25	H3	1.0	0.25	mg/L			12/18/24 13:02	1
Fluoride (EPA 300.0)	<0.43		1.0	0.43	mg/L			12/18/24 13:02	1
Nitrate Nitrite as N (EPA 300.0)	<0.37	H3	1.0	0.37	mg/L			12/18/24 13:02	1
Sulfate (EPA 300.0)	**2.0**		1.0	0.47	mg/L			12/18/24 13:02	1
Cyanide, Total (EPA 335.4)	<0.0036		0.0050	0.0036	mg/L		12/23/24 08:57	12/23/24 11:58	1
Ammonia (EPA 350.1)	<0.10		0.20	0.10	mg/L		01/07/25 11:37	01/07/25 16:35	1
Phosphorus as P (EPA 365.1)	<0.024		0.050	0.024	mg/L		12/26/24 10:28	12/31/24 09:48	1
Alkalinity (SM 2320B)	**42**		5.0	3.7	mg/L			12/20/24 16:21	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**42**		5.0	3.7	mg/L			12/20/24 16:21	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<3.7		5.0	3.7	mg/L			12/20/24 16:21	1
Salinity (SM 2520B)	<0.33		0.33	0.33	psu			01/06/25 08:16	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261748-1

Client Sample ID: MLR-01_20241216
Date Collected: 12/16/24 09:10
Date Received: 12/18/24 09:41

Lab Sample ID: 500-261748-7
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	96		10	4.3	mg/L			12/19/24 00:54	1
Total Suspended Solids (SM 2540D)	2.2	J	5.0	1.9	mg/L			12/20/24 13:16	1
Sulfide (SM 4500 S2 F)	0.94	J	1.0	0.23	mg/L			12/20/24 07:20	1
Total Organic Carbon (SM 5310C)	11		1.0	0.47	mg/L			01/06/25 23:08	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon (SM 5310C)	10		1.0	0.47	mg/L			12/29/24 09:55	1

Client Sample Results

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261748-1

Client Sample ID: MLR-01_20241216_FBLL
Date Collected: 12/16/24 09:10
Date Received: 12/18/24 09:41

Lab Sample ID: 500-261748-8
Matrix: Water

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.23	J	0.50	0.20	ng/L			01/03/25 18:30	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261748-1

Client Sample ID: LKS-02_20241216

Date Collected: 12/16/24 14:00
Date Received: 12/18/24 09:41

Lab Sample ID: 500-261748-9

Matrix: Water

Method: EPA 1630 - Methyl Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		01/03/25 11:31	01/03/25 23:24	1

Method: EPA 1630 - Methyl Mercury - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		01/03/25 11:31	01/03/25 23:34	1

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.80**		0.50	0.20	ng/L			01/03/25 18:34	1

Method: EPA 1631E - Mercury, Low Level (CVAFS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**1.1**		0.50	0.20	ng/L			01/03/25 18:38	1

Method: EPA 1638 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.054**		0.050	0.0098	ug/L		01/07/25 12:01	01/08/25 17:58	1

Method: EPA 1638 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.056**		0.050	0.0098	ug/L		01/07/25 12:01	01/08/25 18:01	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**78**	**J**	100	25	ug/L		01/07/25 08:07	01/09/25 15:00	1
Antimony	<1.3		3.0	1.3	ug/L		01/07/25 08:07	01/09/25 15:00	1
Arsenic	**0.39**	**J**	1.0	0.23	ug/L		01/07/25 08:07	01/09/25 15:00	1
Barium	**14**		2.5	0.73	ug/L		01/07/25 08:07	01/09/25 15:00	1
Beryllium	<0.53		1.0	0.53	ug/L		01/07/25 08:07	01/09/25 15:00	1
Boron	**19**	**J B**	50	13	ug/L		01/07/25 08:07	01/09/25 15:00	1
Cadmium	<0.17		0.50	0.17	ug/L		01/07/25 08:07	01/09/25 15:00	1
Calcium	**14000**		200	44	ug/L		01/07/25 08:07	01/09/25 15:00	1
Chromium	<1.1		5.0	1.1	ug/L		01/07/25 08:07	01/09/25 15:00	1
Cobalt	<0.40		1.0	0.40	ug/L		01/07/25 08:07	01/09/25 15:00	1
Copper	**1.9**	**J**	2.0	0.50	ug/L		01/07/25 08:07	01/09/25 15:00	1
Iron	**460**		100	47	ug/L		01/07/25 08:07	01/09/25 15:00	1
Lead	<0.19		0.50	0.19	ug/L		01/07/25 08:07	01/09/25 15:00	1
Lithium	<2.5		10	2.5	ug/L		01/07/25 08:07	01/09/25 15:00	1
Magnesium	**3400**		200	49	ug/L		01/07/25 08:07	01/09/25 15:00	1
Manganese	**50**		2.5	0.79	ug/L		01/07/25 08:07	01/09/25 15:00	1
Molybdenum	<2.5		5.0	2.5	ug/L		01/07/25 08:07	01/09/25 15:00	1
Nickel	<0.63		2.0	0.63	ug/L		01/07/25 08:07	01/09/25 15:00	1
Potassium	**600**		500	110	ug/L		01/07/25 08:07	01/09/25 15:00	1
Selenium	<0.98		2.5	0.98	ug/L		01/07/25 08:07	01/09/25 15:00	1
Silver	<0.12		0.50	0.12	ug/L		01/07/25 08:07	01/09/25 15:00	1
Sodium	**2200**		200	77	ug/L		01/07/25 08:07	01/09/25 15:00	1
Strontium	**28**		4.0	0.64	ug/L		01/07/25 08:07	01/09/25 15:00	1
Thallium	<0.57		2.0	0.57	ug/L		01/07/25 08:07	01/09/25 15:00	1
Tin	<1.3		5.0	1.3	ug/L		01/07/25 08:07	01/09/25 15:00	1
Vanadium	<2.2		5.0	2.2	ug/L		01/07/25 08:07	01/09/25 15:00	1
Zinc	<6.9		20	6.9	ug/L		01/07/25 08:07	01/09/25 15:00	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261748-1

Client Sample ID: LKS-02_20241216

Date Collected: 12/16/24 14:00
Date Received: 12/18/24 09:41

Lab Sample ID: 500-261748-9

Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**26**	**J**	100	25	ug/L		01/07/25 08:07	01/09/25 15:37	1
Antimony	<1.3		3.0	1.3	ug/L		01/07/25 08:07	01/09/25 15:37	1
Arsenic	**0.35**	**J**	1.0	0.23	ug/L		01/07/25 08:07	01/09/25 15:37	1
Barium	**14**		2.5	0.73	ug/L		01/07/25 08:07	01/09/25 15:37	1
Beryllium	<0.53		1.0	0.53	ug/L		01/07/25 08:07	01/09/25 15:37	1
Boron	**21**	**J B**	50	13	ug/L		01/07/25 08:07	01/09/25 15:37	1
Cadmium	<0.17		0.50	0.17	ug/L		01/07/25 08:07	01/09/25 15:37	1
Calcium	**14000**		200	44	ug/L		01/07/25 08:07	01/09/25 15:37	1
Chromium	<1.1		5.0	1.1	ug/L		01/07/25 08:07	01/09/25 15:37	1
Cobalt	<0.40		1.0	0.40	ug/L		01/07/25 08:07	01/09/25 15:37	1
Copper	**1.6**	**J**	2.0	0.50	ug/L		01/07/25 08:07	01/09/25 15:37	1
Iron	**330**		100	47	ug/L		01/07/25 08:07	01/09/25 15:37	1
Lead	<0.19		0.50	0.19	ug/L		01/07/25 08:07	01/09/25 15:37	1
Lithium	<2.5		10	2.5	ug/L		01/07/25 08:07	01/09/25 15:37	1
Magnesium	**3300**		200	49	ug/L		01/07/25 08:07	01/09/25 15:37	1
Manganese	**50**		2.5	0.79	ug/L		01/07/25 08:07	01/09/25 15:37	1
Molybdenum	<2.5		5.0	2.5	ug/L		01/07/25 08:07	01/09/25 15:37	1
Nickel	<0.63		2.0	0.63	ug/L		01/07/25 08:07	01/09/25 15:37	1
Potassium	**580**		500	110	ug/L		01/07/25 08:07	01/09/25 15:37	1
Selenium	<0.98		2.5	0.98	ug/L		01/07/25 08:07	01/09/25 15:37	1
Silver	<0.12		0.50	0.12	ug/L		01/07/25 08:07	01/09/25 15:37	1
Sodium	**2100**		200	77	ug/L		01/07/25 08:07	01/09/25 15:37	1
Strontium	**28**		4.0	0.64	ug/L		01/07/25 08:07	01/09/25 15:37	1
Thallium	<0.57		2.0	0.57	ug/L		01/07/25 08:07	01/09/25 15:37	1
Tin	<1.3		5.0	1.3	ug/L		01/07/25 08:07	01/09/25 15:37	1
Vanadium	<2.2		5.0	2.2	ug/L		01/07/25 08:07	01/09/25 15:37	1
Zinc	<6.9		20	6.9	ug/L		01/07/25 08:07	01/09/25 15:37	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**50**		0.91	0.46	mg/L		01/07/25 08:07	01/10/25 09:53	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	<0.45		1.0	0.45	mg/L			12/18/24 11:44	1
Nitrate as N (EPA 300.0)	**0.50**	**J**	1.0	0.37	mg/L			12/18/24 11:44	1
Chloride (EPA 300.0)	**2.7**		1.0	0.42	mg/L			12/18/24 11:44	1
Nitrite as N (EPA 300.0)	<0.25		1.0	0.25	mg/L			12/18/24 11:44	1
Fluoride (EPA 300.0)	<0.43		1.0	0.43	mg/L			12/18/24 11:44	1
Nitrate Nitrite as N (EPA 300.0)	**0.50**	**J**	1.0	0.37	mg/L			12/18/24 11:44	1
Sulfate (EPA 300.0)	**3.5**		1.0	0.47	mg/L			12/18/24 11:44	1
Cyanide, Total (EPA 335.4)	<0.0036		0.0050	0.0036	mg/L		12/23/24 08:57	12/23/24 11:59	1
Ammonia (EPA 350.1)	<0.10		0.20	0.10	mg/L		01/07/25 11:37	01/07/25 16:35	1
Phosphorus as P (EPA 365.1)	<0.024		0.050	0.024	mg/L		12/26/24 10:28	12/31/24 09:53	1
Alkalinity (SM 2320B)	**50**		5.0	3.7	mg/L			12/20/24 16:28	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**50**		5.0	3.7	mg/L			12/20/24 16:28	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<3.7		5.0	3.7	mg/L			12/20/24 16:28	1
Salinity (SM 2520B)	<0.33		0.33	0.33	psu			01/06/25 08:16	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261748-1

Client Sample ID: LKS-02_20241216
Date Collected: 12/16/24 14:00
Date Received: 12/18/24 09:41

Lab Sample ID: 500-261748-9
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**60**		10	4.3	mg/L			12/19/24 00:57	1
Total Suspended Solids (SM 2540D)	<1.9		5.0	1.9	mg/L			12/20/24 13:23	1
Sulfide (SM 4500 S2 F)	<0.23		1.0	0.23	mg/L			12/20/24 07:40	1
Total Organic Carbon (SM 5310C)	**3.8**		1.0	0.47	mg/L			01/06/25 23:36	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon (SM 5310C)	**3.9**		1.0	0.47	mg/L			12/29/24 09:55	1

Client Sample Results

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261748-1

Client Sample ID: LKS-02_20241216_FBLL
Date Collected: 12/16/24 14:00
Date Received: 12/18/24 09:41

Lab Sample ID: 500-261748-10
Matrix: Water

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.24	J	0.50	0.20	ng/L			01/03/25 18:42	1

Definitions/Glossary

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261748-1

Qualifiers

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
F1	MS and/or MSD recovery exceeds control limits.
F3	Duplicate RPD exceeds the control limit
F5	Duplicate RPD exceeds limit, and one or both sample results are less than 5 times RL, and the absolute difference between results is < the upper reporting limits for both.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
H	Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.
H3	Sample was received and analyzed past holding time. This does not meet regulatory requirements.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Metals

Prep Batch: 4237

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261748-1	MLR-02_20241216	Dissolved	Water	1630	
500-261748-1	MLR-02_20241216	Total/NA	Water	1630	
500-261748-3	DKC-03_20241216	Total/NA	Water	1630	
500-261748-5	LKS-01_20241216	Dissolved	Water	1630	
500-261748-5	LKS-01_20241216	Total/NA	Water	1630	
500-261748-7	MLR-01_20241216	Total/NA	Water	1630	
MB 350-4237/1-A	Method Blank	Total/NA	Water	1630	
MB 350-4237/2-A	Method Blank	Total/NA	Water	1630	
MB 350-4237/3-A	Method Blank	Total/NA	Water	1630	
LCS 350-4237/4-A	Lab Control Sample	Total/NA	Water	1630	
LCSD 350-4237/5-A	Lab Control Sample Dup	Total/NA	Water	1630	
500-261748-3 MS	DKC-03_20241216	Total/NA	Water	1630	
500-261748-3 MSD	DKC-03_20241216	Total/NA	Water	1630	

Prep Batch: 4263

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261748-3	DKC-03_20241216	Dissolved	Water	1630	
500-261748-7	MLR-01_20241216	Dissolved	Water	1630	
500-261748-9	LKS-02_20241216	Dissolved	Water	1630	
500-261748-9	LKS-02_20241216	Total/NA	Water	1630	
MB 350-4263/1-A	Method Blank	Total/NA	Water	1630	
MB 350-4263/2-A	Method Blank	Total/NA	Water	1630	
MB 350-4263/3-A	Method Blank	Total/NA	Water	1630	
LCS 350-4263/4-A	Lab Control Sample	Total/NA	Water	1630	
LCSD 350-4263/5-A	Lab Control Sample Dup	Total/NA	Water	1630	
500-261748-3 MS	DKC-03_20241216	Dissolved	Water	1630	
500-261748-3 MSD	DKC-03_20241216	Dissolved	Water	1630	

Analysis Batch: 4286

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261748-1	MLR-02_20241216	Dissolved	Water	1631E	
500-261748-1	MLR-02_20241216	Total/NA	Water	1631E	
500-261748-2	MLR-02_20241216_FBLL	Total/NA	Water	1631E	
500-261748-3	DKC-03_20241216	Dissolved	Water	1631E	
500-261748-3	DKC-03_20241216	Total/NA	Water	1631E	
500-261748-4	DKC-03_20241216_FBLL	Total/NA	Water	1631E	
500-261748-5	LKS-01_20241216	Dissolved	Water	1631E	
500-261748-5	LKS-01_20241216	Total/NA	Water	1631E	
500-261748-6	LKS-01_20241216_FBLL	Total/NA	Water	1631E	
500-261748-7	MLR-01_20241216	Dissolved	Water	1631E	
500-261748-7	MLR-01_20241216	Total/NA	Water	1631E	
500-261748-8	MLR-01_20241216_FBLL	Total/NA	Water	1631E	
500-261748-9	LKS-02_20241216	Dissolved	Water	1631E	
500-261748-9	LKS-02_20241216	Total/NA	Water	1631E	
500-261748-10	LKS-02_20241216_FBLL	Total/NA	Water	1631E	
MB 350-4286/16	Method Blank	Total/NA	Water	1631E	
MB 350-4286/17	Method Blank	Total/NA	Water	1631E	
MB 350-4286/18	Method Blank	Total/NA	Water	1631E	
MB 350-4286/19	Method Blank	Total/NA	Water	1631E	
MB 350-4286/20	Method Blank	Total/NA	Water	1631E	
MB 350-4286/23	Method Blank	Total/NA	Water	1631E	

Metals (Continued)

Analysis Batch: 4286 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 350-4286/27	Lab Control Sample	Total/NA	Water	1631E	
LCS 350-4286/29	Lab Control Sample	Total/NA	Water	1631E	
LCSD 350-4286/28	Lab Control Sample Dup	Total/NA	Water	1631E	
LCSD 350-4286/30	Lab Control Sample Dup	Total/NA	Water	1631E	
500-261748-3 MS	DKC-03_20241216	Dissolved	Water	1631E	
500-261748-3 MS	DKC-03_20241216	Total/NA	Water	1631E	
500-261748-3 MSD	DKC-03_20241216	Dissolved	Water	1631E	
500-261748-3 MSD	DKC-03_20241216	Total/NA	Water	1631E	
500-261748-4 MS	DKC-03_20241216_FBLL	Total/NA	Water	1631E	
500-261748-4 MSD	DKC-03_20241216_FBLL	Total/NA	Water	1631E	

Analysis Batch: 4287

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261748-1	MLR-02_20241216	Dissolved	Water	1630	4237
500-261748-1	MLR-02_20241216	Total/NA	Water	1630	4237
500-261748-3	DKC-03_20241216	Dissolved	Water	1630	4263
500-261748-3	DKC-03_20241216	Total/NA	Water	1630	4237
500-261748-5	LKS-01_20241216	Dissolved	Water	1630	4237
500-261748-5	LKS-01_20241216	Total/NA	Water	1630	4237
500-261748-7	MLR-01_20241216	Dissolved	Water	1630	4263
500-261748-7	MLR-01_20241216	Total/NA	Water	1630	4237
500-261748-9	LKS-02_20241216	Dissolved	Water	1630	4263
500-261748-9	LKS-02_20241216	Total/NA	Water	1630	4263
MB 350-4237/1-A	Method Blank	Total/NA	Water	1630	4237
MB 350-4237/2-A	Method Blank	Total/NA	Water	1630	4237
MB 350-4237/3-A	Method Blank	Total/NA	Water	1630	4237
MB 350-4263/1-A	Method Blank	Total/NA	Water	1630	4263
MB 350-4263/2-A	Method Blank	Total/NA	Water	1630	4263
MB 350-4263/3-A	Method Blank	Total/NA	Water	1630	4263
LCS 350-4237/4-A	Lab Control Sample	Total/NA	Water	1630	4237
LCS 350-4263/4-A	Lab Control Sample	Total/NA	Water	1630	4263
LCSD 350-4237/5-A	Lab Control Sample Dup	Total/NA	Water	1630	4237
LCSD 350-4263/5-A	Lab Control Sample Dup	Total/NA	Water	1630	4263
500-261748-3 MS	DKC-03_20241216	Dissolved	Water	1630	4263
500-261748-3 MS	DKC-03_20241216	Total/NA	Water	1630	4237
500-261748-3 MSD	DKC-03_20241216	Dissolved	Water	1630	4263
500-261748-3 MSD	DKC-03_20241216	Total/NA	Water	1630	4237

Prep Batch: 4317

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261748-1	MLR-02_20241216	Dissolved	Water	1638	
500-261748-1	MLR-02_20241216	Total Recoverable	Water	1638	
500-261748-3	DKC-03_20241216	Dissolved	Water	1638	
500-261748-3	DKC-03_20241216	Total Recoverable	Water	1638	
500-261748-5	LKS-01_20241216	Dissolved	Water	1638	
500-261748-5	LKS-01_20241216	Total Recoverable	Water	1638	
500-261748-7	MLR-01_20241216	Dissolved	Water	1638	
500-261748-7	MLR-01_20241216	Total Recoverable	Water	1638	
500-261748-9	LKS-02_20241216	Dissolved	Water	1638	
500-261748-9	LKS-02_20241216	Total Recoverable	Water	1638	
MB 350-4317/1-A	Method Blank	Total Recoverable	Water	1638	

Metals (Continued)

Prep Batch: 4317 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 350-4317/2-A	Method Blank	Total Recoverable	Water	1638	
LCS 350-4317/3-A	Lab Control Sample	Total Recoverable	Water	1638	
LCSD 350-4317/4-A	Lab Control Sample Dup	Total Recoverable	Water	1638	
500-261748-3 MS	DKC-03_20241216	Dissolved	Water	1638	
500-261748-3 MS	DKC-03_20241216	Total Recoverable	Water	1638	
500-261748-3 MSD	DKC-03_20241216	Dissolved	Water	1638	
500-261748-3 MSD	DKC-03_20241216	Total Recoverable	Water	1638	

Analysis Batch: 4379

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261748-1	MLR-02_20241216	Dissolved	Water	1638	4317
500-261748-1	MLR-02_20241216	Total Recoverable	Water	1638	4317
500-261748-3	DKC-03_20241216	Dissolved	Water	1638	4317
500-261748-3	DKC-03_20241216	Total Recoverable	Water	1638	4317
500-261748-5	LKS-01_20241216	Dissolved	Water	1638	4317
500-261748-5	LKS-01_20241216	Total Recoverable	Water	1638	4317
500-261748-7	MLR-01_20241216	Dissolved	Water	1638	4317
500-261748-7	MLR-01_20241216	Total Recoverable	Water	1638	4317
500-261748-9	LKS-02_20241216	Dissolved	Water	1638	4317
500-261748-9	LKS-02_20241216	Total Recoverable	Water	1638	4317
MB 350-4317/1-A	Method Blank	Total Recoverable	Water	1638	4317
MB 350-4317/2-A	Method Blank	Total Recoverable	Water	1638	4317
LCS 350-4317/3-A	Lab Control Sample	Total Recoverable	Water	1638	4317
LCSD 350-4317/4-A	Lab Control Sample Dup	Total Recoverable	Water	1638	4317
500-261748-3 MS	DKC-03_20241216	Dissolved	Water	1638	4317
500-261748-3 MS	DKC-03_20241216	Total Recoverable	Water	1638	4317
500-261748-3 MSD	DKC-03_20241216	Dissolved	Water	1638	4317
500-261748-3 MSD	DKC-03_20241216	Total Recoverable	Water	1638	4317

Prep Batch: 801918

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261748-1	MLR-02_20241216	Dissolved	Water	3005A	
500-261748-1	MLR-02_20241216	Total Recoverable	Water	3005A	
500-261748-3	DKC-03_20241216	Dissolved	Water	3005A	
500-261748-3	DKC-03_20241216	Total Recoverable	Water	3005A	
500-261748-5	LKS-01_20241216	Dissolved	Water	3005A	
500-261748-5	LKS-01_20241216	Total Recoverable	Water	3005A	
500-261748-7	MLR-01_20241216	Dissolved	Water	3005A	
500-261748-7	MLR-01_20241216	Total Recoverable	Water	3005A	
500-261748-9	LKS-02_20241216	Dissolved	Water	3005A	
500-261748-9	LKS-02_20241216	Total Recoverable	Water	3005A	
MB 500-801918/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 500-801918/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
500-261748-3 MS	DKC-03_20241216	Dissolved	Water	3005A	
500-261748-3 MS	DKC-03_20241216	Total Recoverable	Water	3005A	
500-261748-3 MSD	DKC-03_20241216	Dissolved	Water	3005A	
500-261748-3 MSD	DKC-03_20241216	Total Recoverable	Water	3005A	
500-261748-3 DU	DKC-03_20241216	Dissolved	Water	3005A	
500-261748-3 DU	DKC-03_20241216	Total Recoverable	Water	3005A	

Metals

Analysis Batch: 802387

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261748-1	MLR-02_20241216	Dissolved	Water	6020B	801918
500-261748-1	MLR-02_20241216	Total Recoverable	Water	6020B	801918
500-261748-3	DKC-03_20241216	Dissolved	Water	6020B	801918
500-261748-3	DKC-03_20241216	Total Recoverable	Water	6020B	801918
500-261748-5	LKS-01_20241216	Dissolved	Water	6020B	801918
500-261748-5	LKS-01_20241216	Total Recoverable	Water	6020B	801918
500-261748-7	MLR-01_20241216	Dissolved	Water	6020B	801918
500-261748-7	MLR-01_20241216	Total Recoverable	Water	6020B	801918
500-261748-9	LKS-02_20241216	Dissolved	Water	6020B	801918
500-261748-9	LKS-02_20241216	Total Recoverable	Water	6020B	801918
MB 500-801918/1-A	Method Blank	Total Recoverable	Water	6020B	801918
LCS 500-801918/2-A	Lab Control Sample	Total Recoverable	Water	6020B	801918
500-261748-3 MS	DKC-03_20241216	Dissolved	Water	6020B	801918
500-261748-3 MS	DKC-03_20241216	Total Recoverable	Water	6020B	801918
500-261748-3 MSD	DKC-03_20241216	Dissolved	Water	6020B	801918
500-261748-3 MSD	DKC-03_20241216	Total Recoverable	Water	6020B	801918
500-261748-3 DU	DKC-03_20241216	Dissolved	Water	6020B	801918
500-261748-3 DU	DKC-03_20241216	Total Recoverable	Water	6020B	801918

Analysis Batch: 802435

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261748-1	MLR-02_20241216	Total Recoverable	Water	SM 2340B	801918
500-261748-3	DKC-03_20241216	Total Recoverable	Water	SM 2340B	801918
500-261748-5	LKS-01_20241216	Total Recoverable	Water	SM 2340B	801918
500-261748-7	MLR-01_20241216	Total Recoverable	Water	SM 2340B	801918
500-261748-9	LKS-02_20241216	Total Recoverable	Water	SM 2340B	801918

General Chemistry

Analysis Batch: 799925

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261748-1	MLR-02_20241216	Total/NA	Water	300.0	
500-261748-3	DKC-03_20241216	Total/NA	Water	300.0	
500-261748-5	LKS-01_20241216	Total/NA	Water	300.0	
500-261748-7	MLR-01_20241216	Total/NA	Water	300.0	
500-261748-9	LKS-02_20241216	Total/NA	Water	300.0	
MB 500-799925/3	Method Blank	Total/NA	Water	300.0	
LCS 500-799925/4	Lab Control Sample	Total/NA	Water	300.0	
500-261748-3 MS	DKC-03_20241216	Total/NA	Water	300.0	
500-261748-3 MSD	DKC-03_20241216	Total/NA	Water	300.0	

Analysis Batch: 799926

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261748-1	MLR-02_20241216	Total/NA	Water	300.0	
500-261748-3	DKC-03_20241216	Total/NA	Water	300.0	
500-261748-5	LKS-01_20241216	Total/NA	Water	300.0	
500-261748-7	MLR-01_20241216	Total/NA	Water	300.0	
500-261748-9	LKS-02_20241216	Total/NA	Water	300.0	
MB 500-799926/3	Method Blank	Total/NA	Water	300.0	
LCS 500-799926/4	Lab Control Sample	Total/NA	Water	300.0	
500-261748-3 MS	DKC-03_20241216	Total/NA	Water	300.0	

General Chemistry (Continued)

Analysis Batch: 799926 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261748-3 MSD	DKC-03_20241216	Total/NA	Water	300.0	

Analysis Batch: 800037

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261748-1	MLR-02_20241216	Total/NA	Water	SM 2540C	
500-261748-3	DKC-03_20241216	Total/NA	Water	SM 2540C	
500-261748-5	LKS-01_20241216	Total/NA	Water	SM 2540C	
500-261748-7	MLR-01_20241216	Total/NA	Water	SM 2540C	
500-261748-9	LKS-02_20241216	Total/NA	Water	SM 2540C	
MB 500-800037/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-800037/2	Lab Control Sample	Total/NA	Water	SM 2540C	
500-261748-3 MS	DKC-03_20241216	Total/NA	Water	SM 2540C	
500-261748-3 MSD	DKC-03_20241216	Total/NA	Water	SM 2540C	
500-261748-5 DU	LKS-01_20241216	Total/NA	Water	SM 2540C	

Analysis Batch: 800258

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261748-3	DKC-03_20241216	Total/NA	Water	SM 4500 S2 F	
MB 500-800258/1	Method Blank	Total/NA	Water	SM 4500 S2 F	
LCS 500-800258/2	Lab Control Sample	Total/NA	Water	SM 4500 S2 F	
500-261748-3 MS	DKC-03_20241216	Total/NA	Water	SM 4500 S2 F	
500-261748-3 MSD	DKC-03_20241216	Total/NA	Water	SM 4500 S2 F	

Analysis Batch: 800286

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261748-5	LKS-01_20241216	Total/NA	Water	SM 4500 S2 F	
500-261748-7	MLR-01_20241216	Total/NA	Water	SM 4500 S2 F	
500-261748-9	LKS-02_20241216	Total/NA	Water	SM 4500 S2 F	
MB 500-800286/1	Method Blank	Total/NA	Water	SM 4500 S2 F	
LCS 500-800286/2	Lab Control Sample	Total/NA	Water	SM 4500 S2 F	

Analysis Batch: 800369

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261748-1	MLR-02_20241216	Total/NA	Water	SM 2540D	
500-261748-3	DKC-03_20241216	Total/NA	Water	SM 2540D	
500-261748-5	LKS-01_20241216	Total/NA	Water	SM 2540D	
500-261748-7	MLR-01_20241216	Total/NA	Water	SM 2540D	
500-261748-9	LKS-02_20241216	Total/NA	Water	SM 2540D	
MB 500-800369/1	Method Blank	Total/NA	Water	SM 2540D	
LCS 500-800369/2	Lab Control Sample	Total/NA	Water	SM 2540D	
500-261748-3 MS	DKC-03_20241216	Total/NA	Water	SM 2540D	
500-261748-3 MSD	DKC-03_20241216	Total/NA	Water	SM 2540D	

Analysis Batch: 800446

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261748-1	MLR-02_20241216	Total/NA	Water	SM 2320B	
500-261748-3	DKC-03_20241216	Total/NA	Water	SM 2320B	
500-261748-5	LKS-01_20241216	Total/NA	Water	SM 2320B	
500-261748-7	MLR-01_20241216	Total/NA	Water	SM 2320B	
500-261748-9	LKS-02_20241216	Total/NA	Water	SM 2320B	
MB 500-800446/28	Method Blank	Total/NA	Water	SM 2320B	

General Chemistry (Continued)

Analysis Batch: 800446 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 500-800446/29	Lab Control Sample	Total/NA	Water	SM 2320B	

Analysis Batch: 800504

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261748-1	MLR-02_20241216	Total/NA	Water	SM 4500 S2 F	
MB 500-800504/1	Method Blank	Total/NA	Water	SM 4500 S2 F	
LCS 500-800504/2	Lab Control Sample	Total/NA	Water	SM 4500 S2 F	

Prep Batch: 800591

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261748-1	MLR-02_20241216	Total/NA	Water	Distill/CN	
500-261748-3	DKC-03_20241216	Total/NA	Water	Distill/CN	
500-261748-5	LKS-01_20241216	Total/NA	Water	Distill/CN	
500-261748-7	MLR-01_20241216	Total/NA	Water	Distill/CN	
500-261748-9	LKS-02_20241216	Total/NA	Water	Distill/CN	
MB 500-800591/1-A	Method Blank	Total/NA	Water	Distill/CN	
LCS 500-800591/2-A	Lab Control Sample	Total/NA	Water	Distill/CN	
500-261748-3 MS	DKC-03_20241216	Total/NA	Water	Distill/CN	
500-261748-3 MSD	DKC-03_20241216	Total/NA	Water	Distill/CN	

Analysis Batch: 800627

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 500-800591/1-A	Method Blank	Total/NA	Water	335.4	800591
LCS 500-800591/2-A	Lab Control Sample	Total/NA	Water	335.4	800591

Analysis Batch: 800628

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261748-1	MLR-02_20241216	Total/NA	Water	335.4	800591
500-261748-3	DKC-03_20241216	Total/NA	Water	335.4	800591
500-261748-5	LKS-01_20241216	Total/NA	Water	335.4	800591
500-261748-7	MLR-01_20241216	Total/NA	Water	335.4	800591
500-261748-9	LKS-02_20241216	Total/NA	Water	335.4	800591
500-261748-3 MS	DKC-03_20241216	Total/NA	Water	335.4	800591
500-261748-3 MSD	DKC-03_20241216	Total/NA	Water	335.4	800591

Prep Batch: 800754

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261748-1	MLR-02_20241216	Total/NA	Water	365.2/365.3/365	
500-261748-3	DKC-03_20241216	Total/NA	Water	365.2/365.3/365	
500-261748-5	LKS-01_20241216	Total/NA	Water	365.2/365.3/365	
500-261748-7	MLR-01_20241216	Total/NA	Water	365.2/365.3/365	
500-261748-9	LKS-02_20241216	Total/NA	Water	365.2/365.3/365	
MB 500-800754/1-A	Method Blank	Total/NA	Water	365.2/365.3/365	
LCS 500-800754/2-A	Lab Control Sample	Total/NA	Water	365.2/365.3/365	
500-261748-3 MS	DKC-03_20241216	Total/NA	Water	365.2/365.3/365	
500-261748-3 MSD	DKC-03_20241216	Total/NA	Water	365.2/365.3/365	

Analysis Batch: 800995

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261748-1	MLR-02_20241216	Dissolved	Water	SM 5310C	
500-261748-3	DKC-03_20241216	Dissolved	Water	SM 5310C	

General Chemistry (Continued)

Analysis Batch: 800995 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261748-5	LKS-01_20241216	Dissolved	Water	SM 5310C	
500-261748-7	MLR-01_20241216	Dissolved	Water	SM 5310C	
500-261748-9	LKS-02_20241216	Dissolved	Water	SM 5310C	
MB 500-800995/31	Method Blank	Dissolved	Water	SM 5310C	
LCS 500-800995/32	Lab Control Sample	Dissolved	Water	SM 5310C	
500-261748-3 MS	DKC-03_20241216	Dissolved	Water	SM 5310C	
500-261748-3 MSD	DKC-03_20241216	Dissolved	Water	SM 5310C	

Analysis Batch: 801248

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261748-1	MLR-02_20241216	Total/NA	Water	365.1	800754
500-261748-3	DKC-03_20241216	Total/NA	Water	365.1	800754
500-261748-5	LKS-01_20241216	Total/NA	Water	365.1	800754
500-261748-7	MLR-01_20241216	Total/NA	Water	365.1	800754
500-261748-9	LKS-02_20241216	Total/NA	Water	365.1	800754
MB 500-800754/1-A	Method Blank	Total/NA	Water	365.1	800754
LCS 500-800754/2-A	Lab Control Sample	Total/NA	Water	365.1	800754
500-261748-3 MS	DKC-03_20241216	Total/NA	Water	365.1	800754
500-261748-3 MSD	DKC-03_20241216	Total/NA	Water	365.1	800754

Analysis Batch: 801731

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261748-1	MLR-02_20241216	Total/NA	Water	SM 2520B	
500-261748-3	DKC-03_20241216	Total/NA	Water	SM 2520B	
500-261748-5	LKS-01_20241216	Total/NA	Water	SM 2520B	
500-261748-7	MLR-01_20241216	Total/NA	Water	SM 2520B	
500-261748-9	LKS-02_20241216	Total/NA	Water	SM 2520B	

Analysis Batch: 801887

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261748-1	MLR-02_20241216	Total/NA	Water	SM 5310C	
500-261748-3	DKC-03_20241216	Total/NA	Water	SM 5310C	
500-261748-5	LKS-01_20241216	Total/NA	Water	SM 5310C	
500-261748-7	MLR-01_20241216	Total/NA	Water	SM 5310C	
500-261748-9	LKS-02_20241216	Total/NA	Water	SM 5310C	
MB 500-801887/7	Method Blank	Total/NA	Water	SM 5310C	
LCS 500-801887/8	Lab Control Sample	Total/NA	Water	SM 5310C	
500-261748-3 MS	DKC-03_20241216	Total/NA	Water	SM 5310C	
500-261748-3 MSD	DKC-03_20241216	Total/NA	Water	SM 5310C	

Prep Batch: 801942

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261748-1	MLR-02_20241216	Total/NA	Water	Distill/Ammonia	
500-261748-3	DKC-03_20241216	Total/NA	Water	Distill/Ammonia	
500-261748-5	LKS-01_20241216	Total/NA	Water	Distill/Ammonia	
500-261748-7	MLR-01_20241216	Total/NA	Water	Distill/Ammonia	
500-261748-9	LKS-02_20241216	Total/NA	Water	Distill/Ammonia	
MB 500-801942/1-A	Method Blank	Total/NA	Water	Distill/Ammonia	
LCS 500-801942/2-A	Lab Control Sample	Total/NA	Water	Distill/Ammonia	
500-261748-3 MS	DKC-03_20241216	Total/NA	Water	Distill/Ammonia	
500-261748-3 MSD	DKC-03_20241216	Total/NA	Water	Distill/Ammonia	

QC Association Summary

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261748-1

General Chemistry

Analysis Batch: 802069

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261748-1	MLR-02_20241216	Total/NA	Water	350.1	801942
500-261748-3	DKC-03_20241216	Total/NA	Water	350.1	801942
500-261748-5	LKS-01_20241216	Total/NA	Water	350.1	801942
500-261748-7	MLR-01_20241216	Total/NA	Water	350.1	801942
500-261748-9	LKS-02_20241216	Total/NA	Water	350.1	801942
MB 500-801942/1-A	Method Blank	Total/NA	Water	350.1	801942
LCS 500-801942/2-A	Lab Control Sample	Total/NA	Water	350.1	801942
500-261748-3 MS	DKC-03_20241216	Total/NA	Water	350.1	801942
500-261748-3 MSD	DKC-03_20241216	Total/NA	Water	350.1	801942

Method: 1630 - Methyl Mercury

Lab Sample ID: MB 350-4237/1-A
Matrix: Water
Analysis Batch: 4287

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 4237

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		01/02/25 13:00	01/03/25 15:35	1

Lab Sample ID: MB 350-4237/2-A
Matrix: Water
Analysis Batch: 4287

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 4237

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		01/02/25 13:00	01/03/25 15:45	1

Lab Sample ID: MB 350-4237/3-A
Matrix: Water
Analysis Batch: 4287

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 4237

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		01/02/25 13:00	01/03/25 15:55	1

Lab Sample ID: LCS 350-4237/4-A
Matrix: Water
Analysis Batch: 4287

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 4237

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Methyl Mercury			1.00	0.893		ng/L		89	65 - 135		

Lab Sample ID: LCSD 350-4237/5-A
Matrix: Water
Analysis Batch: 4287

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 4237

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Methyl Mercury			1.00	0.963		ng/L		96	65 - 135	8	35

Lab Sample ID: 500-261748-3 MS
Matrix: Water
Analysis Batch: 4287

Client Sample ID: DKC-03_20241216
Prep Type: Total/NA
Prep Batch: 4237

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Methyl Mercury	0.030	J	1.00	0.982		ng/L		95	65 - 135		

Lab Sample ID: 500-261748-3 MSD
Matrix: Water
Analysis Batch: 4287

Client Sample ID: DKC-03_20241216
Prep Type: Total/NA
Prep Batch: 4237

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Methyl Mercury	0.030	J	1.00	0.885		ng/L		85	65 - 135	10	35

Lab Sample ID: MB 350-4263/1-A
Matrix: Water
Analysis Batch: 4287

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 4263

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		01/03/25 11:31	01/03/25 21:01	1

Method: 1630 - Methyl Mercury

Lab Sample ID: MB 350-4263/2-A
Matrix: Water
Analysis Batch: 4287

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 4263

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		01/03/25 11:31	01/03/25 21:11	1

Lab Sample ID: MB 350-4263/3-A
Matrix: Water
Analysis Batch: 4287

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 4263

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		01/03/25 11:31	01/03/25 21:22	1

Lab Sample ID: LCS 350-4263/4-A
Matrix: Water
Analysis Batch: 4287

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 4263

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Methyl Mercury			1.00	0.708		ng/L		71	65 - 135		

Lab Sample ID: LCSD 350-4263/5-A
Matrix: Water
Analysis Batch: 4287

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 4263

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Methyl Mercury			1.00	0.661		ng/L		66	65 - 135	7	35

Lab Sample ID: 500-261748-3 MS
Matrix: Water
Analysis Batch: 4287

Client Sample ID: DKC-03_20241216
Prep Type: Dissolved
Prep Batch: 4263

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Methyl Mercury	0.035	J F1	1.00	0.702		ng/L		67	65 - 135		

Lab Sample ID: 500-261748-3 MSD
Matrix: Water
Analysis Batch: 4287

Client Sample ID: DKC-03_20241216
Prep Type: Dissolved
Prep Batch: 4263

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Methyl Mercury	0.035	J F1	1.00	0.635	F1	ng/L		60	65 - 135	10	35

Method: 1631E - Mercury, Low Level (CVAFS)

Lab Sample ID: MB 350-4286/16
Matrix: Water
Analysis Batch: 4286

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			01/03/25 15:27	1

Method: 1631E - Mercury, Low Level (CVAFS) (Continued)

Lab Sample ID: MB 350-4286/17
Matrix: Water
Analysis Batch: 4286

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			01/03/25 15:31	1

Lab Sample ID: MB 350-4286/18
Matrix: Water
Analysis Batch: 4286

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			01/03/25 15:35	1

Lab Sample ID: MB 350-4286/19
Matrix: Water
Analysis Batch: 4286

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			01/03/25 15:39	1

Lab Sample ID: MB 350-4286/20
Matrix: Water
Analysis Batch: 4286

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			01/03/25 15:44	1

Lab Sample ID: MB 350-4286/23
Matrix: Water
Analysis Batch: 4286

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			01/03/25 15:56	1

Lab Sample ID: LCS 350-4286/27
Matrix: Water
Analysis Batch: 4286

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	5.00	4.80		ng/L		96	77 - 123

Lab Sample ID: LCS 350-4286/29
Matrix: Water
Analysis Batch: 4286

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	5.00	5.01		ng/L		100	77 - 123

Lab Sample ID: LCSD 350-4286/28
Matrix: Water
Analysis Batch: 4286

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	5.00	4.81		ng/L		96	77 - 123	0	24

Method: 1631E - Mercury, Low Level (CVAFS)

Lab Sample ID: LCSD 350-4286/30
Matrix: Water
Analysis Batch: 4286

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury			5.00	4.87		ng/L		97	77 - 123	3	24

Lab Sample ID: 500-261748-3 MS
Matrix: Water
Analysis Batch: 4286

Client Sample ID: DKC-03_20241216
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	3.9		5.00	8.16		ng/L		86	71 - 125

Lab Sample ID: 500-261748-3 MSD
Matrix: Water
Analysis Batch: 4286

Client Sample ID: DKC-03_20241216
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	3.9		5.00	7.81		ng/L		79	71 - 125	4	24

Lab Sample ID: 500-261748-4 MS
Matrix: Water
Analysis Batch: 4286

Client Sample ID: DKC-03_20241216_FBLL
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	FB Result	FB Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	<0.20		5.00	5.03		ng/L		101	71 - 125

Lab Sample ID: 500-261748-4 MSD
Matrix: Water
Analysis Batch: 4286

Client Sample ID: DKC-03_20241216_FBLL
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	FB Result	FB Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	<0.20		5.00	4.83		ng/L		97	71 - 125	4	24

Lab Sample ID: 500-261748-3 MS
Matrix: Water
Analysis Batch: 4286

Client Sample ID: DKC-03_20241216
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	2.9		5.00	7.46		ng/L		91	71 - 125

Lab Sample ID: 500-261748-3 MSD
Matrix: Water
Analysis Batch: 4286

Client Sample ID: DKC-03_20241216
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	2.9		5.00	7.78		ng/L		97	71 - 125	4	24

Method: 1638 - Metals (ICP/MS)

Lab Sample ID: MB 350-4317/1-A
Matrix: Water
Analysis Batch: 4379

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 4317

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	<0.0098		0.050	0.0098	ug/L		01/07/25 12:01	01/08/25 16:24	1

Lab Sample ID: MB 350-4317/2-A
Matrix: Water
Analysis Batch: 4379

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 4317

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	<0.0098		0.050	0.0098	ug/L		01/07/25 12:01	01/08/25 16:28	1

Lab Sample ID: LCS 350-4317/3-A
Matrix: Water
Analysis Batch: 4379

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 4317

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Uranium			25.0	23.2		ug/L		93	85 - 115		

Lab Sample ID: LCSD 350-4317/4-A
Matrix: Water
Analysis Batch: 4379

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 4317

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Uranium			25.0	23.6		ug/L		94	85 - 115	2	20

Lab Sample ID: 500-261748-3 MS
Matrix: Water
Analysis Batch: 4379

Client Sample ID: DKC-03_20241216
Prep Type: Total Recoverable
Prep Batch: 4317

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Uranium	0.14		25.0	25.0		ug/L		99	70 - 130		

Lab Sample ID: 500-261748-3 MSD
Matrix: Water
Analysis Batch: 4379

Client Sample ID: DKC-03_20241216
Prep Type: Total Recoverable
Prep Batch: 4317

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Uranium	0.14		25.0	24.9		ug/L		99	70 - 130	1	20

Lab Sample ID: 500-261748-3 MS
Matrix: Water
Analysis Batch: 4379

Client Sample ID: DKC-03_20241216
Prep Type: Dissolved
Prep Batch: 4317

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Uranium	0.12		25.0	24.3		ug/L		97	70 - 130		

Lab Sample ID: 500-261748-3 MSD
Matrix: Water
Analysis Batch: 4379

Client Sample ID: DKC-03_20241216
Prep Type: Dissolved
Prep Batch: 4317

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Uranium	0.12		25.0	24.2		ug/L		96	70 - 130	0	20

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 500-801918/1-A
Matrix: Water
Analysis Batch: 802387

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 801918

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<25		100	25	ug/L		01/07/25 08:07	01/09/25 14:32	1
Antimony	<1.3		3.0	1.3	ug/L		01/07/25 08:07	01/09/25 14:32	1
Arsenic	<0.23		1.0	0.23	ug/L		01/07/25 08:07	01/09/25 14:32	1
Barium	<0.73		2.5	0.73	ug/L		01/07/25 08:07	01/09/25 14:32	1
Beryllium	<0.53		1.0	0.53	ug/L		01/07/25 08:07	01/09/25 14:32	1
Boron	27.7	J	50	13	ug/L		01/07/25 08:07	01/09/25 14:32	1
Cadmium	<0.17		0.50	0.17	ug/L		01/07/25 08:07	01/09/25 14:32	1
Calcium	<44		200	44	ug/L		01/07/25 08:07	01/09/25 14:32	1
Chromium	<1.1		5.0	1.1	ug/L		01/07/25 08:07	01/09/25 14:32	1
Cobalt	<0.40		1.0	0.40	ug/L		01/07/25 08:07	01/09/25 14:32	1
Copper	<0.50		2.0	0.50	ug/L		01/07/25 08:07	01/09/25 14:32	1
Iron	<47		100	47	ug/L		01/07/25 08:07	01/09/25 14:32	1
Lead	<0.19		0.50	0.19	ug/L		01/07/25 08:07	01/09/25 14:32	1
Lithium	<2.5		10	2.5	ug/L		01/07/25 08:07	01/09/25 14:32	1
Magnesium	<49		200	49	ug/L		01/07/25 08:07	01/09/25 14:32	1
Manganese	<0.79		2.5	0.79	ug/L		01/07/25 08:07	01/09/25 14:32	1
Molybdenum	<2.5		5.0	2.5	ug/L		01/07/25 08:07	01/09/25 14:32	1
Nickel	<0.63		2.0	0.63	ug/L		01/07/25 08:07	01/09/25 14:32	1
Potassium	<110		500	110	ug/L		01/07/25 08:07	01/09/25 14:32	1
Selenium	<0.98		2.5	0.98	ug/L		01/07/25 08:07	01/09/25 14:32	1
Silver	<0.12		0.50	0.12	ug/L		01/07/25 08:07	01/09/25 14:32	1
Sodium	<77		200	77	ug/L		01/07/25 08:07	01/09/25 14:32	1
Strontium	<0.64		4.0	0.64	ug/L		01/07/25 08:07	01/09/25 14:32	1
Thallium	<0.57		2.0	0.57	ug/L		01/07/25 08:07	01/09/25 14:32	1
Tin	<1.3		5.0	1.3	ug/L		01/07/25 08:07	01/09/25 14:32	1
Vanadium	<2.2		5.0	2.2	ug/L		01/07/25 08:07	01/09/25 14:32	1
Zinc	<6.9		20	6.9	ug/L		01/07/25 08:07	01/09/25 14:32	1

Lab Sample ID: LCS 500-801918/2-A
Matrix: Water
Analysis Batch: 802387

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 801918

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	2000	1930		ug/L		97	80 - 120
Antimony	500	520		ug/L		104	80 - 120
Arsenic	100	97.5		ug/L		97	80 - 120
Barium	500	498		ug/L		100	80 - 120
Beryllium	50.0	49.8		ug/L		100	80 - 120
Boron	1000	1040		ug/L		104	80 - 120
Cadmium	50.0	50.8		ug/L		102	80 - 120
Calcium	10000	8830		ug/L		88	80 - 120
Chromium	200	210		ug/L		105	80 - 120
Cobalt	500	537		ug/L		107	80 - 120
Copper	250	254		ug/L		102	80 - 120
Iron	1000	1050		ug/L		105	80 - 120
Lead	100	101		ug/L		101	80 - 120
Lithium	100	104		ug/L		104	80 - 120
Magnesium	10000	10400		ug/L		104	80 - 120
Manganese	500	523		ug/L		105	80 - 120

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 500-801918/2-A
Matrix: Water
Analysis Batch: 802387

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 801918

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Molybdenum	1000	980		ug/L		98	80 - 120
Nickel	500	509		ug/L		102	80 - 120
Potassium	10000	10400		ug/L		104	80 - 120
Selenium	100	97.4		ug/L		97	80 - 120
Silver	50.0	49.7		ug/L		99	80 - 120
Sodium	10000	10300		ug/L		103	80 - 120
Strontium	1000	974		ug/L		97	80 - 120
Thallium	100	103		ug/L		103	80 - 120
Tin	1000	1010		ug/L		101	80 - 120
Vanadium	500	507		ug/L		101	80 - 120
Zinc	500	503		ug/L		101	80 - 120

Lab Sample ID: 500-261748-3 MS
Matrix: Water
Analysis Batch: 802387

Client Sample ID: DKC-03_20241216
Prep Type: Total Recoverable
Prep Batch: 801918

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	870		2000	2540		ug/L		84	75 - 125
Antimony	<1.3		500	515		ug/L		103	75 - 125
Arsenic	0.41	J	100	97.4		ug/L		97	75 - 125
Barium	34		500	521		ug/L		97	75 - 125
Beryllium	<0.53		50.0	51.4		ug/L		103	75 - 125
Boron	23	J B	1000	1040		ug/L		102	75 - 125
Cadmium	<0.17		50.0	50.8		ug/L		102	75 - 125
Calcium	12000		10000	20400		ug/L		87	75 - 125
Chromium	1.3	J	200	210		ug/L		104	75 - 125
Cobalt	0.46	J	500	545		ug/L		109	75 - 125
Copper	10		250	261		ug/L		100	75 - 125
Iron	1400	F1	1000	1900	F1	ug/L		47	75 - 125
Lead	2.3		100	102		ug/L		99	75 - 125
Lithium	<2.5		100	107		ug/L		107	75 - 125
Magnesium	3400		10000	13600		ug/L		102	75 - 125
Manganese	45		500	543		ug/L		100	75 - 125
Molybdenum	<2.5		1000	994		ug/L		99	75 - 125
Nickel	1.1	J	500	506		ug/L		101	75 - 125
Potassium	1200		10000	11500		ug/L		103	75 - 125
Selenium	<0.98		100	96.8		ug/L		97	75 - 125
Silver	<0.12		50.0	49.8		ug/L		100	75 - 125
Sodium	3400		10000	13900		ug/L		105	75 - 125
Strontium	46		1000	1010		ug/L		97	75 - 125
Thallium	<0.57		100	104		ug/L		104	75 - 125
Tin	<1.3		1000	1010		ug/L		101	75 - 125
Vanadium	2.5	J	500	518		ug/L		103	75 - 125
Zinc	11	J	500	505		ug/L		99	75 - 125

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 500-261748-3 MSD
Matrix: Water
Analysis Batch: 802387

Client Sample ID: DKC-03_20241216
Prep Type: Total Recoverable
Prep Batch: 801918

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum	870		2000	2460		ug/L		80	75 - 125	3	20
Antimony	<1.3		500	522		ug/L		104	75 - 125	1	20
Arsenic	0.41	J	100	98.5		ug/L		98	75 - 125	1	20
Barium	34		500	529		ug/L		99	75 - 125	2	20
Beryllium	<0.53		50.0	51.5		ug/L		103	75 - 125	0	20
Boron	23	J B	1000	1060		ug/L		103	75 - 125	1	20
Cadmium	<0.17		50.0	51.0		ug/L		102	75 - 125	0	20
Calcium	12000		10000	20400		ug/L		87	75 - 125	0	20
Chromium	1.3	J	200	214		ug/L		106	75 - 125	2	20
Cobalt	0.46	J	500	550		ug/L		110	75 - 125	1	20
Copper	10		250	265		ug/L		102	75 - 125	1	20
Iron	1400	F1	1000	1860	F1	ug/L		44	75 - 125	2	20
Lead	2.3		100	103		ug/L		101	75 - 125	2	20
Lithium	<2.5		100	108		ug/L		108	75 - 125	1	20
Magnesium	3400		10000	13700		ug/L		102	75 - 125	0	20
Manganese	45		500	539		ug/L		99	75 - 125	1	20
Molybdenum	<2.5		1000	996		ug/L		100	75 - 125	0	20
Nickel	1.1	J	500	512		ug/L		102	75 - 125	1	20
Potassium	1200		10000	11600		ug/L		104	75 - 125	1	20
Selenium	<0.98		100	98.0		ug/L		98	75 - 125	1	20
Silver	<0.12		50.0	50.2		ug/L		100	75 - 125	1	20
Sodium	3400		10000	13300		ug/L		99	75 - 125	4	20
Strontium	46		1000	1010		ug/L		97	75 - 125	0	20
Thallium	<0.57		100	105		ug/L		105	75 - 125	1	20
Tin	<1.3		1000	1020		ug/L		102	75 - 125	1	20
Vanadium	2.5	J	500	522		ug/L		104	75 - 125	1	20
Zinc	11	J	500	506		ug/L		99	75 - 125	0	20

Lab Sample ID: 500-261748-3 DU
Matrix: Water
Analysis Batch: 802387

Client Sample ID: DKC-03_20241216
Prep Type: Total Recoverable
Prep Batch: 801918

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Aluminum	870			876		ug/L				1	20
Antimony	<1.3			<1.3		ug/L				NC	20
Arsenic	0.41	J		0.412	J	ug/L				0.7	20
Barium	34			34.5		ug/L				0.4	20
Beryllium	<0.53			<0.53		ug/L				NC	20
Boron	23	J B		21.1	J	ug/L				10	20
Cadmium	<0.17			<0.17		ug/L				NC	20
Calcium	12000			11800		ug/L				1	20
Chromium	1.3	J		1.51	J	ug/L				12	20
Cobalt	0.46	J		0.450	J	ug/L				3	20
Copper	10			14.7	F3	ug/L				38	20
Iron	1400	F1		1510		ug/L				5	20
Lead	2.3			2.33		ug/L				2	20
Lithium	<2.5			<2.5		ug/L				NC	20
Magnesium	3400			3450		ug/L				0.7	20
Manganese	45			46.0		ug/L				2	20

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 500-261748-3 DU
Matrix: Water
Analysis Batch: 802387

Client Sample ID: DKC-03_20241216
Prep Type: Total Recoverable
Prep Batch: 801918

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Molybdenum	<2.5		<2.5		ug/L		NC	20
Nickel	1.1	J	1.05	J	ug/L		7	20
Potassium	1200		1180		ug/L		2	20
Selenium	<0.98		<0.98		ug/L		NC	20
Silver	<0.12		<0.12		ug/L		NC	20
Sodium	3400		3470		ug/L		1	20
Strontium	46		46.7		ug/L		1	20
Thallium	<0.57		<0.57		ug/L		NC	20
Tin	<1.3		<1.3		ug/L		NC	20
Vanadium	2.5	J	2.61	J	ug/L		3	20
Zinc	11	J	18.0	J F5	ug/L		45	20

Lab Sample ID: 500-261748-3 MS
Matrix: Water
Analysis Batch: 802387

Client Sample ID: DKC-03_20241216
Prep Type: Dissolved
Prep Batch: 801918

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	43	J	2000	1960		ug/L		96	75 - 125
Antimony	<1.3		500	513		ug/L		103	75 - 125
Arsenic	0.23	J	100	96.3		ug/L		96	75 - 125
Barium	25		500	518		ug/L		98	75 - 125
Beryllium	<0.53		50.0	51.4		ug/L		103	75 - 125
Boron	25	J B	1000	1030		ug/L		101	75 - 125
Cadmium	<0.17		50.0	50.5		ug/L		101	75 - 125
Calcium	11000		10000	20000		ug/L		87	75 - 125
Chromium	<1.1		200	212		ug/L		106	75 - 125
Cobalt	<0.40		500	542		ug/L		108	75 - 125
Copper	6.2		250	259		ug/L		101	75 - 125
Iron	300		1000	1360		ug/L		106	75 - 125
Lead	<0.19		100	102		ug/L		102	75 - 125
Lithium	<2.5		100	103		ug/L		103	75 - 125
Magnesium	3200		10000	13400		ug/L		102	75 - 125
Manganese	7.0		500	531		ug/L		105	75 - 125
Molybdenum	<2.5		1000	987		ug/L		99	75 - 125
Nickel	<0.63		500	508		ug/L		102	75 - 125
Potassium	1000		10000	11300		ug/L		103	75 - 125
Selenium	<0.98		100	97.0		ug/L		97	75 - 125
Silver	<0.12		50.0	49.8		ug/L		100	75 - 125
Sodium	3300		10000	13900		ug/L		106	75 - 125
Strontium	44		1000	1000		ug/L		96	75 - 125
Thallium	<0.57		100	104		ug/L		104	75 - 125
Tin	<1.3		1000	1000		ug/L		100	75 - 125
Vanadium	<2.2		500	515		ug/L		103	75 - 125
Zinc	<6.9		500	501		ug/L		100	75 - 125

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 500-261748-3 MSD
Matrix: Water
Analysis Batch: 802387

Client Sample ID: DKC-03_20241216
Prep Type: Dissolved
Prep Batch: 801918

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum	43	J	2000	1980		ug/L		97	75 - 125	1	20
Antimony	<1.3		500	518		ug/L		104	75 - 125	1	20
Arsenic	0.23	J	100	97.3		ug/L		97	75 - 125	1	20
Barium	25		500	514		ug/L		98	75 - 125	1	20
Beryllium	<0.53		50.0	51.2		ug/L		102	75 - 125	1	20
Boron	25	J B	1000	1030		ug/L		101	75 - 125	0	20
Cadmium	<0.17		50.0	51.2		ug/L		102	75 - 125	1	20
Calcium	11000		10000	19900		ug/L		86	75 - 125	1	20
Chromium	<1.1		200	211		ug/L		105	75 - 125	0	20
Cobalt	<0.40		500	543		ug/L		109	75 - 125	0	20
Copper	6.2		250	262		ug/L		102	75 - 125	1	20
Iron	300		1000	1480		ug/L		119	75 - 125	9	20
Lead	<0.19		100	101		ug/L		101	75 - 125	0	20
Lithium	<2.5		100	106		ug/L		106	75 - 125	3	20
Magnesium	3200		10000	13600		ug/L		103	75 - 125	1	20
Manganese	7.0		500	530		ug/L		105	75 - 125	0	20
Molybdenum	<2.5		1000	997		ug/L		100	75 - 125	1	20
Nickel	<0.63		500	509		ug/L		102	75 - 125	0	20
Potassium	1000		10000	11300		ug/L		103	75 - 125	0	20
Selenium	<0.98		100	97.5		ug/L		97	75 - 125	1	20
Silver	<0.12		50.0	50.1		ug/L		100	75 - 125	1	20
Sodium	3300		10000	13400		ug/L		101	75 - 125	3	20
Strontium	44		1000	1010		ug/L		96	75 - 125	1	20
Thallium	<0.57		100	104		ug/L		104	75 - 125	1	20
Tin	<1.3		1000	1020		ug/L		102	75 - 125	1	20
Vanadium	<2.2		500	515		ug/L		103	75 - 125	0	20
Zinc	<6.9		500	505		ug/L		101	75 - 125	1	20

Lab Sample ID: 500-261748-3 DU
Matrix: Water
Analysis Batch: 802387

Client Sample ID: DKC-03_20241216
Prep Type: Dissolved
Prep Batch: 801918

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Aluminum	43	J		43.1	J	ug/L				0.6	20
Antimony	<1.3			<1.3		ug/L				NC	20
Arsenic	0.23	J		0.232	J	ug/L				0.4	20
Barium	25			25.1		ug/L				1	20
Beryllium	<0.53			<0.53		ug/L				NC	20
Boron	25	J B		21.4	J	ug/L				16	20
Cadmium	<0.17			<0.17		ug/L				NC	20
Calcium	11000			11300		ug/L				0.5	20
Chromium	<1.1			<1.1		ug/L				NC	20
Cobalt	<0.40			<0.40		ug/L				NC	20
Copper	6.2			6.05		ug/L				3	20
Iron	300			295		ug/L				0.8	20
Lead	<0.19			<0.19		ug/L				NC	20
Lithium	<2.5			<2.5		ug/L				NC	20
Magnesium	3200			3210		ug/L				0.7	20
Manganese	7.0			6.99		ug/L				0	20

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 500-261748-3 DU
Matrix: Water
Analysis Batch: 802387

Client Sample ID: DKC-03_20241216
Prep Type: Dissolved
Prep Batch: 801918

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Molybdenum	<2.5		<2.5		ug/L		NC	20
Nickel	<0.63		<0.63		ug/L		NC	20
Potassium	1000		1000		ug/L		0.8	20
Selenium	<0.98		<0.98		ug/L		NC	20
Silver	<0.12		<0.12		ug/L		NC	20
Sodium	3300		3320		ug/L		0.7	20
Strontium	44		44.0		ug/L		0.2	20
Thallium	<0.57		<0.57		ug/L		NC	20
Tin	<1.3		<1.3		ug/L		NC	20
Vanadium	<2.2		<2.2		ug/L		NC	20
Zinc	<6.9		<6.9		ug/L		NC	20

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 500-799925/3
Matrix: Water
Analysis Batch: 799925

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	<0.45		1.0	0.45	mg/L			12/18/24 10:57	1
Chloride	<0.42		1.0	0.42	mg/L			12/18/24 10:57	1
Fluoride	<0.43		1.0	0.43	mg/L			12/18/24 10:57	1
Sulfate	<0.47		1.0	0.47	mg/L			12/18/24 10:57	1

Lab Sample ID: LCS 500-799925/4
Matrix: Water
Analysis Batch: 799925

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bromide	20.0	19.9		mg/L		99	90 - 110
Chloride	20.0	19.9		mg/L		99	90 - 110
Fluoride	20.0	20.4		mg/L		102	90 - 110
Sulfate	20.0	21.3		mg/L		107	90 - 110

Lab Sample ID: 500-261748-3 MS
Matrix: Water
Analysis Batch: 799925

Client Sample ID: DKC-03_20241216
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Bromide	<0.45		10.0	9.59		mg/L		96	80 - 120
Chloride	3.3		10.0	13.1		mg/L		99	80 - 120
Fluoride	<0.43		10.0	9.88		mg/L		99	80 - 120
Sulfate	4.5	F1	10.0	11.9	F1	mg/L		74	80 - 120

Lab Sample ID: 500-261748-3 MSD
Matrix: Water
Analysis Batch: 799925

Client Sample ID: DKC-03_20241216
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Bromide	<0.45		10.0	9.97		mg/L		100	80 - 120	4	20

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 500-261748-3 MSD
Matrix: Water
Analysis Batch: 799925

Client Sample ID: DKC-03_20241216
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	3.3		10.0	13.0		mg/L		97	80 - 120	1	20
Fluoride	<0.43		10.0	10.1		mg/L		101	80 - 120	2	20
Sulfate	4.5	F1	10.0	11.7	F1	mg/L		72	80 - 120	1	20

Lab Sample ID: MB 500-799926/3
Matrix: Water
Analysis Batch: 799926

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	<0.37		1.0	0.37	mg/L			12/18/24 10:57	1
Nitrite as N	<0.25		1.0	0.25	mg/L			12/18/24 10:57	1
Nitrate Nitrite as N	<0.37		1.0	0.37	mg/L			12/18/24 10:57	1

Lab Sample ID: LCS 500-799926/4
Matrix: Water
Analysis Batch: 799926

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate as N	20.0	19.8		mg/L		99	90 - 110
Nitrite as N	20.0	20.1		mg/L		100	90 - 110
Nitrate Nitrite as N	40.0	39.9		mg/L		100	90 - 110

Lab Sample ID: 500-261748-3 MS
Matrix: Water
Analysis Batch: 799926

Client Sample ID: DKC-03_20241216
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate as N	<0.37	H3	2.26	2.20	H3	mg/L		97	80 - 120
Nitrite as N	<0.25	H3	3.03	2.90	H3	mg/L		96	80 - 120
Nitrate Nitrite as N	<0.37	H3	5.29	5.10	H3	mg/L		96	80 - 120

Lab Sample ID: 500-261748-3 MSD
Matrix: Water
Analysis Batch: 799926

Client Sample ID: DKC-03_20241216
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrate as N	<0.37	H3	2.26	2.22	H3	mg/L		98	80 - 120	1	20
Nitrite as N	<0.25	H3	3.03	3.12	H3	mg/L		103	80 - 120	7	20
Nitrate Nitrite as N	<0.37	H3	5.29	5.34	H3	mg/L		101	80 - 120	5	20

Method: 335.4 - Cyanide, Total

Lab Sample ID: MB 500-800591/1-A
Matrix: Water
Analysis Batch: 800627

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 800591

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.0036		0.0050	0.0036	mg/L		12/23/24 08:57	12/23/24 10:09	1

Method: 335.4 - Cyanide, Total (Continued)

Lab Sample ID: LCS 500-800591/2-A
Matrix: Water
Analysis Batch: 800627

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 800591

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Cyanide, Total			0.100	0.0920		mg/L		92	90 - 110		

Lab Sample ID: 500-261748-3 MS
Matrix: Water
Analysis Batch: 800628

Client Sample ID: DKC-03_20241216
Prep Type: Total/NA
Prep Batch: 800591

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Cyanide, Total	<0.0036		0.100	0.102		mg/L		102	90 - 110		

Lab Sample ID: 500-261748-3 MSD
Matrix: Water
Analysis Batch: 800628

Client Sample ID: DKC-03_20241216
Prep Type: Total/NA
Prep Batch: 800591

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Cyanide, Total	<0.0036		0.100	0.0977		mg/L		98	90 - 110	5	20

Method: 350.1 - Nitrogen, Ammonia

Lab Sample ID: MB 500-801942/1-A
Matrix: Water
Analysis Batch: 802069

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 801942

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	<0.10		0.20	0.10	mg/L		01/07/25 11:37	01/07/25 16:31	1

Lab Sample ID: LCS 500-801942/2-A
Matrix: Water
Analysis Batch: 802069

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 801942

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Ammonia			2.00	1.97		mg/L		99	90 - 110		

Lab Sample ID: 500-261748-3 MS
Matrix: Water
Analysis Batch: 802069

Client Sample ID: DKC-03_20241216
Prep Type: Total/NA
Prep Batch: 801942

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Ammonia	<0.10		2.00	1.99		mg/L		100	90 - 110		

Lab Sample ID: 500-261748-3 MSD
Matrix: Water
Analysis Batch: 802069

Client Sample ID: DKC-03_20241216
Prep Type: Total/NA
Prep Batch: 801942

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Ammonia	<0.10		2.00	2.06		mg/L		103	90 - 110	3	20

Method: 365.1 - Phosphorus, Total

Lab Sample ID: MB 500-800754/1-A
Matrix: Water
Analysis Batch: 801248

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 800754

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phosphorus as P	<0.024		0.050	0.024	mg/L		12/26/24 10:28	12/31/24 09:43	1

Lab Sample ID: LCS 500-800754/2-A
Matrix: Water
Analysis Batch: 801248

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 800754

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Phosphorus as P	1.00	0.990		mg/L		99	88 - 123

Lab Sample ID: 500-261748-3 MS
Matrix: Water
Analysis Batch: 801248

Client Sample ID: DKC-03_20241216
Prep Type: Total/NA
Prep Batch: 800754

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Phosphorus as P	<0.024		1.00	1.01		mg/L		101	75 - 125

Lab Sample ID: 500-261748-3 MSD
Matrix: Water
Analysis Batch: 801248

Client Sample ID: DKC-03_20241216
Prep Type: Total/NA
Prep Batch: 800754

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Phosphorus as P	<0.024		1.00	1.04		mg/L		104	75 - 125	3	20

Method: SM 2320B - Alkalinity

Lab Sample ID: MB 500-800446/28
Matrix: Water
Analysis Batch: 800446

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	<3.7		5.0	3.7	mg/L			12/20/24 14:01	1
Bicarbonate Alkalinity as CaCO3	<3.7		5.0	3.7	mg/L			12/20/24 14:01	1
Carbonate Alkalinity as CaCO3	<3.7		5.0	3.7	mg/L			12/20/24 14:01	1

Lab Sample ID: LCS 500-800446/29
Matrix: Water
Analysis Batch: 800446

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Alkalinity	100	108		mg/L		108	95 - 121

Method: SM 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 500-800037/1
Matrix: Water
Analysis Batch: 800037

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<4.3		10	4.3	mg/L			12/19/24 00:31	1

Method: SM 2540C - Solids, Total Dissolved (TDS) (Continued)

Lab Sample ID: LCS 500-800037/2
Matrix: Water
Analysis Batch: 800037

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Dissolved Solids			250	244		mg/L		98	80 - 120		

Lab Sample ID: 500-261748-3 MS
Matrix: Water
Analysis Batch: 800037

Client Sample ID: DKC-03_20241216
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Dissolved Solids	66		250	326		mg/L		104	75 - 125		

Lab Sample ID: 500-261748-3 MSD
Matrix: Water
Analysis Batch: 800037

Client Sample ID: DKC-03_20241216
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Dissolved Solids	66		250	336		mg/L		108	75 - 125	3	20

Lab Sample ID: 500-261748-5 DU
Matrix: Water
Analysis Batch: 800037

Client Sample ID: LKS-01_20241216
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	150		144		mg/L		5	5

Method: SM 2540D - Solids, Total Suspended (TSS)

Lab Sample ID: MB 500-800369/1
Matrix: Water
Analysis Batch: 800369

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	<1.9		5.0	1.9	mg/L			12/20/24 12:42	1

Lab Sample ID: LCS 500-800369/2
Matrix: Water
Analysis Batch: 800369

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Suspended Solids			200	208		mg/L		104	80 - 120		

Lab Sample ID: 500-261748-3 MS
Matrix: Water
Analysis Batch: 800369

Client Sample ID: DKC-03_20241216
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Suspended Solids	7.8		100	99.0		mg/L		91	75 - 125		

Method: SM 2540D - Solids, Total Suspended (TSS) (Continued)

Lab Sample ID: 500-261748-3 MSD
Matrix: Water
Analysis Batch: 800369

Client Sample ID: DKC-03_20241216
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Suspended Solids	7.8		100	106		mg/L		98	75 - 125	7	20

Method: SM 4500 S2 F - Sulfide, Total

Lab Sample ID: MB 500-800258/1
Matrix: Water
Analysis Batch: 800258

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	<0.23		1.0	0.23	mg/L			12/20/24 04:27	1

Lab Sample ID: LCS 500-800258/2
Matrix: Water
Analysis Batch: 800258

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfide	3.76	3.84		mg/L		102	85 - 115

Lab Sample ID: 500-261748-3 MS
Matrix: Water
Analysis Batch: 800258

Client Sample ID: DKC-03_20241216
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfide	0.89	J	3.76	4.45		mg/L		95	75 - 125

Lab Sample ID: 500-261748-3 MSD
Matrix: Water
Analysis Batch: 800258

Client Sample ID: DKC-03_20241216
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfide	0.89	J	3.76	4.06		mg/L		84	75 - 125	9	20

Lab Sample ID: MB 500-800286/1
Matrix: Water
Analysis Batch: 800286

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	<0.23		1.0	0.23	mg/L			12/20/24 06:21	1

Lab Sample ID: LCS 500-800286/2
Matrix: Water
Analysis Batch: 800286

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfide	3.76	3.75		mg/L		100	85 - 115

Method: SM 4500 S2 F - Sulfide, Total (Continued)

Lab Sample ID: MB 500-800504/1
Matrix: Water
Analysis Batch: 800504

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	<0.23		1.0	0.23	mg/L			12/22/24 19:38	1

Lab Sample ID: LCS 500-800504/2
Matrix: Water
Analysis Batch: 800504

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfide	3.76	3.90		mg/L		104	85 - 115

Method: SM 5310C - TOC

Lab Sample ID: MB 500-801887/7
Matrix: Water
Analysis Batch: 801887

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	<0.47		1.0	0.47	mg/L			01/06/25 16:07	1

Lab Sample ID: LCS 500-801887/8
Matrix: Water
Analysis Batch: 801887

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Organic Carbon	10.0	10.3		mg/L		103	86 - 116

Lab Sample ID: 500-261748-3 MS
Matrix: Water
Analysis Batch: 801887

Client Sample ID: DKC-03_20241216
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Total Organic Carbon	8.8		10.0	19.0		mg/L		102	75 - 125

Lab Sample ID: 500-261748-3 MSD
Matrix: Water
Analysis Batch: 801887

Client Sample ID: DKC-03_20241216
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Organic Carbon	8.8		10.0	19.1		mg/L		103	75 - 125	0	20

Method: SM 5310C - Organic Carbon, Dissolved (DOC)

Lab Sample ID: MB 500-800995/31
Matrix: Water
Analysis Batch: 800995

Client Sample ID: Method Blank
Prep Type: Dissolved

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon	<0.47		1.0	0.47	mg/L			12/29/24 09:55	1

Method: SM 5310C - Organic Carbon, Dissolved (DOC) (Continued)

Lab Sample ID: LCS 500-800995/32
Matrix: Water
Analysis Batch: 800995

Client Sample ID: Lab Control Sample
Prep Type: Dissolved

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Dissolved Organic Carbon			10.0	9.83		mg/L		98	86 - 116		

Lab Sample ID: 500-261748-3 MS
Matrix: Water
Analysis Batch: 800995

Client Sample ID: DKC-03_20241216
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Dissolved Organic Carbon	8.5		10.0	19.2		mg/L		107	75 - 125		

Lab Sample ID: 500-261748-3 MSD
Matrix: Water
Analysis Batch: 800995

Client Sample ID: DKC-03_20241216
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Dissolved Organic Carbon	8.5		10.0	19.3		mg/L		108	75 - 125	0	20

Lab Chronicle

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261748-1

Client Sample ID: MLR-02_20241216

Lab Sample ID: 500-261748-1

Date Collected: 12/16/24 14:00

Matrix: Water

Date Received: 12/18/24 09:41

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	1630			4237	JS	EET SSM	01/02/25 13:00
Dissolved	Analysis	1630		1	4287	CL	EET SSM	01/03/25 20:00
Total/NA	Prep	1630			4237	JS	EET SSM	01/02/25 13:00
Total/NA	Analysis	1630		1	4287	CL	EET SSM	01/03/25 19:50
Dissolved	Analysis	1631E		1	4286	AJD	EET SSM	01/03/25 17:52
Total/NA	Analysis	1631E		1	4286	AJD	EET SSM	01/03/25 17:48
Dissolved	Prep	1638			4317	CL	EET SSM	01/07/25 12:01
Dissolved	Analysis	1638		1	4379	V1R	EET SSM	01/08/25 17:33
Total Recoverable	Prep	1638			4317	CL	EET SSM	01/07/25 12:01
Total Recoverable	Analysis	1638		1	4379	V1R	EET SSM	01/08/25 17:30
Dissolved	Prep	3005A			801918	BDE	EET CHI	01/07/25 08:07 - 01/07/25 14:07 [1]
Dissolved	Analysis	6020B		1	802387	RN	EET CHI	01/09/25 15:12
Total Recoverable	Prep	3005A			801918	BDE	EET CHI	01/07/25 08:07 - 01/07/25 14:07 [1]
Total Recoverable	Analysis	6020B		1	802387	RN	EET CHI	01/09/25 14:35
Total Recoverable	Prep	3005A			801918	BDE	EET CHI	01/07/25 08:07 - 01/07/25 14:07 [1]
Total Recoverable	Analysis	SM 2340B		1	802435	DAJ	EET CHI	01/10/25 09:53
Total/NA	Analysis	300.0		1	799925	MM	EET CHI	12/18/24 11:28
Total/NA	Analysis	300.0		1	799926	MM	EET CHI	12/18/24 11:28
Total/NA	Prep	Distill/CN			800591	AC	EET CHI	12/23/24 08:57 - 12/23/24 09:27 [1]
Total/NA	Analysis	335.4		1	800628	AC	EET CHI	12/23/24 11:45
Total/NA	Prep	Distill/Ammonia			801942	EB	EET CHI	01/07/25 11:37 - 01/07/25 12:37 [1]
Total/NA	Analysis	350.1		1	802069	EB	EET CHI	01/07/25 16:32
Total/NA	Prep	365.2/365.3/365			800754	ST	EET CHI	12/26/24 10:28 - 12/26/24 14:28 [1]
Total/NA	Analysis	365.1		1	801248	KF	EET CHI	12/31/24 09:44
Total/NA	Analysis	SM 2320B		1	800446	SO	EET CHI	12/20/24 15:54
Total/NA	Analysis	SM 2520B		1	801731	TR	EET CHI	01/06/25 08:16
Total/NA	Analysis	SM 2540C		1	800037	CLB	EET CHI	12/19/24 00:38
Total/NA	Analysis	SM 2540D		1	800369	SO	EET CHI	12/20/24 13:05 - 12/20/24 13:07 [1]
Total/NA	Analysis	SM 4500 S2 F		1	800504	CLB	EET CHI	12/22/24 20:38 - 12/22/24 20:58 [1]
Dissolved	Analysis	SM 5310C		1	800995	TR	EET CHI	12/29/24 09:55
Total/NA	Analysis	SM 5310C		1	801887	TR	EET CHI	01/06/25 19:51

Client Sample ID: MLR-02_20241216_FBLL

Lab Sample ID: 500-261748-2

Date Collected: 12/16/24 14:00

Matrix: Water

Date Received: 12/18/24 09:41

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	1631E		1	4286	AJD	EET SSM	01/03/25 17:56

Lab Chronicle

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261748-1

Client Sample ID: DKC-03_20241216

Lab Sample ID: 500-261748-3

Date Collected: 12/16/24 10:30

Matrix: Water

Date Received: 12/18/24 09:41

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	1630			4263	JS	EET SSM	01/03/25 11:31
Dissolved	Analysis	1630		1	4287	CL	EET SSM	01/03/25 21:52
Total/NA	Prep	1630			4237	JS	EET SSM	01/02/25 13:00
Total/NA	Analysis	1630		1	4287	CL	EET SSM	01/03/25 16:36
Dissolved	Analysis	1631E		1	4286	AJD	EET SSM	01/03/25 15:10
Total/NA	Analysis	1631E		1	4286	AJD	EET SSM	01/03/25 15:06
Dissolved	Prep	1638			4317	CL	EET SSM	01/07/25 12:01
Dissolved	Analysis	1638		1	4379	V1R	EET SSM	01/08/25 16:48
Total Recoverable	Prep	1638			4317	CL	EET SSM	01/07/25 12:01
Total Recoverable	Analysis	1638		1	4379	V1R	EET SSM	01/08/25 16:38
Dissolved	Prep	3005A			801918	BDE	EET CHI	01/07/25 08:07 - 01/07/25 14:07 [1]
Dissolved	Analysis	6020B		1	802387	RN	EET CHI	01/09/25 15:15
Total Recoverable	Prep	3005A			801918	BDE	EET CHI	01/07/25 08:07 - 01/07/25 14:07 [1]
Total Recoverable	Analysis	6020B		1	802387	RN	EET CHI	01/09/25 14:37
Total Recoverable	Prep	3005A			801918	BDE	EET CHI	01/07/25 08:07 - 01/07/25 14:07 [1]
Total Recoverable	Analysis	SM 2340B		1	802435	DAJ	EET CHI	01/10/25 09:53
Total/NA	Analysis	300.0		1	799925	MM	EET CHI	12/18/24 11:59
Total/NA	Analysis	300.0		1	799926	MM	EET CHI	12/18/24 11:59
Total/NA	Prep	Distill/CN			800591	AC	EET CHI	12/23/24 08:57 - 12/23/24 09:27 [1]
Total/NA	Analysis	335.4		1	800628	AC	EET CHI	12/23/24 11:47
Total/NA	Prep	Distill/Ammonia			801942	EB	EET CHI	01/07/25 11:37 - 01/07/25 12:37 [1]
Total/NA	Analysis	350.1		1	802069	EB	EET CHI	01/07/25 16:33
Total/NA	Prep	365.2/365.3/365			800754	ST	EET CHI	12/26/24 10:28 - 12/26/24 14:28 [1]
Total/NA	Analysis	365.1		1	801248	KF	EET CHI	12/31/24 09:49
Total/NA	Analysis	SM 2320B		1	800446	SO	EET CHI	12/20/24 16:02
Total/NA	Analysis	SM 2520B		1	801731	TR	EET CHI	01/06/25 08:16
Total/NA	Analysis	SM 2540C		1	800037	CLB	EET CHI	12/19/24 00:41
Total/NA	Analysis	SM 2540D		1	800369	SO	EET CHI	12/20/24 13:07 - 12/20/24 13:09 [1]
Total/NA	Analysis	SM 4500 S2 F		1	800258	CLB	EET CHI	12/20/24 05:56 - 12/20/24 06:00 [1]
Dissolved	Analysis	SM 5310C		1	800995	TR	EET CHI	12/29/24 09:55
Total/NA	Analysis	SM 5310C		1	801887	TR	EET CHI	01/06/25 21:43

Client Sample ID: DKC-03_20241216_FBLL

Lab Sample ID: 500-261748-4

Date Collected: 12/16/24 10:30

Matrix: Water

Date Received: 12/18/24 09:41

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	1631E		1	4286	AJD	EET SSM	01/03/25 15:19

Lab Chronicle

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261748-1

Client Sample ID: LKS-01_20241216

Lab Sample ID: 500-261748-5

Date Collected: 12/16/24 11:30

Matrix: Water

Date Received: 12/18/24 09:41

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	1630			4237	JS	EET SSM	01/02/25 13:00
Dissolved	Analysis	1630		1	4287	CL	EET SSM	01/03/25 20:20
Total/NA	Prep	1630			4237	JS	EET SSM	01/02/25 13:00
Total/NA	Analysis	1630		1	4287	CL	EET SSM	01/03/25 20:10
Dissolved	Analysis	1631E		1	4286	AJD	EET SSM	01/03/25 18:05
Total/NA	Analysis	1631E		1	4286	AJD	EET SSM	01/03/25 18:01
Dissolved	Prep	1638			4317	CL	EET SSM	01/07/25 12:01
Dissolved	Analysis	1638		1	4379	V1R	EET SSM	01/08/25 17:47
Total Recoverable	Prep	1638			4317	CL	EET SSM	01/07/25 12:01
Total Recoverable	Analysis	1638		1	4379	V1R	EET SSM	01/08/25 17:37
Dissolved	Prep	3005A			801918	BDE	EET CHI	01/07/25 08:07 - 01/07/25 14:07 [1]
Dissolved	Analysis	6020B		1	802387	RN	EET CHI	01/09/25 15:32
Total Recoverable	Prep	3005A			801918	BDE	EET CHI	01/07/25 08:07 - 01/07/25 14:07 [1]
Total Recoverable	Analysis	6020B		1	802387	RN	EET CHI	01/09/25 14:55
Total Recoverable	Prep	3005A			801918	BDE	EET CHI	01/07/25 08:07 - 01/07/25 14:07 [1]
Total Recoverable	Analysis	SM 2340B		1	802435	DAJ	EET CHI	01/10/25 09:53
Total/NA	Analysis	300.0		1	799925	MM	EET CHI	12/18/24 12:46
Total/NA	Analysis	300.0		1	799926	MM	EET CHI	12/18/24 12:46
Total/NA	Prep	Distill/CN			800591	AC	EET CHI	12/23/24 08:57 - 12/23/24 09:27 [1]
Total/NA	Analysis	335.4		1	800628	AC	EET CHI	12/23/24 11:56
Total/NA	Prep	Distill/Ammonia			801942	EB	EET CHI	01/07/25 11:37 - 01/07/25 12:37 [1]
Total/NA	Analysis	350.1		1	802069	EB	EET CHI	01/07/25 16:34
Total/NA	Prep	365.2/365.3/365			800754	ST	EET CHI	12/26/24 10:28 - 12/26/24 14:28 [1]
Total/NA	Analysis	365.1		1	801248	KF	EET CHI	12/31/24 09:48
Total/NA	Analysis	SM 2320B		1	800446	SO	EET CHI	12/20/24 16:12
Total/NA	Analysis	SM 2520B		1	801731	TR	EET CHI	01/06/25 08:16
Total/NA	Analysis	SM 2540C		1	800037	CLB	EET CHI	12/19/24 00:49
Total/NA	Analysis	SM 2540D		1	800369	SO	EET CHI	12/20/24 13:14 - 12/20/24 13:16 [1]
Total/NA	Analysis	SM 4500 S2 F		1	800286	CLB	EET CHI	12/20/24 07:00 - 12/20/24 07:20 [1]
Dissolved	Analysis	SM 5310C		1	800995	TR	EET CHI	12/29/24 09:55
Total/NA	Analysis	SM 5310C		1	801887	TR	EET CHI	01/06/25 20:19

Client Sample ID: LKS-01_20241216_FBLL

Lab Sample ID: 500-261748-6

Date Collected: 12/16/24 11:30

Matrix: Water

Date Received: 12/18/24 09:41

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	1631E		1	4286	AJD	EET SSM	01/03/25 18:09

Lab Chronicle

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261748-1

Client Sample ID: MLR-01_20241216

Lab Sample ID: 500-261748-7

Date Collected: 12/16/24 09:10

Matrix: Water

Date Received: 12/18/24 09:41

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	1630			4263	JS	EET SSM	01/03/25 11:31
Dissolved	Analysis	1630		1	4287	CL	EET SSM	01/03/25 23:14
Total/NA	Prep	1630			4237	JS	EET SSM	01/02/25 13:00
Total/NA	Analysis	1630		1	4287	CL	EET SSM	01/03/25 20:31
Dissolved	Analysis	1631E		1	4286	AJD	EET SSM	01/03/25 18:25
Total/NA	Analysis	1631E		1	4286	AJD	EET SSM	01/03/25 18:13
Dissolved	Prep	1638			4317	CL	EET SSM	01/07/25 12:01
Dissolved	Analysis	1638		1	4379	V1R	EET SSM	01/08/25 17:54
Total Recoverable	Prep	1638			4317	CL	EET SSM	01/07/25 12:01
Total Recoverable	Analysis	1638		1	4379	V1R	EET SSM	01/08/25 17:51
Dissolved	Prep	3005A			801918	BDE	EET CHI	01/07/25 08:07 - 01/07/25 14:07 [1]
Dissolved	Analysis	6020B		1	802387	RN	EET CHI	01/09/25 15:35
Total Recoverable	Prep	3005A			801918	BDE	EET CHI	01/07/25 08:07 - 01/07/25 14:07 [1]
Total Recoverable	Analysis	6020B		1	802387	RN	EET CHI	01/09/25 14:57
Total Recoverable	Prep	3005A			801918	BDE	EET CHI	01/07/25 08:07 - 01/07/25 14:07 [1]
Total Recoverable	Analysis	SM 2340B		1	802435	DAJ	EET CHI	01/10/25 09:53
Total/NA	Analysis	300.0		1	799925	MM	EET CHI	12/18/24 13:02
Total/NA	Analysis	300.0		1	799926	MM	EET CHI	12/18/24 13:02
Total/NA	Prep	Distill/CN			800591	AC	EET CHI	12/23/24 08:57 - 12/23/24 09:27 [1]
Total/NA	Analysis	335.4		1	800628	AC	EET CHI	12/23/24 11:58
Total/NA	Prep	Distill/Ammonia			801942	EB	EET CHI	01/07/25 11:37 - 01/07/25 12:37 [1]
Total/NA	Analysis	350.1		1	802069	EB	EET CHI	01/07/25 16:35
Total/NA	Prep	365.2/365.3/365			800754	ST	EET CHI	12/26/24 10:28 - 12/26/24 14:28 [1]
Total/NA	Analysis	365.1		1	801248	KF	EET CHI	12/31/24 09:48
Total/NA	Analysis	SM 2320B		1	800446	SO	EET CHI	12/20/24 16:21
Total/NA	Analysis	SM 2520B		1	801731	TR	EET CHI	01/06/25 08:16
Total/NA	Analysis	SM 2540C		1	800037	CLB	EET CHI	12/19/24 00:54
Total/NA	Analysis	SM 2540D		1	800369	SO	EET CHI	12/20/24 13:16 - 12/20/24 13:19 [1]
Total/NA	Analysis	SM 4500 S2 F		1	800286	CLB	EET CHI	12/20/24 07:20 - 12/20/24 07:40 [1]
Dissolved	Analysis	SM 5310C		1	800995	TR	EET CHI	12/29/24 09:55
Total/NA	Analysis	SM 5310C		1	801887	TR	EET CHI	01/06/25 23:08

Client Sample ID: MLR-01_20241216_FBLL

Lab Sample ID: 500-261748-8

Date Collected: 12/16/24 09:10

Matrix: Water

Date Received: 12/18/24 09:41

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	1631E		1	4286	AJD	EET SSM	01/03/25 18:30

Lab Chronicle

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261748-1

Client Sample ID: LKS-02_20241216

Lab Sample ID: 500-261748-9

Date Collected: 12/16/24 14:00

Matrix: Water

Date Received: 12/18/24 09:41

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	1630			4263	JS	EET SSM	01/03/25 11:31
Dissolved	Analysis	1630		1	4287	CL	EET SSM	01/03/25 23:34
Total/NA	Prep	1630			4263	JS	EET SSM	01/03/25 11:31
Total/NA	Analysis	1630		1	4287	CL	EET SSM	01/03/25 23:24
Dissolved	Analysis	1631E		1	4286	AJD	EET SSM	01/03/25 18:38
Total/NA	Analysis	1631E		1	4286	AJD	EET SSM	01/03/25 18:34
Dissolved	Prep	1638			4317	CL	EET SSM	01/07/25 12:01
Dissolved	Analysis	1638		1	4379	V1R	EET SSM	01/08/25 18:01
Total Recoverable	Prep	1638			4317	CL	EET SSM	01/07/25 12:01
Total Recoverable	Analysis	1638		1	4379	V1R	EET SSM	01/08/25 17:58
Dissolved	Prep	3005A			801918	BDE	EET CHI	01/07/25 08:07 - 01/07/25 14:07 [1]
Dissolved	Analysis	6020B		1	802387	RN	EET CHI	01/09/25 15:37
Total Recoverable	Prep	3005A			801918	BDE	EET CHI	01/07/25 08:07 - 01/07/25 14:07 [1]
Total Recoverable	Analysis	6020B		1	802387	RN	EET CHI	01/09/25 15:00
Total Recoverable	Prep	3005A			801918	BDE	EET CHI	01/07/25 08:07 - 01/07/25 14:07 [1]
Total Recoverable	Analysis	SM 2340B		1	802435	DAJ	EET CHI	01/10/25 09:53
Total/NA	Analysis	300.0		1	799925	MM	EET CHI	12/18/24 11:44
Total/NA	Analysis	300.0		1	799926	MM	EET CHI	12/18/24 11:44
Total/NA	Prep	Distill/CN			800591	AC	EET CHI	12/23/24 08:57 - 12/23/24 09:27 [1]
Total/NA	Analysis	335.4		1	800628	AC	EET CHI	12/23/24 11:59
Total/NA	Prep	Distill/Ammonia			801942	EB	EET CHI	01/07/25 11:37 - 01/07/25 12:37 [1]
Total/NA	Analysis	350.1		1	802069	EB	EET CHI	01/07/25 16:35
Total/NA	Prep	365.2/365.3/365			800754	ST	EET CHI	12/26/24 10:28 - 12/26/24 14:28 [1]
Total/NA	Analysis	365.1		1	801248	KF	EET CHI	12/31/24 09:53
Total/NA	Analysis	SM 2320B		1	800446	SO	EET CHI	12/20/24 16:28
Total/NA	Analysis	SM 2520B		1	801731	TR	EET CHI	01/06/25 08:16
Total/NA	Analysis	SM 2540C		1	800037	CLB	EET CHI	12/19/24 00:57
Total/NA	Analysis	SM 2540D		1	800369	SO	EET CHI	12/20/24 13:23 - 12/20/24 13:26 [1]
Total/NA	Analysis	SM 4500 S2 F		1	800286	CLB	EET CHI	12/20/24 07:40 - 12/20/24 08:00 [1]
Dissolved	Analysis	SM 5310C		1	800995	TR	EET CHI	12/29/24 09:55
Total/NA	Analysis	SM 5310C		1	801887	TR	EET CHI	01/06/25 23:36

Client Sample ID: LKS-02_20241216_FBLL

Lab Sample ID: 500-261748-10

Date Collected: 12/16/24 14:00

Matrix: Water

Date Received: 12/18/24 09:41

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	1631E		1	4286	AJD	EET SSM	01/03/25 18:42

[1] This procedure uses a method stipulated length of time for the process. Both start and end times are displayed.

Laboratory References:

EET CHI = Eurofins Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

EET SSM = Eurofins Seattle Specialty Metals, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

Accreditation/Certification Summary

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261748-1

Laboratory: Eurofins Chicago

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Georgia	State	N/A	05-31-25
Georgia (DW)	State	939	05-31-25
Hawaii	State	NA	05-31-25
Illinois	NELAP	100201	05-31-25
Indiana	State	C-IL-02	05-31-25
Iowa	State	082	05-01-26
Kansas	NELAP	E-10161	10-31-25
Kentucky (UST)	State	AI # 108083	05-31-25
Kentucky (WW)	State	KY90023	12-31-24 *
Louisiana (All)	NELAP	02046	06-30-25
Mississippi	State	NA	05-31-25
North Carolina (WW/SW)	State	291	12-31-25
North Dakota	State	R-194	04-29-24 *
Oklahoma	State	8908	08-31-24 *
South Carolina	State	77001003	05-31-25
USDA	US Federal Programs	P330-18-00018	03-30-26
Wisconsin	State	999580010	08-31-25
Wyoming	State	8TMS-Q	05-31-25

Laboratory: Eurofins Seattle Specialty Metals

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	20-004	02-19-25
ANAB	Dept. of Defense ELAP	L2236	01-19-25
ANAB	ISO/IEC 17025	L2236	01-19-25
California	State	2954	07-07-25
Florida	NELAP	E87575	06-30-25
Louisiana (All)	NELAP	03073	06-30-25
Maine	State	WA01273	05-02-26
New Jersey	NELAP	WA014	06-30-25
New York	NELAP	11662	04-01-25
Oregon	NELAP	4167-008	07-07-25
US Fish & Wildlife	US Federal Programs	A20571	06-30-25
USDA	US Federal Programs	525-23-4-22573	01-04-26
Washington	State	C788-23a	07-13-25
Wisconsin	State	399133460	07-31-25

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

cooler 2 of 2

Eurofins Chicago
2417 Bond Street
University Park, IL 60484
Phone (708) 534-5200 Phone (708) 534-5211

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: EllenCoppernoll	Lab PM: Fredrick, Sandie	Carrier Tracking No(s): 4221 9522 2627	COC No: 500-130281-50241 21
Client Contact: Amanda Zeidler	Phone: 517 513-2249	E-Mail: Sandra Fredrick@et eurofinsus com	State of Origin: Michigan	Page: Page 1 of 1
Company: White Pine Copper LLC	PWSID:			Job #: 500-261748
Address: 35362 Mall Circle Drive	Due Date Requested:			
City: White Pine	TAT Requested (days): 10 days			
State, Zip: MI, 49971	Compliance Project: Δ Yes Δ No			
Phone: 906-204-6500	PO #: Purchase Order not required			
Email: AZeidler@whitepinecu com	WO #:			
Project Name: White Pines, MI	Project #: 50023455			
Site: White Pine North Baseline Sampling	SSOW#:			

Analysis Requested

Preservation Codes:
S H2SO4
N None
CB ZnAcetate/NaOH
B NaOH
D HNO3
A HCL
500-261748 COC
Other

	Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	350.1 Ammonia, 365.1 Phos	2320B, 2540C, 2540D, 300.0_28D, 300_48HR, SM2520_B	SM4500_S2_F - Sulfide, Total	335.4 - Cyanide, Total	SM5310_DOC_C - Organic Carbon, Dissolved (DOC) - tripli	6020B, SM2340B Total Metals / Hardness	1638 - Uranium only (ICP/MS)	1631E - Mercury, Low Level (CVAFS)	1630_ME - Methyl Mercury	6020B - Dissolved Metals (ICP/MS) - 27 elements	1638 - Dissolved Uranium only (ICP/MS) (field f	1631E - Dissolved Mercury, Low Level (CVAFS) (fi	1630_ME - Dissolved Methyl Mercury (field filtered)	5310C - TOC	Total Number of containers	Special Instructions/Note:
					Preservation Code:			S	N	CB	B	S	D	D	N	A	D	D	N	A	S		
1	MLR-02_20241216	12-16-24	1400		Water			X	X	X	X	X	X	X	X	X	X	X	X	X	X	22	
2	MLR-02_20241216-FBLL	12-16-24	1400		Water										X							2	
3	DUP-03_20241216	12-16-24	1030		Water		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	66	
4	DUP-03_20241216-FBLL	12-16-24	1030		Water		X								X							6	
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, ☒ II, III, IV, Other (specify)

Special Instructions/QC Requirements: MDLs must meet Michigan requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment: Fedex Priority Overnight

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1	Ellen	12-17-24 1400	MSG	4221 9522 2627	12-17-24 1400	Fedex
2				Stephanie Hemond	12/18/24 1005	EEA
3						

Custody Seals Intact: Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks: 4.1+4.0, 5.8+5.7, 4.0+3.9, 5.1+5.5

cooler 1 of 2

Eurofins Chicago
2417 Bond Street
University Park, IL 60484
Phone (708) 534-5200 Phone (708) 534-5211

Chain of Custody Record

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Client Information	Sampler: Ellen Coppernoll	Lab PM: Fredrick, Sandie	Carrier Tracking No(s): 9221 9522 2605	COC No: 500-130281-50241 40
Client Contact: Amanda Zeidler	Phone: (517) 513 2249	E-Mail: Sandra Fredrick@et.eurofinsus com	State of Origin: Michigan	Page: Page 1 of 1
Company: White Pine Copper LLC	PWSID:			Job #: 500-261748
Address: 35362 Mall Circle Drive	Due Date Requested:			
City: White Pine	TAT Requested (days): 10 days			
State, Zip: MI, 49971	Compliance Project: Δ Yes Δ No			
Phone: 906-204-6500	PO #: Purchase Order not required			
Email: AZeidler@whitepinecu com	WO #:			
Project Name: White Pines, MI	Project #: 50023455			
Site: White Pine North Baseline Sampling	SSOW#:			

Analysis Requested

Preservation Codes
S H2SO4
N None
CB ZnAcetate/NaOH
B NaOH
D HNO3
A - HCL
Other:

	Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	350.1 Ammonia, 365.1 Phos	2320B, 2540C, 2540D, 300.0_28D, 300_48HR, SM2520_B	SM4500_S2_F - Sulfide, Total	335.4 - Cyanide, Total	SM5310_DOC_C - Organic Carbon, Dissolved (DOC) - tripli	6020B, SM2340B Total Metals / Hardness	1638 - Uranium only (ICP/MS)	1631E - Mercury, Low Level (CVAFS)	1630_ME - Methyl Mercury	6020B - Dissolved Metals (ICP/MS) - 27 elements	1638 - Dissolved Uranium only (ICP/MS) (field f	1631E - Dissolved Mercury, Low Level (CVAFS) (fi	1630_ME - Dissolved Methyl Mercury (field filtered)	5310C - TOC	Total Number of containers	Special Instructions/Note:
				Preservation Code:				S	N	CB	B	S	D	D	N	A	D	D	N	A	S		
	MLR-02 20241216	12-16-24	1400		Water			X	X	X	X	X	X	X	X	X	X	X	X	X	X	22	
	MLR-02_20241216-FBLL	12-16-24	1400		Water										X							2	
3	DKC-03_20241216	12-16-24	1030		Water		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	16	
4	DKC-03_20241216_FBLL	12-16-24	1030		Water		X								X							6	
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested I, II, III, IV, Other (specify)

Special Instructions/QC Requirements MDLs must meet Michigan requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment: FedEx Priority Overnight

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
	Elliott	12-17-24 1400	MSG	9221 9522 2605	12-17-24 1400	FedEx
	Relinquished by:	Date/Time	Company	Received by: Stephanie Hemandez	12/18/24 1005	EEA
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact	Custody Seal No	Cooler Temperature(s) °C and Other Remarks
Δ Yes Δ No		

1/10/2025

Ver 05/06/2024

Eurofins Chicago
2417 Bond Street
University Park, IL 60484
Phone (708) 534-5200 Phone (708) 534-5211

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Ellen Coppernoll	Lab PM: Fredrick, Sandie	Carrier Tracking No(s): 4221 9522 2616	COC No: 500-130281-50241 32
Client Contact: Amanda Zeidler	Phone: 517-513-2249	E-Mail: Sandra Fredrick@et.eurofinsus com	State of Origin: Michigan	Page: Page 1 of 1
Company: White Pine Copper LLC	PWSID:			Job #: 500-261748
Address: 35362 Mall Circle Drive	Due Date Requested:			
City: White Pine	TAT Requested (days): 10 days			
State, Zip: MI, 49971	Compliance Project: Δ Yes Δ No			
Phone: 906-204-6500	PO #: Purchase Order not required			
Email: AZeidler@whitepinecu com	WO #:			
Project Name: White Pines, MI	Project #: 50023455			
Site: White Pine North Baseline Sampling	SSOW#:			

Analysis Requested

Preservation Codes: S H2SO4; N None; CB ZnAcetate/NaOH; B NaOH; D HNO3; A HCL; Other:

	Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	350.1 Ammonia, 365.1 Phos	2320B, 2540C, 2540D, 300.0_28D, 300_48HR, SM2520_B	SM4500_S2_F - Sulfide, Total	335.4 - Cyanide, Total	SM5310_DOC_C - Organic Carbon, Dissolved (DOC) - tripli	6020B, SM2340B Total Metals / Hardness	1638 - Uranium only (ICP/MS)	1631E - Mercury, Low Level (CVAFS)	1630_ME - Methyl Mercury	6020B - Dissolved Metals (ICP/MS) - 27 elements	1638 - Dissolved Uranium only (ICP/MS) (field f	1631E - Dissolved Mercury, Low Level (CVAFS) (fi	1630_ME - Dissolved Methyl Mercury (field filtered)	5310C - TOC	Total Number of containers	Special Instructions/Note:
				Preservation Code:				S	N	CB	B	S	D	D	N	A	D	D	N	A	S		
5	LKS-01_20241216	12-16-24	1130	G	Water			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	22	
6	LKS-01_20241216_FBLL	12-16-24	1130	G	Water										✓							2	
7	MLR-01_20241216	12-16 24	0910	G	Water			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	22	
8	MLR-01_20241216_FBLL	12-16-24	0910	G	Water										✓							2	
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, [II], III, IV, Other (specify)

Special Instructions/QC Requirements: MDLs must meet Michigan requirements

Empty Kit Relinquished by:	Date	Time	Method of Shipment:

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1	Ellen	12-17-24 / 1400	MSG	4221 9522 2616	12-17-24 / 1400	Fedex
2				Stephanie Hernandez	12/18/24 1005	ETA
3						

Custody Seals Intact: Δ Yes Δ No | Custody Seal No | Cooler Temperature(s) °C and Other Remarks.

Eurofins Chicago
2417 Bond Street
University Park, IL 60484
Phone (708) 534-5200 Phone (708) 534-5211

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Jacob Dean	Lab PM: Fredrick, Sandie	Carrier Tracking No(s): 4221 9522 2638	COC No: 500-130281-50241 35
Client Contact: Amanda Zeidler	Phone: 906-487-7454	E-Mail: Sandra Fredrick@et eurofinsus com	State of Origin: Michigan	Page: Page 1 of 1
Company: White Pine Copper LLC	PWSID:			Job #: 500-261748
Address: 35362 Mall Circle Drive	Due Date Requested:			
City: White Pine	TAT Requested (days): 10 days			
State, Zip: MI, 49971	Compliance Project: Δ Yes Δ No			
Phone: 906-204-6500	PO #: Purchase Order not required			
Email: AZeidler@whitepinecu com	WO #:			
Project Name: White Pines, MI	Project #: 50023455			
Site: White Pine North Baseline Sampling	SSOW#:			

Analysis Requested

Preservation Codes:
S H2SO4
N None
CB ZnAcetate/NaOH
B NaOH
D HNO3
A - HCL
Other:

	Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	350.1 Ammonia, 365.1 Phos	2320B, 2540C, 2540D, 300.0_28D, 300_48HR, SM2520_B	SM4500_S2_F - Sulfide, Total	335.4 - Cyanide, Total	SM5310_DOC_C - Organic Carbon, Dissolved (DOC) - tripli	6020B, SM2340B Total Metals / Hardness	1638 - Uranium only (ICP/MS)	1631E - Mercury, Low Level (CVAFS)	1630_ME - Methyl Mercury	6020B - Dissolved Metals (ICP/MS) - 27 elements	1638 - Dissolved Uranium only (ICP/MS) (field f	1631E - Dissolved Mercury, Low Level (CVAFS) (fi	1630_ME - Dissolved Methyl Mercury (field filtered)	5310C - TOC	Total Number of containers	Special Instructions/Note:
	Preservation Code:							S	N	CB	B	S	D	D	N	A	D	D	N	A	S		
9	LKS-02-20241216	12.16.24	14:00	G	Water			X	X	X	X	X	X	X	X	X	X	X	X	X	X	33	
10	LKS-02-20241216-FBLL	12.16.24	14:00	G	Water										X							2	
					Water																		
					Water																		
					Water																		
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					Water																		
					Water																		
					Water																		
					Water																		
					Water																		

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested I, II, III, IV, Other (specify)

Special Instructions/QC Requirements MDLs must meet Michigan requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment:

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1	Jacob Dean	12-17-24 / 1400	MSG	4221 9522 2638	12-17 24 / 1400	Fedex
2		Date/Time	Company	Stephanie Hemandez	12/18/24 1005	EETA
3		Date/Time	Company	Received by:	Date/Time	Company

Custody Seals Intact. Δ Yes Δ No | Custody Seal No | Cooler Temperature(s) °C and Other Remarks





500-261748 Waybi

JED CHRESTENSEN
THE MANNIK & SMITH GROUP
616 SHELDEN AVE
SUITE 210
HOUGHTON, MI 49931
UNITED STATES US

ACTWGT: 25.00 LB MAN
CAD: 0 80307/CAFE3855

TO SAMPLE RECEIPT
EUROFINS CHICAGO
2417 BOND ST.

UNIVERSITY PARK IL 60484
708) 534-6200 REF:
INV: DEPT

RMA

FedEx Express

TRK# 0221 4221 9522 2627

RETURNS MON-SAT
PRIORITY OVERNIGHT

60484

FedEx
TRK# 0221 4221 9522 2627

SATURDAY AA
PRIORITY OVERNIGHT

X0 JOTA

60484
IL-US
ORD

THE MANNIK & SMITH GROUP
616 SHELDEN AVE
SUITE 210
HOUGHTON, MI 49931
UNITED STATES US

ACTWGT: 25.00 LB MAN
CAD: 0780307/CAFE3855

TO SAMPLE RECEIPT
EUROFINS CHICAGO
2417 BOND ST.

UNIVERSITY PARK IL 60484
(708) 534-6200 REF
INV:
PO: DEPT:

RMA

FedEx Express

FedEx
TRK# 0221 4221 9522 2638

WED - 18 DEC AA
PRIORITY OVERNIGHT

XP JOTA

60484
IL-US
ORD

5025547 17Dec2024 CNXA 581G5/49B9/5FE5

Eurofins Chicago
2417 Bond Street
University Park, IL 60484
Phone: 708-534-5200 Fax: 708-534-5211

Chain of Custody Record

eurofins | Environment Testing

1/10/2025

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Fredrick, Sandie	Carrier Tracking No(s): N/A	COC No: 500-196440.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Sandra.Fredrick@et.eurofinsus.com	State of Origin: Michigan	Page: Page 1 of 2
Company: Eurofins Environment Testing Northwest,		Accreditations Required (See note): N/A		Job #: 500-261748-1
Address: 5755 8th Street East, ,	Due Date Requested: 1/12/2025			
City: Tacoma	TAT Requested (days): N/A			
State, Zip: WA, 98424				
Phone: 253-922-2310(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: White Pines, MI	Project #: 50023455			
Site: N/A	SSOW#: N/A			

Analysis Requested

Therm. ID: SC03 Cust. Seal: Y / N
Uncorr./Corr. Temp: 14.2/14.1 °C
Delivery: UPS / FedEx / Other: 3
Ice Type: Blue / Dry / Wet / None
Label Ver.: 12 Packing: B

Therm. ID: SC04 Cust. Seal: Y / N
Uncorr./Corr. Temp: 1.0/0.7 °C
Delivery: UPS / FedEx / Other: 3
Ice Type: Blue / Dry / Wet / None
Label Ver.: 12 Packing: D

5 ~ Blue

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	1638/1638_Prep_W Uranium only (ICP/MS)	1631E/ Mercury, Low Level (CVAFS)	1630_ME/1630_Dist_PFP Methyl Mercury	1638/FIELD_FLTRD Dissolved Uranium only (ICP/MS)	1631E/FIELD_FLTRD Dissolved Mercury, Low Level (CVAFS) (fi	1630_ME/FIELD_FLTRD Dissolved Methyl Mercury (field filtered	Total N	Special Instructions/Note:
			Preservation Code:											
MLR-02_20241216 (500-261748-1)	12/16/24	14:00 Eastern	G	Water			X	X	X	X	X	X	8	
MLR-02_20241216_FBLL (500-261748-2)	12/16/24	14:00 Eastern	G	Water				X					2	
DKC-03_20241216 (500-261748-3)	12/16/24	10:30 Eastern	G	Water			X	X	X	X	X	X	8	
DKC-03_20241216 (500-261748-3MS)	12/16/24	10:30 Eastern	G	Water			X	X	X	X	X	X	8	
DKC-03_20241216 (500-261748-3MSD)	12/16/24	10:30 Eastern	G	Water			X	X	X	X	X	X	8	
DKC-03_20241216_FBLL (500-261748-4)	12/16/24	10:30 Eastern	G	Water				X					2	
DKC-03_20241216_FBLL (500-261748-4MS)	12/16/24	10:30 Eastern	G	Water				X					2	
DKC-03_20241216_FBLL (500-261748-4MSD)	12/16/24	10:30 Eastern	G	Water				X					2	
LKS-01_20241216 (500-261748-5)	12/16/24	11:30 Eastern	G	Water			X	X	X	X	X	X	8	

Note: Since laboratory accreditations are subject to change, Eurofins Chicago places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Chicago laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Chicago attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Chicago.

Possible Hazard Identification: Unconfirmed 7051 7621 8418	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month): ☐ Return To Client ☐ Disposal By Lab ☐ Archive For ____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	Stephanie Hernandez	12/18/24 1600			12/19/24 11:16	ESSIN
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 10/10/2024

Eurofins Chicago
2417 Bond Street
University Park, IL 60484
Phone: 708-534-5200 Fax: 708-534-5211

Chain of Custody Record

eurofins | Environment Testing

1/10/2025

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Fredrick, Sandie	Carrier Tracking No(s): N/A	COC No: 500-196440.2
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Sandra.Fredrick@et.eurofinsus.com	State of Origin: Michigan	Page: Page 2 of 2
Company: Eurofins Environment Testing Northwest,		Accreditations Required (See note): N/A		Job #: 500-261748-1
Address: 5755 8th Street East, ,	Due Date Requested: 1/12/2025			Preservation Codes: -
City: Tacoma	TAT Requested (days): N/A			
State, Zip: WA, 98424				
Phone: 253-922-2310(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: White Pines, MI	Project #: 50023455			
Site: N/A	SSOW#: N/A			Other: N/A

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	1638/1638_Prep_W Uranium only (ICP/MS)	1631E/ Mercury, Low Level (CVAFS)	1630_ME/1630_Dist_PFP Methyl Mercury	1638/FIELD_FLTRD Dissolved Uranium only (ICP/MS) (field f	1631E/FIELD_FLTRD Dissolved Mercury, Low Level (CVAFS) (fi	1630_ME/FIELD_FLTRD Dissolved Methyl Mercury (field filtered	Total Number of containers	Special Instructions/Note:
			Preservation Code:											
LKS-01_20241216_FBLL (500-261748-6)	12/16/24	11:30 Eastern	G	Water				X					2	
MLR-01_20241216 (500-261748-7)	12/16/24	09:10 Eastern	G	Water			X	X	X	X	X	X	8	
MLR-01_20241216_FBLL (500-261748-8)	12/16/24	09:10 Eastern	G	Water				X					2	
LKS-02_20241216 (500-261748-9)	12/16/24	14:00 Eastern	G	Water			X	X	X	X	X	X	8	
LKS-02_20241216_FBLL (500-261748-10)	12/16/24	14:00 Eastern	G	Water				X					2	

Note: Since laboratory accreditations are subject to change, Eurofins Chicago places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Chicago laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Chicago attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Chicago.

Possible Hazard Identification *Unconfirmed* 7051 7621 8418	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*** ☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:
Relinquished by: Stephanie Hernandez	Date/Time: 12/18/24 1600	Company	Received by:	Date/Time: 12/19/24 11:10	Company FEDEX
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 10/10/2024

Login Sample Receipt Checklist

Client: White Pine Copper LLC

Job Number: 500-261748-1

Login Number: 261748
List Number: 1
Creator: Hernandez, Stephanie

List Source: Eurofins Chicago

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	4.0,5.7,3.9,5.5
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	False	Refer to Job Narrative for details.
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: White Pine Copper LLC

Job Number: 500-261748-1

Login Number: 261748
List Number: 2
Creator: Miller, Darren R

List Source: Eurofins Seattle Specialty Metals
List Creation: 12/19/24 02:16 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

eurofins | Environment Testing

500-261748 Field Sheet

Date:	12/19/2024
End Time:	18:43
KI Paper Lot:	na
Analyst:	JS

Preservative ID	Preservative Type	Container ID
A	Bromine Monochloride (0.2N)	42321
ZZZZZZZZZZZZZZZ	ZZZZZZZZZZZZZZZZZZZZZZZZ	ZZZZZZZZZZ
ZZZZZZZZZZZZZZZ	ZZZZZZZZZZZZZZZZZZZZZZZZ	ZZZZZZZZZZ
ZZZZZZZZZZZZZZZ	ZZZZZZZZZZZZZZZZZZZZZZZZ	ZZZZZZZZZZ

Sample ID	Pres. Used (ID)	Oxidized (Y/N)?	Pres. Vol. (mL)/Percent (%)	Comments
500-261748-A-1	A	Y	2%	pipette: MD_HG84
500-261748-B-1	A	Y	2%	
500-261748-C-1	A	Y	2%	
500-261748-D-1	A	Y	2%	
500-261748-A-2	A	Y	2%	
500-261748-B-2	A	Y	2%	
500-261748-A-3	A	Y	2%	
500-261748-B-3	A	Y	2%	
500-261748-C-3	A	Y	2%	
500-261748-D-3	A	Y	2%	
500-261748-A-3 MS	A	Y	2%	
500-261748-B-3 MS	A	Y	2%	
500-261748-C-3 MS	A	Y	2%	
500-261748-D-3 MS	A	Y	2%	
500-261748-A-3 MSD	A	Y	2%	
500-261748-B-3 MSD	A	Y	2%	
500-261748-C-3 MSD	A	Y	2%	
500-261748-D-3 MSD	A	Y	2%	
500-261748-A-4	A	Y	2%	
500-261748-B-4	A	Y	2%	
500-261748-A-4 MS	A	Y	2%	
500-261748-B-4 MS	A	Y	2%	
500-261748-A-4 MSD	A	Y	2%	
500-261748-B-4 MSD	A	Y	2%	
500-261748-A-5	A	Y	2%	
500-261748-B-5	A	Y	2%	
500-261748-C-5	A	Y	2%	
500-261748-D-5	A	Y	2%	
500-261748-A-6	A	Y	2%	
500-261748-A-7	A	Y	2%	
500-261748-B-6	A	Y	2%	
500-261748-B-7	A	Y	2%	
500-261748-C-7	A	Y	2%	
500-261748-D-7	A	Y	2%	
500-261748-A-8	A	Y	2%	

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Date:	12/19/2024
End Time:	18:03
KI Paper Lot:	na
Analyst:	JS

Preservative ID	Preservative Type	Container ID
A	Bromine Monochloride (0.2N)	42321
ZZZZZZZZZZZZZZZ	ZZZZZZZZZZZZZZZZZZZZZZZ	ZZZZZZZZZZ
ZZZZZZZZZZZZZZZ	ZZZZZZZZZZZZZZZZZZZZZZZ	ZZZZZZZZZZ
ZZZZZZZZZZZZZZZ	ZZZZZZZZZZZZZZZZZZZZZZZ	ZZZZZZZZZZ

Sample ID	Pres. Used (ID)	Oxidized (Y/N)?	Pres. Vol. (mL)/Percent (%)	Comments
500-261748-D-7	A	Y	0.5mL 2%	pipette: MP_HG04
500-261748-A-8	A	Y	0.5mL 2%	
500-261748-B-8	A	Y	0.5mL 2%	
500-261748-A-9	A	Y	0.5mL 2%	
500-261748-B-9	A	Y	0.5mL 2%	
500-261748-C-9	A	Y	0.5mL 2%	
500-261748-D-9	A	Y	0.5mL 2%	
500-261748-A-10	A	Y	0.5mL 2%	
500-261748-B-10	A	Y	0.5mL 2%	

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500-261748 Field Sheet

Date:	12/19/2024
End Time:	1435
pH Paper Lot:	hc441704
Analyst:	VR

Preservative ID	Preservative Type	Container ID
A	Hydrochloric Acid	na
ZZZZZZZZZZZZZZZ	ZZZZZZZZZZZZZZZZZZZZZZZ	ZZZZZZZZZZ
ZZZZZZZZZZZZZZZ	ZZZZZZZZZZZZZZZZZZZZZZZ	ZZZZZZZZZZ
ZZZZZZZZZZZZZZZ	ZZZZZZZZZZZZZZZZZZZZZZZ	ZZZZZZZZZZ

Sample ID	Initial pH	Final pH	Preservative ID	Preservative Added (mL)	Comments
500-261748-F-9	<2				
500-261748-E-5	<2				
500-261748-F-3 MS	<2				
500-261748-F-5	<2				
500-261748-F-7	<2				
500-261748-F-3 MS	<2			VR	
500-261748-F-3 MSD	<2				
500-261748-E-3 MS	<2			12/19/24	
500-261748-E-3 MS	<2				
500-261748-E-9	<2				
500-261748-E-7	<2				
500-261748-F-1	<2				
500-261748-E-1	<2				
500-261748-E-3 MSD	<2				

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ANALYTICAL REPORT

PREPARED FOR

Attn: Amanda Zeidler
White Pine Copper LLC
35362 Mall Circle Drive
White Pine, Michigan 49971

Generated 1/10/2025 10:22:21 AM

JOB DESCRIPTION

White Pines, MI

JOB NUMBER

500-261845-1

Eurofins Chicago
2417 Bond Street
University Park IL 60484

See page two for job notes and contact information.

Job Notes

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. This report is confidential and is intended for the sole use of Eurofins Environment Testing North Central, LLC and its client. All questions regarding this report should be directed to the Eurofins Environment Testing North Central, LLC Project Manager who has signed this report.

Results relate only to the items tested and the sample(s) as received by the laboratory. The results, detection limits (LOD) and Quantitation Limits (LOQ) have been adjusted for sample dilutions and/or solids content.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Chicago Project Manager.

Compliance Statement

The LOD and LOQ reported are adjusted by the dilution factor when a dilution factor greater than 1 is needed. Additionally, where results are indicated as being reported on a dry weight basis, the LOD and LOQ are adjusted for moisture content as well.

Definitions of Limits
- LOD = Limit of Detection = MDL as defined by 40 CFR part 136 Appendix B
- LOQ = Limit of Quantitation = 3.33 x LOD as defined by Wisconsin
- RL = Report Limit = a concentration supported by a standard in the calibration curves

Authorization



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Authorized for release by
Sandie Fredrick, Senior Project Manager
Sandra.Fredrick@et.eurofinsus.com
(920)261-1660

Table of Contents

Cover Page 1
Table of Contents 3
Case Narrative 4
Detection Summary 5
Method Summary 11
Sample Summary 12
Client Sample Results 13
Definitions 30
QC Association 31
QC Sample Results 37
Chronicle 47
Certification Summary 52
Chain of Custody 53
Receipt Checklists 59
Field Data Sheets 61

Job ID: 500-261845-1 — Eurofins Chicago

Job Narrative
500-261845-1

Receipt
The samples were received on 12/19/2024 9:40 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were 1.4º C, 1.6º C and 2.1º C.

Metals
Method 1630: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for the following sample associated with preparation batch 350-4263 and analytical batch 350-4287 were outside control limits: (350-1367-A-8-C MSD) and (500-261748-F-3-D MSD). The associated laboratory control sample (LCS) recovery met acceptance criteria.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Field Service / Mobile Lab
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

General Chemistry
Method 300.0: The following sample was received outside of holding time: PNC-04_20241217 (500-261845-1).

Method SM 2320B: The method blank for analytical batch 500-800553 contained Alkalinity above the reporting limit (RL). Associated sample(s) were not re-analyzed because results were greater than 10X the value found in the method blank.

Method SM 2320B: The method blank for analytical batch 500-801026 contained Alkalinity above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261845-1

Client Sample ID: PNC-04_20241217

Lab Sample ID: 500-261845-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	1.6		0.50	0.20	ng/L	1		1631E	Total/NA
Mercury	1.4		0.50	0.20	ng/L	1		1631E	Dissolved
Uranium	0.24		0.050	0.0098	ug/L	1		1638	Total Recoverable
Uranium	0.23		0.050	0.0098	ug/L	1		1638	Dissolved
Aluminum	210		100	25	ug/L	1		6020B	Total Recoverable
Arsenic	0.32	J	1.0	0.23	ug/L	1		6020B	Total Recoverable
Barium	47		2.5	0.73	ug/L	1		6020B	Total Recoverable
Boron	20	J B	50	13	ug/L	1		6020B	Total Recoverable
Calcium	28000		200	44	ug/L	1		6020B	Total Recoverable
Copper	8.9		2.0	0.50	ug/L	1		6020B	Total Recoverable
Iron	520		100	47	ug/L	1		6020B	Total Recoverable
Magnesium	6800		200	49	ug/L	1		6020B	Total Recoverable
Manganese	19		2.5	0.79	ug/L	1		6020B	Total Recoverable
Potassium	1300		500	110	ug/L	1		6020B	Total Recoverable
Sodium	6000		200	77	ug/L	1		6020B	Total Recoverable
Strontium	140		4.0	0.64	ug/L	1		6020B	Total Recoverable
Arsenic	0.26	J	1.0	0.23	ug/L	1		6020B	Dissolved
Barium	46		2.5	0.73	ug/L	1		6020B	Dissolved
Boron	21	J B	50	13	ug/L	1		6020B	Dissolved
Calcium	29000		200	44	ug/L	1		6020B	Dissolved
Copper	7.9		2.0	0.50	ug/L	1		6020B	Dissolved
Iron	270		100	47	ug/L	1		6020B	Dissolved
Magnesium	6800		200	49	ug/L	1		6020B	Dissolved
Manganese	14		2.5	0.79	ug/L	1		6020B	Dissolved
Potassium	1300		500	110	ug/L	1		6020B	Dissolved
Sodium	6200		200	77	ug/L	1		6020B	Dissolved
Strontium	140		4.0	0.64	ug/L	1		6020B	Dissolved
Hardness as calcium carbonate	98		0.91	0.46	mg/L	1		SM 2340B	Total Recoverable
Chloride	23		1.0	0.42	mg/L	1		300.0	Total/NA
Sulfate	1.1		1.0	0.47	mg/L	1		300.0	Total/NA
Ammonia	0.26		0.20	0.10	mg/L	1		350.1	Total/NA
Alkalinity	87	B	5.0	3.7	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	87	B	5.0	3.7	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	130		10	4.3	mg/L	1		SM 2540C	Total/NA
Sulfide	1.6		1.0	0.23	mg/L	1		SM 4500 S2 F	Total/NA
Total Organic Carbon	9.0		1.0	0.47	mg/L	1		SM 5310C	Total/NA
Dissolved Organic Carbon	8.8		1.0	0.47	mg/L	1		SM 5310C	Dissolved

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261845-1

Client Sample ID: PNC-04_20241217_FBLL — Lab Sample ID: 500-261845-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	0.23	J	0.50	0.20	ng/L	1		1631E	Total/NA

Client Sample ID: CBR-02_20241217 — Lab Sample ID: 500-261845-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl Mercury	0.045	J	0.050	0.022	ng/L	1		1630	Total/NA
Methyl Mercury	0.026	J	0.050	0.022	ng/L	1		1630	Dissolved
Mercury	5.8		0.50	0.20	ng/L	1		1631E	Total/NA
Mercury	4.5		0.50	0.20	ng/L	1		1631E	Dissolved
Uranium	0.18		0.050	0.0098	ug/L	1		1638	Total Recoverable
Uranium	0.12		0.050	0.0098	ug/L	1		1638	Dissolved
Aluminum	1300		100	25	ug/L	1		6020B	Total Recoverable
Arsenic	0.37	J	1.0	0.23	ug/L	1		6020B	Total Recoverable
Barium	44		2.5	0.73	ug/L	1		6020B	Total Recoverable
Boron	37	J B	50	13	ug/L	1		6020B	Total Recoverable
Calcium	13000		200	44	ug/L	1		6020B	Total Recoverable
Chromium	1.8	J	5.0	1.1	ug/L	1		6020B	Total Recoverable
Cobalt	0.44	J	1.0	0.40	ug/L	1		6020B	Total Recoverable
Copper	5.2		2.0	0.50	ug/L	1		6020B	Total Recoverable
Iron	1300		100	47	ug/L	1		6020B	Total Recoverable
Lead	0.50		0.50	0.19	ug/L	1		6020B	Total Recoverable
Magnesium	3800		200	49	ug/L	1		6020B	Total Recoverable
Manganese	37		2.5	0.79	ug/L	1		6020B	Total Recoverable
Nickel	1.1	J	2.0	0.63	ug/L	1		6020B	Total Recoverable
Potassium	1100		500	110	ug/L	1		6020B	Total Recoverable
Sodium	3500		200	77	ug/L	1		6020B	Total Recoverable
Strontium	61		4.0	0.64	ug/L	1		6020B	Total Recoverable
Vanadium	2.5	J	5.0	2.2	ug/L	1		6020B	Total Recoverable
Aluminum	110		100	25	ug/L	1		6020B	Dissolved
Arsenic	0.24	J	1.0	0.23	ug/L	1		6020B	Dissolved
Barium	33		2.5	0.73	ug/L	1		6020B	Dissolved
Boron	35	J B	50	13	ug/L	1		6020B	Dissolved
Calcium	13000		200	44	ug/L	1		6020B	Dissolved
Copper	3.6		2.0	0.50	ug/L	1		6020B	Dissolved
Iron	290		100	47	ug/L	1		6020B	Dissolved
Magnesium	3500		200	49	ug/L	1		6020B	Dissolved
Manganese	25		2.5	0.79	ug/L	1		6020B	Dissolved
Potassium	890		500	110	ug/L	1		6020B	Dissolved

This Detection Summary does not include radiochemical test results.

Client Sample ID: CBR-02_20241217 (Continued) — Lab Sample ID: 500-261845-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sodium	3400		200	77	ug/L	1		6020B	Dissolved
Strontium	60		4.0	0.64	ug/L	1		6020B	Dissolved
Hardness as calcium carbonate	49		0.91	0.46	mg/L	1		SM 2340B	Total Recoverable
Chloride	5.3		1.0	0.42	mg/L	1		300.0	Total/NA
Sulfate	2.7		1.0	0.47	mg/L	1		300.0	Total/NA
Alkalinity	45	B	5.0	3.7	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	45	B	5.0	3.7	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	88		10	4.3	mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	17		5.0	1.9	mg/L	1		SM 2540D	Total/NA
Sulfide	1.7		1.0	0.23	mg/L	1		SM 4500 S2 F	Total/NA
Total Organic Carbon	11		1.0	0.47	mg/L	1		SM 5310C	Total/NA
Dissolved Organic Carbon	10		1.0	0.47	mg/L	1		SM 5310C	Dissolved

Client Sample ID: CBR-02_20241217_FBLL — Lab Sample ID: 500-261845-4

No Detections.

Client Sample ID: DKC-02_20241217 — Lab Sample ID: 500-261845-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	4.8		0.50	0.20	ng/L	1		1631E	Total/NA
Mercury	3.9		0.50	0.20	ng/L	1		1631E	Dissolved
Uranium	0.21		0.050	0.0098	ug/L	1		1638	Total Recoverable
Uranium	0.16		0.050	0.0098	ug/L	1		1638	Dissolved
Aluminum	650		100	25	ug/L	1		6020B	Total Recoverable
Arsenic	0.32	J	1.0	0.23	ug/L	1		6020B	Total Recoverable
Barium	27		2.5	0.73	ug/L	1		6020B	Total Recoverable
Boron	17	J B	50	13	ug/L	1		6020B	Total Recoverable
Calcium	11000		200	44	ug/L	1		6020B	Total Recoverable
Chromium	1.1	J	5.0	1.1	ug/L	1		6020B	Total Recoverable
Copper	8.9		2.0	0.50	ug/L	1		6020B	Total Recoverable
Iron	940		100	47	ug/L	1		6020B	Total Recoverable
Lead	0.32	J	0.50	0.19	ug/L	1		6020B	Total Recoverable
Magnesium	3300		200	49	ug/L	1		6020B	Total Recoverable
Manganese	12		2.5	0.79	ug/L	1		6020B	Total Recoverable
Potassium	990		500	110	ug/L	1		6020B	Total Recoverable
Sodium	1900		200	77	ug/L	1		6020B	Total Recoverable
Strontium	40		4.0	0.64	ug/L	1		6020B	Total Recoverable
Aluminum	290		100	25	ug/L	1		6020B	Dissolved
Arsenic	0.27	J	1.0	0.23	ug/L	1		6020B	Dissolved

This Detection Summary does not include radiochemical test results.

Client Sample ID: DKC-02_20241217 (Continued) — Lab Sample ID: 500-261845-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	25		2.5	0.73	ug/L	1		6020B	Dissolved
Boron	19	J B	50	13	ug/L	1		6020B	Dissolved
Calcium	11000		200	44	ug/L	1		6020B	Dissolved
Copper	7.7		2.0	0.50	ug/L	1		6020B	Dissolved
Iron	570		100	47	ug/L	1		6020B	Dissolved
Magnesium	3200		200	49	ug/L	1		6020B	Dissolved
Manganese	8.0		2.5	0.79	ug/L	1		6020B	Dissolved
Potassium	960		500	110	ug/L	1		6020B	Dissolved
Sodium	1900		200	77	ug/L	1		6020B	Dissolved
Strontium	41		4.0	0.64	ug/L	1		6020B	Dissolved
Hardness as calcium carbonate	41		0.91	0.46	mg/L	1		SM 2340B	Total Recoverable
Chloride	1.3		1.0	0.42	mg/L	1		300.0	Total/NA
Sulfate	1.7		1.0	0.47	mg/L	1		300.0	Total/NA
Alkalinity	47	B	5.0	3.7	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	47	B	5.0	3.7	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	76		10	4.3	mg/L	1		SM 2540C	Total/NA
Sulfide	0.62	J	1.0	0.23	mg/L	1		SM 4500 S2 F	Total/NA
Total Organic Carbon	8.8		1.0	0.47	mg/L	1		SM 5310C	Total/NA
Dissolved Organic Carbon	8.7		1.0	0.47	mg/L	1		SM 5310C	Dissolved

Client Sample ID: DKC-02_20241217_FBLL — Lab Sample ID: 500-261845-6

No Detections.

Client Sample ID: FB-02_20241217_FBLL — Lab Sample ID: 500-261845-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	0.50		0.50	0.20	ng/L	1		1631E	Total/NA

Client Sample ID: MW-35SB_20241217 — Lab Sample ID: 500-261845-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	2.0		0.50	0.20	ng/L	1		1631E	Total/NA
Mercury	1.0		0.50	0.20	ng/L	1		1631E	Dissolved
Uranium	12		0.050	0.0098	ug/L	1		1638	Total Recoverable
Uranium	12		0.050	0.0098	ug/L	1		1638	Dissolved
Aluminum	16000		100	25	ug/L	1		6020B	Total Recoverable
Arsenic	5.0		1.0	0.23	ug/L	1		6020B	Total Recoverable
Barium	97		2.5	0.73	ug/L	1		6020B	Total Recoverable
Beryllium	0.90	J	1.0	0.53	ug/L	1		6020B	Total Recoverable
Boron	2700	B	50	13	ug/L	1		6020B	Total Recoverable
Calcium	7500		200	44	ug/L	1		6020B	Total Recoverable
Chromium	25		5.0	1.1	ug/L	1		6020B	Total Recoverable
Cobalt	12		1.0	0.40	ug/L	1		6020B	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-35SB_20241217 (Continued)

Lab Sample ID: 500-261845-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Copper	27		2.0	0.50	ug/L	1		6020B	Total Recoverable
Iron	17000		100	47	ug/L	1		6020B	Total Recoverable
Lead	14		0.50	0.19	ug/L	1		6020B	Total Recoverable
Lithium	65		10	2.5	ug/L	1		6020B	Total Recoverable
Magnesium	7800		200	49	ug/L	1		6020B	Total Recoverable
Manganese	420		2.5	0.79	ug/L	1		6020B	Total Recoverable
Molybdenum	5.4		5.0	2.5	ug/L	1		6020B	Total Recoverable
Nickel	25		2.0	0.63	ug/L	1		6020B	Total Recoverable
Potassium	5500		500	110	ug/L	1		6020B	Total Recoverable
Selenium	2.2	J	2.5	0.98	ug/L	1		6020B	Total Recoverable
Sodium	130000		200	77	ug/L	1		6020B	Total Recoverable
Strontium	40		4.0	0.64	ug/L	1		6020B	Total Recoverable
Tin	1.4	J	5.0	1.3	ug/L	1		6020B	Total Recoverable
Vanadium	39		5.0	2.2	ug/L	1		6020B	Total Recoverable
Zinc	59		20	6.9	ug/L	1		6020B	Total Recoverable
Aluminum	50	J	100	25	ug/L	1		6020B	Dissolved
Arsenic	1.1		1.0	0.23	ug/L	1		6020B	Dissolved
Barium	9.0		2.5	0.73	ug/L	1		6020B	Dissolved
Boron	2700	B	50	13	ug/L	1		6020B	Dissolved
Calcium	3500		200	44	ug/L	1		6020B	Dissolved
Copper	1.4	J	2.0	0.50	ug/L	1		6020B	Dissolved
Lithium	57		10	2.5	ug/L	1		6020B	Dissolved
Magnesium	570		200	49	ug/L	1		6020B	Dissolved
Manganese	4.7		2.5	0.79	ug/L	1		6020B	Dissolved
Molybdenum	5.4		5.0	2.5	ug/L	1		6020B	Dissolved
Potassium	1500		500	110	ug/L	1		6020B	Dissolved
Sodium	140000		200	77	ug/L	1		6020B	Dissolved
Strontium	23		4.0	0.64	ug/L	1		6020B	Dissolved
Vanadium	6.7		5.0	2.2	ug/L	1		6020B	Dissolved
Hardness as calcium carbonate	51		0.91	0.46	mg/L	1		SM 2340B	Total Recoverable
Chloride	1.7		1.0	0.42	mg/L	1		300.0	Total/NA
Fluoride	0.71	J	1.0	0.43	mg/L	1		300.0	Total/NA
Sulfate	7.2		1.0	0.47	mg/L	1		300.0	Total/NA
Phosphorus as P	0.24		0.050	0.024	mg/L	1		365.1	Total/NA
Alkalinity	280	B	5.0	3.7	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	280	B	5.0	3.7	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	410		10	4.3	mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	180		25	9.7	mg/L	1		SM 2540D	Total/NA
Total Organic Carbon	1.1		1.0	0.47	mg/L	1		SM 5310C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-35SB_20241217 (Continued) — Lab Sample ID: 500-261845-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dissolved Organic Carbon	0.98	J	1.0	0.47	mg/L	1		SM 5310C	Dissolved

Client Sample ID: MW-35SB_20241217_FBLL — Lab Sample ID: 500-261845-9

No Detections.

This Detection Summary does not include radiochemical test results.

Method Summary

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261845-1

Method	Method Description	Protocol	Laboratory
1630	Methyl Mercury	EPA	EET SSM
1631E	Mercury, Low Level (CVAFS)	EPA	EET SSM
1638	Metals (ICP/MS)	EPA	EET SSM
6020B	Metals (ICP/MS)	SW846	EET CHI
SM 2340B	Total Hardness (as CaCO3) by calculation	SM	EET CHI
300.0	Anions, Ion Chromatography	EPA	EET CHI
335.4	Cyanide, Total	EPA	EET CHI
350.1	Nitrogen, Ammonia	EPA	EET CHI
365.1	Phosphorus, Total	EPA	EET CHI
SM 2320B	Alkalinity	SM	EET CHI
SM 2520B	Salinity	SM	EET CHI
SM 2540C	Solids, Total Dissolved (TDS)	SM	EET CHI
SM 2540D	Solids, Total Suspended (TSS)	SM	EET CHI
SM 4500 S2 F	Sulfide, Total	SM	EET CHI
SM 5310C	Organic Carbon, Dissolved (DOC)	SM	EET CHI
SM 5310C	TOC	SM	EET CHI
1630	Distillation, Methyl Mercury	EPA	EET SSM
1638	Preparation, Total Recoverable Metals	EPA	EET SSM
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET CHI
365.2/365.3/365	Phosphorus, Total	EPA	EET CHI
Distill/Ammonia	Distillation, Ammonia	None	EET CHI
Distill/CN	Distillation, Cyanide	None	EET CHI

Protocol References:

EPA = US Environmental Protection Agency

None = None

SM = "Standard Methods For The Examination Of Water And Wastewater"

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET CHI = Eurofins Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

EET SSM = Eurofins Seattle Specialty Metals, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

Sample Summary

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261845-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-261845-1	PNC-04_20241217	Water	12/17/24 10:00	12/19/24 09:40
500-261845-2	PNC-04_20241217_FBLL	Water	12/17/24 10:00	12/19/24 09:40
500-261845-3	CBR-02_20241217	Water	12/17/24 13:00	12/19/24 09:40
500-261845-4	CBR-02_20241217_FBLL	Water	12/17/24 13:00	12/19/24 09:40
500-261845-5	DKC-02_20241217	Water	12/17/24 13:10	12/19/24 09:40
500-261845-6	DKC-02_20241217_FBLL	Water	12/17/24 13:10	12/19/24 09:40
500-261845-7	FB-02_20241217_FBLL	Water	12/17/24 16:50	12/19/24 09:40
500-261845-8	MW-35SB_20241217	Water	12/17/24 16:00	12/19/24 09:40
500-261845-9	MW-35SB_20241217_FBLL	Water	12/17/24 16:00	12/19/24 09:40

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261845-1

Client Sample ID: PNC-04_20241217

Date Collected: 12/17/24 10:00
Date Received: 12/19/24 09:40

Lab Sample ID: 500-261845-1

Matrix: Water

Method: EPA 1630 - Methyl Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		01/03/25 11:31	01/03/25 23:44	1

Method: EPA 1630 - Methyl Mercury - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		01/03/25 11:31	01/03/25 23:55	1

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**1.6**		0.50	0.20	ng/L			01/03/25 19:19	1

Method: EPA 1631E - Mercury, Low Level (CVAFS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**1.4**		0.50	0.20	ng/L			01/03/25 19:24	1

Method: EPA 1638 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.24**		0.050	0.0098	ug/L		01/07/25 12:01	01/08/25 18:05	1

Method: EPA 1638 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.23**		0.050	0.0098	ug/L		01/07/25 12:01	01/08/25 18:08	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**210**		100	25	ug/L		01/07/25 08:07	01/09/25 15:02	1
Antimony	<1.3		3.0	1.3	ug/L		01/07/25 08:07	01/09/25 15:02	1
Arsenic	**0.32**	**J**	1.0	0.23	ug/L		01/07/25 08:07	01/09/25 15:02	1
Barium	**47**		2.5	0.73	ug/L		01/07/25 08:07	01/09/25 15:02	1
Beryllium	<0.53		1.0	0.53	ug/L		01/07/25 08:07	01/09/25 15:02	1
Boron	**20**	**J B**	50	13	ug/L		01/07/25 08:07	01/09/25 15:02	1
Cadmium	<0.17		0.50	0.17	ug/L		01/07/25 08:07	01/09/25 15:02	1
Calcium	**28000**		200	44	ug/L		01/07/25 08:07	01/09/25 15:02	1
Chromium	<1.1		5.0	1.1	ug/L		01/07/25 08:07	01/09/25 15:02	1
Cobalt	<0.40		1.0	0.40	ug/L		01/07/25 08:07	01/09/25 15:02	1
Copper	**8.9**		2.0	0.50	ug/L		01/07/25 08:07	01/09/25 15:02	1
Iron	**520**		100	47	ug/L		01/07/25 08:07	01/09/25 15:02	1
Lead	<0.19		0.50	0.19	ug/L		01/07/25 08:07	01/09/25 15:02	1
Lithium	<2.5		10	2.5	ug/L		01/07/25 08:07	01/09/25 15:02	1
Magnesium	**6800**		200	49	ug/L		01/07/25 08:07	01/09/25 15:02	1
Manganese	**19**		2.5	0.79	ug/L		01/07/25 08:07	01/09/25 15:02	1
Molybdenum	<2.5		5.0	2.5	ug/L		01/07/25 08:07	01/09/25 15:02	1
Nickel	<0.63		2.0	0.63	ug/L		01/07/25 08:07	01/09/25 15:02	1
Potassium	**1300**		500	110	ug/L		01/07/25 08:07	01/09/25 15:02	1
Selenium	<0.98		2.5	0.98	ug/L		01/07/25 08:07	01/09/25 15:02	1
Silver	<0.12		0.50	0.12	ug/L		01/07/25 08:07	01/09/25 15:02	1
Sodium	**6000**		200	77	ug/L		01/07/25 08:07	01/09/25 15:02	1
Strontium	**140**		4.0	0.64	ug/L		01/07/25 08:07	01/09/25 15:02	1
Thallium	<0.57		2.0	0.57	ug/L		01/07/25 08:07	01/09/25 15:02	1
Tin	<1.3		5.0	1.3	ug/L		01/07/25 08:07	01/09/25 15:02	1
Vanadium	<2.2		5.0	2.2	ug/L		01/07/25 08:07	01/09/25 15:02	1
Zinc	<6.9		20	6.9	ug/L		01/07/25 08:07	01/09/25 15:02	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261845-1

Client Sample ID: PNC-04_20241217

Date Collected: 12/17/24 10:00
Date Received: 12/19/24 09:40

Lab Sample ID: 500-261845-1

Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<25		100	25	ug/L		01/07/25 08:07	01/09/25 15:40	1
Antimony	<1.3		3.0	1.3	ug/L		01/07/25 08:07	01/09/25 15:40	1
Arsenic	**0.26**	**J**	1.0	0.23	ug/L		01/07/25 08:07	01/09/25 15:40	1
Barium	**46**		2.5	0.73	ug/L		01/07/25 08:07	01/09/25 15:40	1
Beryllium	<0.53		1.0	0.53	ug/L		01/07/25 08:07	01/09/25 15:40	1
Boron	**21**	**J B**	50	13	ug/L		01/07/25 08:07	01/09/25 15:40	1
Cadmium	<0.17		0.50	0.17	ug/L		01/07/25 08:07	01/09/25 15:40	1
Calcium	**29000**		200	44	ug/L		01/07/25 08:07	01/09/25 15:40	1
Chromium	<1.1		5.0	1.1	ug/L		01/07/25 08:07	01/09/25 15:40	1
Cobalt	<0.40		1.0	0.40	ug/L		01/07/25 08:07	01/09/25 15:40	1
Copper	**7.9**		2.0	0.50	ug/L		01/07/25 08:07	01/09/25 15:40	1
Iron	**270**		100	47	ug/L		01/07/25 08:07	01/09/25 15:40	1
Lead	<0.19		0.50	0.19	ug/L		01/07/25 08:07	01/09/25 15:40	1
Lithium	<2.5		10	2.5	ug/L		01/07/25 08:07	01/09/25 15:40	1
Magnesium	**6800**		200	49	ug/L		01/07/25 08:07	01/09/25 15:40	1
Manganese	**14**		2.5	0.79	ug/L		01/07/25 08:07	01/09/25 15:40	1
Molybdenum	<2.5		5.0	2.5	ug/L		01/07/25 08:07	01/09/25 15:40	1
Nickel	<0.63		2.0	0.63	ug/L		01/07/25 08:07	01/09/25 15:40	1
Potassium	**1300**		500	110	ug/L		01/07/25 08:07	01/09/25 15:40	1
Selenium	<0.98		2.5	0.98	ug/L		01/07/25 08:07	01/09/25 15:40	1
Silver	<0.12		0.50	0.12	ug/L		01/07/25 08:07	01/09/25 15:40	1
Sodium	**6200**		200	77	ug/L		01/07/25 08:07	01/09/25 15:40	1
Strontium	**140**		4.0	0.64	ug/L		01/07/25 08:07	01/09/25 15:40	1
Thallium	<0.57		2.0	0.57	ug/L		01/07/25 08:07	01/09/25 15:40	1
Tin	<1.3		5.0	1.3	ug/L		01/07/25 08:07	01/09/25 15:40	1
Vanadium	<2.2		5.0	2.2	ug/L		01/07/25 08:07	01/09/25 15:40	1
Zinc	<6.9		20	6.9	ug/L		01/07/25 08:07	01/09/25 15:40	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**98**		0.91	0.46	mg/L		01/07/25 08:07	01/10/25 09:53	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	<0.45		1.0	0.45	mg/L			12/19/24 12:23	1
Nitrate as N (EPA 300.0)	<0.37	H3	1.0	0.37	mg/L			12/19/24 12:23	1
Chloride (EPA 300.0)	**23**		1.0	0.42	mg/L			12/19/24 12:23	1
Nitrite as N (EPA 300.0)	<0.25	H3	1.0	0.25	mg/L			12/19/24 12:23	1
Fluoride (EPA 300.0)	<0.43		1.0	0.43	mg/L			12/19/24 12:23	1
Nitrate Nitrite as N (EPA 300.0)	<0.37	H3	1.0	0.37	mg/L			12/19/24 12:23	1
Sulfate (EPA 300.0)	**1.1**		1.0	0.47	mg/L			12/19/24 12:23	1
Cyanide, Total (EPA 335.4)	<0.0036		0.0050	0.0036	mg/L		12/23/24 10:39	12/23/24 12:40	1
Ammonia (EPA 350.1)	**0.26**		0.20	0.10	mg/L		01/07/25 14:11	01/07/25 16:44	1
Phosphorus as P (EPA 365.1)	<0.024		0.050	0.024	mg/L		12/26/24 10:28	12/31/24 09:51	1
Alkalinity (SM 2320B)	**87**	**B**	5.0	3.7	mg/L			12/21/24 16:18	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**87**	**B**	5.0	3.7	mg/L			12/21/24 16:18	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<3.7		5.0	3.7	mg/L			12/21/24 16:18	1
Salinity (SM 2520B)	<0.33		0.33	0.33	psu			01/06/25 08:16	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261845-1

Client Sample ID: PNC-04_20241217
Date Collected: 12/17/24 10:00
Date Received: 12/19/24 09:40

Lab Sample ID: 500-261845-1
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**130**		10	4.3	mg/L			12/23/24 01:55	1
Total Suspended Solids (SM 2540D)	<1.9		5.0	1.9	mg/L			12/20/24 15:26	1
Sulfide (SM 4500 S2 F)	**1.6**		1.0	0.23	mg/L			12/22/24 21:54	1
Total Organic Carbon (SM 5310C)	**9.0**		1.0	0.47	mg/L			01/07/25 00:04	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon (SM 5310C)	**8.8**		1.0	0.47	mg/L			12/29/24 09:55	1

Client Sample Results

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261845-1

Client Sample ID: PNC-04_20241217_FBLL
Date Collected: 12/17/24 10:00
Date Received: 12/19/24 09:40

Lab Sample ID: 500-261845-2
Matrix: Water

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.23	J	0.50	0.20	ng/L			01/03/25 19:28	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261845-1

Client Sample ID: CBR-02_20241217

Date Collected: 12/17/24 13:00
Date Received: 12/19/24 09:40

Lab Sample ID: 500-261845-3

Matrix: Water

Method: EPA 1630 - Methyl Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	**0.045**	**J**	0.050	0.022	ng/L		01/03/25 11:31	01/04/25 00:05	1

Method: EPA 1630 - Methyl Mercury - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	**0.026**	**J**	0.050	0.022	ng/L		01/03/25 11:31	01/04/25 00:15	1

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**5.8**		0.50	0.20	ng/L			01/03/25 19:32	1

Method: EPA 1631E - Mercury, Low Level (CVAFS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**4.5**		0.50	0.20	ng/L			01/03/25 19:36	1

Method: EPA 1638 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.18**		0.050	0.0098	ug/L		01/07/25 12:01	01/08/25 18:12	1

Method: EPA 1638 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.12**		0.050	0.0098	ug/L		01/07/25 12:01	01/08/25 18:15	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**1300**		100	25	ug/L		01/07/25 08:07	01/09/25 15:05	1
Antimony	<1.3		3.0	1.3	ug/L		01/07/25 08:07	01/09/25 15:05	1
Arsenic	**0.37**	**J**	1.0	0.23	ug/L		01/07/25 08:07	01/09/25 15:05	1
Barium	**44**		2.5	0.73	ug/L		01/07/25 08:07	01/09/25 15:05	1
Beryllium	<0.53		1.0	0.53	ug/L		01/07/25 08:07	01/09/25 15:05	1
Boron	**37**	**J B**	50	13	ug/L		01/07/25 08:07	01/09/25 15:05	1
Cadmium	<0.17		0.50	0.17	ug/L		01/07/25 08:07	01/09/25 15:05	1
Calcium	**13000**		200	44	ug/L		01/07/25 08:07	01/09/25 15:05	1
Chromium	**1.8**	**J**	5.0	1.1	ug/L		01/07/25 08:07	01/09/25 15:05	1
Cobalt	**0.44**	**J**	1.0	0.40	ug/L		01/07/25 08:07	01/09/25 15:05	1
Copper	**5.2**		2.0	0.50	ug/L		01/07/25 08:07	01/09/25 15:05	1
Iron	**1300**		100	47	ug/L		01/07/25 08:07	01/09/25 15:05	1
Lead	**0.50**		0.50	0.19	ug/L		01/07/25 08:07	01/09/25 15:05	1
Lithium	<2.5		10	2.5	ug/L		01/07/25 08:07	01/09/25 15:05	1
Magnesium	**3800**		200	49	ug/L		01/07/25 08:07	01/09/25 15:05	1
Manganese	**37**		2.5	0.79	ug/L		01/07/25 08:07	01/09/25 15:05	1
Molybdenum	<2.5		5.0	2.5	ug/L		01/07/25 08:07	01/09/25 15:05	1
Nickel	**1.1**	**J**	2.0	0.63	ug/L		01/07/25 08:07	01/09/25 15:05	1
Potassium	**1100**		500	110	ug/L		01/07/25 08:07	01/09/25 15:05	1
Selenium	<0.98		2.5	0.98	ug/L		01/07/25 08:07	01/09/25 15:05	1
Silver	<0.12		0.50	0.12	ug/L		01/07/25 08:07	01/09/25 15:05	1
Sodium	**3500**		200	77	ug/L		01/07/25 08:07	01/09/25 15:05	1
Strontium	**61**		4.0	0.64	ug/L		01/07/25 08:07	01/09/25 15:05	1
Thallium	<0.57		2.0	0.57	ug/L		01/07/25 08:07	01/09/25 15:05	1
Tin	<1.3		5.0	1.3	ug/L		01/07/25 08:07	01/09/25 15:05	1
Vanadium	**2.5**	**J**	5.0	2.2	ug/L		01/07/25 08:07	01/09/25 15:05	1
Zinc	<6.9		20	6.9	ug/L		01/07/25 08:07	01/09/25 15:05	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261845-1

Client Sample ID: CBR-02_20241217

Date Collected: 12/17/24 13:00
Date Received: 12/19/24 09:40

Lab Sample ID: 500-261845-3

Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**110**		100	25	ug/L		01/07/25 08:07	01/09/25 15:42	1
Antimony	<1.3		3.0	1.3	ug/L		01/07/25 08:07	01/09/25 15:42	1
Arsenic	**0.24**	**J**	1.0	0.23	ug/L		01/07/25 08:07	01/09/25 15:42	1
Barium	**33**		2.5	0.73	ug/L		01/07/25 08:07	01/09/25 15:42	1
Beryllium	<0.53		1.0	0.53	ug/L		01/07/25 08:07	01/09/25 15:42	1
Boron	**35**	**J B**	50	13	ug/L		01/07/25 08:07	01/09/25 15:42	1
Cadmium	<0.17		0.50	0.17	ug/L		01/07/25 08:07	01/09/25 15:42	1
Calcium	**13000**		200	44	ug/L		01/07/25 08:07	01/09/25 15:42	1
Chromium	<1.1		5.0	1.1	ug/L		01/07/25 08:07	01/09/25 15:42	1
Cobalt	<0.40		1.0	0.40	ug/L		01/07/25 08:07	01/09/25 15:42	1
Copper	**3.6**		2.0	0.50	ug/L		01/07/25 08:07	01/09/25 15:42	1
Iron	**290**		100	47	ug/L		01/07/25 08:07	01/09/25 15:42	1
Lead	<0.19		0.50	0.19	ug/L		01/07/25 08:07	01/09/25 15:42	1
Lithium	<2.5		10	2.5	ug/L		01/07/25 08:07	01/09/25 15:42	1
Magnesium	**3500**		200	49	ug/L		01/07/25 08:07	01/09/25 15:42	1
Manganese	**25**		2.5	0.79	ug/L		01/07/25 08:07	01/09/25 15:42	1
Molybdenum	<2.5		5.0	2.5	ug/L		01/07/25 08:07	01/09/25 15:42	1
Nickel	<0.63		2.0	0.63	ug/L		01/07/25 08:07	01/09/25 15:42	1
Potassium	**890**		500	110	ug/L		01/07/25 08:07	01/09/25 15:42	1
Selenium	<0.98		2.5	0.98	ug/L		01/07/25 08:07	01/09/25 15:42	1
Silver	<0.12		0.50	0.12	ug/L		01/07/25 08:07	01/09/25 15:42	1
Sodium	**3400**		200	77	ug/L		01/07/25 08:07	01/09/25 15:42	1
Strontium	**60**		4.0	0.64	ug/L		01/07/25 08:07	01/09/25 15:42	1
Thallium	<0.57		2.0	0.57	ug/L		01/07/25 08:07	01/09/25 15:42	1
Tin	<1.3		5.0	1.3	ug/L		01/07/25 08:07	01/09/25 15:42	1
Vanadium	<2.2		5.0	2.2	ug/L		01/07/25 08:07	01/09/25 15:42	1
Zinc	<6.9		20	6.9	ug/L		01/07/25 08:07	01/09/25 15:42	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**49**		0.91	0.46	mg/L		01/07/25 08:07	01/10/25 09:53	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	<0.45		1.0	0.45	mg/L			12/19/24 11:36	1
Nitrate as N (EPA 300.0)	<0.37		1.0	0.37	mg/L			12/19/24 11:36	1
Chloride (EPA 300.0)	**5.3**		1.0	0.42	mg/L			12/19/24 11:36	1
Nitrite as N (EPA 300.0)	<0.25		1.0	0.25	mg/L			12/19/24 11:36	1
Fluoride (EPA 300.0)	<0.43		1.0	0.43	mg/L			12/19/24 11:36	1
Nitrate Nitrite as N (EPA 300.0)	<0.37		1.0	0.37	mg/L			12/19/24 11:36	1
Sulfate (EPA 300.0)	**2.7**		1.0	0.47	mg/L			12/19/24 11:36	1
Cyanide, Total (EPA 335.4)	<0.0036		0.0050	0.0036	mg/L		12/23/24 10:39	12/23/24 12:42	1
Ammonia (EPA 350.1)	<0.10		0.20	0.10	mg/L		01/07/25 14:11	01/07/25 16:44	1
Phosphorus as P (EPA 365.1)	<0.024		0.050	0.024	mg/L		12/26/24 10:28	12/31/24 09:51	1
Alkalinity (SM 2320B)	**45**	**B**	5.0	3.7	mg/L			12/23/24 11:04	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**45**	**B**	5.0	3.7	mg/L			12/23/24 11:04	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<3.7		5.0	3.7	mg/L			12/23/24 11:04	1
Salinity (SM 2520B)	<0.33		0.33	0.33	psu			01/06/25 08:16	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261845-1

Client Sample ID: CBR-02_20241217
Date Collected: 12/17/24 13:00
Date Received: 12/19/24 09:40

Lab Sample ID: 500-261845-3
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	88		10	4.3	mg/L			12/23/24 02:02	1
Total Suspended Solids (SM 2540D)	17		5.0	1.9	mg/L			12/20/24 15:27	1
Sulfide (SM 4500 S2 F)	1.7		1.0	0.23	mg/L			12/22/24 21:59	1
Total Organic Carbon (SM 5310C)	11		1.0	0.47	mg/L			01/07/25 00:32	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon (SM 5310C)	10		1.0	0.47	mg/L			12/29/24 09:55	1

Client Sample Results

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261845-1

Client Sample ID: CBR-02_20241217_FBLL
Date Collected: 12/17/24 13:00
Date Received: 12/19/24 09:40

Lab Sample ID: 500-261845-4
Matrix: Water

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			01/03/25 19:40	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261845-1

Client Sample ID: DKC-02_20241217

Date Collected: 12/17/24 13:10
Date Received: 12/19/24 09:40

Lab Sample ID: 500-261845-5

Matrix: Water

Method: EPA 1630 - Methyl Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		01/03/25 11:31	01/04/25 00:25	1

Method: EPA 1630 - Methyl Mercury - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		01/03/25 11:31	01/04/25 00:35	1

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**4.8**		0.50	0.20	ng/L			01/03/25 19:44	1

Method: EPA 1631E - Mercury, Low Level (CVAFS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**3.9**		0.50	0.20	ng/L			01/03/25 19:48	1

Method: EPA 1638 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.21**		0.050	0.0098	ug/L		01/07/25 12:01	01/08/25 18:39	1

Method: EPA 1638 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.16**		0.050	0.0098	ug/L		01/07/25 12:01	01/08/25 19:07	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**650**		100	25	ug/L		01/07/25 08:07	01/09/25 15:07	1
Antimony	<1.3		3.0	1.3	ug/L		01/07/25 08:07	01/09/25 15:07	1
Arsenic	**0.32**	**J**	1.0	0.23	ug/L		01/07/25 08:07	01/09/25 15:07	1
Barium	**27**		2.5	0.73	ug/L		01/07/25 08:07	01/09/25 15:07	1
Beryllium	<0.53		1.0	0.53	ug/L		01/07/25 08:07	01/09/25 15:07	1
Boron	**17**	**J B**	50	13	ug/L		01/07/25 08:07	01/09/25 15:07	1
Cadmium	<0.17		0.50	0.17	ug/L		01/07/25 08:07	01/09/25 15:07	1
Calcium	**11000**		200	44	ug/L		01/07/25 08:07	01/09/25 15:07	1
Chromium	**1.1**	**J**	5.0	1.1	ug/L		01/07/25 08:07	01/09/25 15:07	1
Cobalt	<0.40		1.0	0.40	ug/L		01/07/25 08:07	01/09/25 15:07	1
Copper	**8.9**		2.0	0.50	ug/L		01/07/25 08:07	01/09/25 15:07	1
Iron	**940**		100	47	ug/L		01/07/25 08:07	01/09/25 15:07	1
Lead	**0.32**	**J**	0.50	0.19	ug/L		01/07/25 08:07	01/09/25 15:07	1
Lithium	<2.5		10	2.5	ug/L		01/07/25 08:07	01/09/25 15:07	1
Magnesium	**3300**		200	49	ug/L		01/07/25 08:07	01/09/25 15:07	1
Manganese	**12**		2.5	0.79	ug/L		01/07/25 08:07	01/09/25 15:07	1
Molybdenum	<2.5		5.0	2.5	ug/L		01/07/25 08:07	01/09/25 15:07	1
Nickel	<0.63		2.0	0.63	ug/L		01/07/25 08:07	01/09/25 15:07	1
Potassium	**990**		500	110	ug/L		01/07/25 08:07	01/09/25 15:07	1
Selenium	<0.98		2.5	0.98	ug/L		01/07/25 08:07	01/09/25 15:07	1
Silver	<0.12		0.50	0.12	ug/L		01/07/25 08:07	01/09/25 15:07	1
Sodium	**1900**		200	77	ug/L		01/07/25 08:07	01/09/25 15:07	1
Strontium	**40**		4.0	0.64	ug/L		01/07/25 08:07	01/09/25 15:07	1
Thallium	<0.57		2.0	0.57	ug/L		01/07/25 08:07	01/09/25 15:07	1
Tin	<1.3		5.0	1.3	ug/L		01/07/25 08:07	01/09/25 15:07	1
Vanadium	<2.2		5.0	2.2	ug/L		01/07/25 08:07	01/09/25 15:07	1
Zinc	<6.9		20	6.9	ug/L		01/07/25 08:07	01/09/25 15:07	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261845-1

Client Sample ID: DKC-02_20241217

Date Collected: 12/17/24 13:10
Date Received: 12/19/24 09:40

Lab Sample ID: 500-261845-5

Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**290**		100	25	ug/L		01/07/25 08:07	01/09/25 15:46	1
Antimony	<1.3		3.0	1.3	ug/L		01/07/25 08:07	01/09/25 15:46	1
Arsenic	**0.27**	**J**	1.0	0.23	ug/L		01/07/25 08:07	01/09/25 15:46	1
Barium	**25**		2.5	0.73	ug/L		01/07/25 08:07	01/09/25 15:46	1
Beryllium	<0.53		1.0	0.53	ug/L		01/07/25 08:07	01/09/25 15:46	1
Boron	**19**	**J B**	50	13	ug/L		01/07/25 08:07	01/09/25 15:46	1
Cadmium	<0.17		0.50	0.17	ug/L		01/07/25 08:07	01/09/25 15:46	1
Calcium	**11000**		200	44	ug/L		01/07/25 08:07	01/09/25 15:46	1
Chromium	<1.1		5.0	1.1	ug/L		01/07/25 08:07	01/09/25 15:46	1
Cobalt	<0.40		1.0	0.40	ug/L		01/07/25 08:07	01/09/25 15:46	1
Copper	**7.7**		2.0	0.50	ug/L		01/07/25 08:07	01/09/25 15:46	1
Iron	**570**		100	47	ug/L		01/07/25 08:07	01/09/25 15:46	1
Lead	<0.19		0.50	0.19	ug/L		01/07/25 08:07	01/09/25 15:46	1
Lithium	<2.5		10	2.5	ug/L		01/07/25 08:07	01/09/25 15:46	1
Magnesium	**3200**		200	49	ug/L		01/07/25 08:07	01/09/25 15:46	1
Manganese	**8.0**		2.5	0.79	ug/L		01/07/25 08:07	01/09/25 15:46	1
Molybdenum	<2.5		5.0	2.5	ug/L		01/07/25 08:07	01/09/25 15:46	1
Nickel	<0.63		2.0	0.63	ug/L		01/07/25 08:07	01/09/25 15:46	1
Potassium	**960**		500	110	ug/L		01/07/25 08:07	01/09/25 15:46	1
Selenium	<0.98		2.5	0.98	ug/L		01/07/25 08:07	01/09/25 15:46	1
Silver	<0.12		0.50	0.12	ug/L		01/07/25 08:07	01/09/25 15:46	1
Sodium	**1900**		200	77	ug/L		01/07/25 08:07	01/09/25 15:46	1
Strontium	**41**		4.0	0.64	ug/L		01/07/25 08:07	01/09/25 15:46	1
Thallium	<0.57		2.0	0.57	ug/L		01/07/25 08:07	01/09/25 15:46	1
Tin	<1.3		5.0	1.3	ug/L		01/07/25 08:07	01/09/25 15:46	1
Vanadium	<2.2		5.0	2.2	ug/L		01/07/25 08:07	01/09/25 15:46	1
Zinc	<6.9		20	6.9	ug/L		01/07/25 08:07	01/09/25 15:46	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**41**		0.91	0.46	mg/L		01/07/25 08:07	01/10/25 09:53	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	<0.45		1.0	0.45	mg/L			12/19/24 11:52	1
Nitrate as N (EPA 300.0)	<0.37		1.0	0.37	mg/L			12/19/24 11:52	1
Chloride (EPA 300.0)	**1.3**		1.0	0.42	mg/L			12/19/24 11:52	1
Nitrite as N (EPA 300.0)	<0.25		1.0	0.25	mg/L			12/19/24 11:52	1
Fluoride (EPA 300.0)	<0.43		1.0	0.43	mg/L			12/19/24 11:52	1
Nitrate Nitrite as N (EPA 300.0)	<0.37		1.0	0.37	mg/L			12/19/24 11:52	1
Sulfate (EPA 300.0)	**1.7**		1.0	0.47	mg/L			12/19/24 11:52	1
Cyanide, Total (EPA 335.4)	<0.0036		0.0050	0.0036	mg/L		12/23/24 10:39	12/23/24 12:43	1
Ammonia (EPA 350.1)	<0.10		0.20	0.10	mg/L		01/07/25 14:11	01/07/25 16:45	1
Phosphorus as P (EPA 365.1)	<0.024		0.050	0.024	mg/L		12/26/24 10:28	12/31/24 09:50	1
Alkalinity (SM 2320B)	**47**	**B**	5.0	3.7	mg/L			12/23/24 11:13	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**47**	**B**	5.0	3.7	mg/L			12/23/24 11:13	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<3.7		5.0	3.7	mg/L			12/23/24 11:13	1
Salinity (SM 2520B)	<0.33		0.33	0.33	psu			01/06/25 08:16	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261845-1

Client Sample ID: DKC-02_20241217
Date Collected: 12/17/24 13:10
Date Received: 12/19/24 09:40

Lab Sample ID: 500-261845-5
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**76**		10	4.3	mg/L			12/23/24 02:08	1
Total Suspended Solids (SM 2540D)	<1.9		5.0	1.9	mg/L			12/20/24 15:29	1
Sulfide (SM 4500 S2 F)	**0.62**	**J**	1.0	0.23	mg/L			12/22/24 22:04	1
Total Organic Carbon (SM 5310C)	**8.8**		1.0	0.47	mg/L			01/07/25 01:00	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon (SM 5310C)	**8.7**		1.0	0.47	mg/L			12/29/24 09:55	1

Client Sample Results

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261845-1

Client Sample ID: DKC-02_20241217_FBLL
Date Collected: 12/17/24 13:10
Date Received: 12/19/24 09:40

Lab Sample ID: 500-261845-6
Matrix: Water

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			01/03/25 19:53	1

Client Sample Results

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261845-1

Client Sample ID: FB-02_20241217_FBLL
Date Collected: 12/17/24 16:50
Date Received: 12/19/24 09:40

Lab Sample ID: 500-261845-7
Matrix: Water

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.50		0.50	0.20	ng/L			01/03/25 20:05	1

Client Sample ID: MW-35SB_20241217

Date Collected: 12/17/24 16:00
Date Received: 12/19/24 09:40

Lab Sample ID: 500-261845-8

Matrix: Water

Method: EPA 1630 - Methyl Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		01/03/25 11:31	01/04/25 01:06	1

Method: EPA 1630 - Methyl Mercury - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		01/03/25 11:31	01/04/25 01:16	1

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**2.0**		0.50	0.20	ng/L			01/03/25 20:09	1

Method: EPA 1631E - Mercury, Low Level (CVAFS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**1.0**		0.50	0.20	ng/L			01/03/25 20:13	1

Method: EPA 1638 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**12**		0.050	0.0098	ug/L		01/07/25 12:01	01/08/25 19:10	1

Method: EPA 1638 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**12**		0.050	0.0098	ug/L		01/07/25 12:01	01/08/25 19:14	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**16000**		100	25	ug/L		01/07/25 08:07	01/09/25 15:10	1
Antimony	<1.3		3.0	1.3	ug/L		01/07/25 08:07	01/09/25 15:10	1
Arsenic	**5.0**		1.0	0.23	ug/L		01/07/25 08:07	01/09/25 15:10	1
Barium	**97**		2.5	0.73	ug/L		01/07/25 08:07	01/09/25 15:10	1
Beryllium	**0.90**	**J**	1.0	0.53	ug/L		01/07/25 08:07	01/09/25 15:10	1
Boron	**2700**	**B**	50	13	ug/L		01/07/25 08:07	01/09/25 15:10	1
Cadmium	<0.17		0.50	0.17	ug/L		01/07/25 08:07	01/09/25 15:10	1
Calcium	**7500**		200	44	ug/L		01/07/25 08:07	01/09/25 15:10	1
Chromium	**25**		5.0	1.1	ug/L		01/07/25 08:07	01/09/25 15:10	1
Cobalt	**12**		1.0	0.40	ug/L		01/07/25 08:07	01/09/25 15:10	1
Copper	**27**		2.0	0.50	ug/L		01/07/25 08:07	01/09/25 15:10	1
Iron	**17000**		100	47	ug/L		01/07/25 08:07	01/09/25 15:10	1
Lead	**14**		0.50	0.19	ug/L		01/07/25 08:07	01/09/25 15:10	1
Lithium	**65**		10	2.5	ug/L		01/07/25 08:07	01/09/25 15:10	1
Magnesium	**7800**		200	49	ug/L		01/07/25 08:07	01/09/25 15:10	1
Manganese	**420**		2.5	0.79	ug/L		01/07/25 08:07	01/09/25 15:10	1
Molybdenum	**5.4**		5.0	2.5	ug/L		01/07/25 08:07	01/09/25 15:10	1
Nickel	**25**		2.0	0.63	ug/L		01/07/25 08:07	01/09/25 15:10	1
Potassium	**5500**		500	110	ug/L		01/07/25 08:07	01/09/25 15:10	1
Selenium	**2.2**	**J**	2.5	0.98	ug/L		01/07/25 08:07	01/09/25 15:10	1
Silver	<0.12		0.50	0.12	ug/L		01/07/25 08:07	01/09/25 15:10	1
Sodium	**130000**		200	77	ug/L		01/07/25 08:07	01/09/25 15:10	1
Strontium	**40**		4.0	0.64	ug/L		01/07/25 08:07	01/09/25 15:10	1
Thallium	<0.57		2.0	0.57	ug/L		01/07/25 08:07	01/09/25 15:10	1
Tin	**1.4**	**J**	5.0	1.3	ug/L		01/07/25 08:07	01/09/25 15:10	1
Vanadium	**39**		5.0	2.2	ug/L		01/07/25 08:07	01/09/25 15:10	1
Zinc	**59**		20	6.9	ug/L		01/07/25 08:07	01/09/25 15:10	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261845-1

Client Sample ID: MW-35SB_20241217

Date Collected: 12/17/24 16:00
Date Received: 12/19/24 09:40

Lab Sample ID: 500-261845-8

Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**50**	**J**	100	25	ug/L		01/07/25 08:07	01/09/25 15:49	1
Antimony	<1.3		3.0	1.3	ug/L		01/07/25 08:07	01/09/25 15:49	1
Arsenic	**1.1**		1.0	0.23	ug/L		01/07/25 08:07	01/09/25 15:49	1
Barium	**9.0**		2.5	0.73	ug/L		01/07/25 08:07	01/09/25 15:49	1
Beryllium	<0.53		1.0	0.53	ug/L		01/07/25 08:07	01/09/25 15:49	1
Boron	**2700**	**B**	50	13	ug/L		01/07/25 08:07	01/09/25 15:49	1
Cadmium	<0.17		0.50	0.17	ug/L		01/07/25 08:07	01/09/25 15:49	1
Calcium	**3500**		200	44	ug/L		01/07/25 08:07	01/09/25 15:49	1
Chromium	<1.1		5.0	1.1	ug/L		01/07/25 08:07	01/09/25 15:49	1
Cobalt	<0.40		1.0	0.40	ug/L		01/07/25 08:07	01/09/25 15:49	1
Copper	**1.4**	**J**	2.0	0.50	ug/L		01/07/25 08:07	01/09/25 15:49	1
Iron	<47		100	47	ug/L		01/07/25 08:07	01/09/25 15:49	1
Lead	<0.19		0.50	0.19	ug/L		01/07/25 08:07	01/09/25 15:49	1
Lithium	**57**		10	2.5	ug/L		01/07/25 08:07	01/09/25 15:49	1
Magnesium	**570**		200	49	ug/L		01/07/25 08:07	01/09/25 15:49	1
Manganese	**4.7**		2.5	0.79	ug/L		01/07/25 08:07	01/09/25 15:49	1
Molybdenum	**5.4**		5.0	2.5	ug/L		01/07/25 08:07	01/09/25 15:49	1
Nickel	<0.63		2.0	0.63	ug/L		01/07/25 08:07	01/09/25 15:49	1
Potassium	**1500**		500	110	ug/L		01/07/25 08:07	01/09/25 15:49	1
Selenium	<0.98		2.5	0.98	ug/L		01/07/25 08:07	01/09/25 15:49	1
Silver	<0.12		0.50	0.12	ug/L		01/07/25 08:07	01/09/25 15:49	1
Sodium	**140000**		200	77	ug/L		01/07/25 08:07	01/09/25 15:49	1
Strontium	**23**		4.0	0.64	ug/L		01/07/25 08:07	01/09/25 15:49	1
Thallium	<0.57		2.0	0.57	ug/L		01/07/25 08:07	01/09/25 15:49	1
Tin	<1.3		5.0	1.3	ug/L		01/07/25 08:07	01/09/25 15:49	1
Vanadium	**6.7**		5.0	2.2	ug/L		01/07/25 08:07	01/09/25 15:49	1
Zinc	<6.9		20	6.9	ug/L		01/07/25 08:07	01/09/25 15:49	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**51**		0.91	0.46	mg/L		01/07/25 08:07	01/10/25 09:53	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	<0.45		1.0	0.45	mg/L			12/19/24 12:07	1
Nitrate as N (EPA 300.0)	<0.37		1.0	0.37	mg/L			12/19/24 12:07	1
Chloride (EPA 300.0)	**1.7**		1.0	0.42	mg/L			12/19/24 12:07	1
Nitrite as N (EPA 300.0)	<0.25		1.0	0.25	mg/L			12/19/24 12:07	1
Fluoride (EPA 300.0)	**0.71**	**J**	1.0	0.43	mg/L			12/19/24 12:07	1
Nitrate Nitrite as N (EPA 300.0)	<0.37		1.0	0.37	mg/L			12/19/24 12:07	1
Sulfate (EPA 300.0)	**7.2**		1.0	0.47	mg/L			12/19/24 12:07	1
Cyanide, Total (EPA 335.4)	<0.0036		0.0050	0.0036	mg/L		12/23/24 10:39	12/23/24 12:45	1
Ammonia (EPA 350.1)	<0.10		0.20	0.10	mg/L		01/07/25 14:11	01/07/25 16:45	1
Phosphorus as P (EPA 365.1)	**0.24**		0.050	0.024	mg/L		12/26/24 10:28	12/31/24 09:52	1
Alkalinity (SM 2320B)	**280**	**B**	5.0	3.7	mg/L			12/21/24 16:45	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**280**	**B**	5.0	3.7	mg/L			12/21/24 16:45	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<3.7		5.0	3.7	mg/L			12/21/24 16:45	1
Salinity (SM 2520B)	<0.33		0.33	0.33	psu			01/06/25 08:16	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261845-1

Client Sample ID: MW-35SB_20241217
Date Collected: 12/17/24 16:00
Date Received: 12/19/24 09:40

Lab Sample ID: 500-261845-8
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	410		10	4.3	mg/L			12/23/24 02:10	1
Total Suspended Solids (SM 2540D)	180		25	9.7	mg/L			12/20/24 15:30	1
Sulfide (SM 4500 S2 F)	<0.23		1.0	0.23	mg/L			12/22/24 22:08	1
Total Organic Carbon (SM 5310C)	1.1		1.0	0.47	mg/L			01/08/25 16:02	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon (SM 5310C)	0.98	J	1.0	0.47	mg/L			01/09/25 07:16	1

Client Sample Results

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261845-1

Client Sample ID: MW-35SB_20241217_FBLL
Date Collected: 12/17/24 16:00
Date Received: 12/19/24 09:40

Lab Sample ID: 500-261845-9
Matrix: Water

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			01/03/25 20:17	1

Definitions/Glossary

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261845-1

Qualifiers

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
H3	Sample was received and analyzed past holding time. This does not meet regulatory requirements.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Metals

Prep Batch: 4263

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261845-1	PNC-04_20241217	Dissolved	Water	1630	
500-261845-1	PNC-04_20241217	Total/NA	Water	1630	
500-261845-3	CBR-02_20241217	Dissolved	Water	1630	
500-261845-3	CBR-02_20241217	Total/NA	Water	1630	
500-261845-5	DKC-02_20241217	Dissolved	Water	1630	
500-261845-5	DKC-02_20241217	Total/NA	Water	1630	
500-261845-8	MW-35SB_20241217	Dissolved	Water	1630	
500-261845-8	MW-35SB_20241217	Total/NA	Water	1630	
MB 350-4263/1-A	Method Blank	Total/NA	Water	1630	
MB 350-4263/2-A	Method Blank	Total/NA	Water	1630	
MB 350-4263/3-A	Method Blank	Total/NA	Water	1630	
LCS 350-4263/4-A	Lab Control Sample	Total/NA	Water	1630	
LCSD 350-4263/5-A	Lab Control Sample Dup	Total/NA	Water	1630	

Analysis Batch: 4286

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261845-1	PNC-04_20241217	Dissolved	Water	1631E	
500-261845-1	PNC-04_20241217	Total/NA	Water	1631E	
500-261845-2	PNC-04_20241217_FBLL	Total/NA	Water	1631E	
500-261845-3	CBR-02_20241217	Dissolved	Water	1631E	
500-261845-3	CBR-02_20241217	Total/NA	Water	1631E	
500-261845-4	CBR-02_20241217_FBLL	Total/NA	Water	1631E	
500-261845-5	DKC-02_20241217	Dissolved	Water	1631E	
500-261845-5	DKC-02_20241217	Total/NA	Water	1631E	
500-261845-6	DKC-02_20241217_FBLL	Total/NA	Water	1631E	
500-261845-7	FB-02_20241217_FBLL	Total/NA	Water	1631E	
500-261845-8	MW-35SB_20241217	Dissolved	Water	1631E	
500-261845-8	MW-35SB_20241217	Total/NA	Water	1631E	
500-261845-9	MW-35SB_20241217_FBLL	Total/NA	Water	1631E	
MB 350-4286/19	Method Blank	Total/NA	Water	1631E	
MB 350-4286/20	Method Blank	Total/NA	Water	1631E	
MB 350-4286/23	Method Blank	Total/NA	Water	1631E	
LCS 350-4286/29	Lab Control Sample	Total/NA	Water	1631E	
LCSD 350-4286/30	Lab Control Sample Dup	Total/NA	Water	1631E	

Analysis Batch: 4287

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261845-1	PNC-04_20241217	Dissolved	Water	1630	4263
500-261845-1	PNC-04_20241217	Total/NA	Water	1630	4263
500-261845-3	CBR-02_20241217	Dissolved	Water	1630	4263
500-261845-3	CBR-02_20241217	Total/NA	Water	1630	4263
500-261845-5	DKC-02_20241217	Dissolved	Water	1630	4263
500-261845-5	DKC-02_20241217	Total/NA	Water	1630	4263
500-261845-8	MW-35SB_20241217	Dissolved	Water	1630	4263
500-261845-8	MW-35SB_20241217	Total/NA	Water	1630	4263
MB 350-4263/1-A	Method Blank	Total/NA	Water	1630	4263
MB 350-4263/2-A	Method Blank	Total/NA	Water	1630	4263
MB 350-4263/3-A	Method Blank	Total/NA	Water	1630	4263
LCS 350-4263/4-A	Lab Control Sample	Total/NA	Water	1630	4263
LCSD 350-4263/5-A	Lab Control Sample Dup	Total/NA	Water	1630	4263

QC Association Summary

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261845-1

Metals

Prep Batch: 4317

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261845-1	PNC-04_20241217	Dissolved	Water	1638	
500-261845-1	PNC-04_20241217	Total Recoverable	Water	1638	
500-261845-3	CBR-02_20241217	Dissolved	Water	1638	
500-261845-3	CBR-02_20241217	Total Recoverable	Water	1638	
MB 350-4317/1-A	Method Blank	Total Recoverable	Water	1638	
MB 350-4317/2-A	Method Blank	Total Recoverable	Water	1638	
LCS 350-4317/3-A	Lab Control Sample	Total Recoverable	Water	1638	
LCSD 350-4317/4-A	Lab Control Sample Dup	Total Recoverable	Water	1638	

Prep Batch: 4318

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261845-5	DKC-02_20241217	Dissolved	Water	1638	
500-261845-5	DKC-02_20241217	Total Recoverable	Water	1638	
500-261845-8	MW-35SB_20241217	Dissolved	Water	1638	
500-261845-8	MW-35SB_20241217	Total Recoverable	Water	1638	
MB 350-4318/1-A	Method Blank	Total Recoverable	Water	1638	
MB 350-4318/2-A	Method Blank	Total Recoverable	Water	1638	
LCS 350-4318/3-A	Lab Control Sample	Total Recoverable	Water	1638	
LCSD 350-4318/4-A	Lab Control Sample Dup	Total Recoverable	Water	1638	
500-261845-5 MS	DKC-02_20241217	Total Recoverable	Water	1638	
500-261845-5 MSD	DKC-02_20241217	Total Recoverable	Water	1638	

Analysis Batch: 4379

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261845-1	PNC-04_20241217	Dissolved	Water	1638	4317
500-261845-1	PNC-04_20241217	Total Recoverable	Water	1638	4317
500-261845-3	CBR-02_20241217	Dissolved	Water	1638	4317
500-261845-3	CBR-02_20241217	Total Recoverable	Water	1638	4317
500-261845-5	DKC-02_20241217	Dissolved	Water	1638	4318
500-261845-5	DKC-02_20241217	Total Recoverable	Water	1638	4318
500-261845-8	MW-35SB_20241217	Dissolved	Water	1638	4318
500-261845-8	MW-35SB_20241217	Total Recoverable	Water	1638	4318
MB 350-4317/1-A	Method Blank	Total Recoverable	Water	1638	4317
MB 350-4317/2-A	Method Blank	Total Recoverable	Water	1638	4317
MB 350-4318/2-A	Method Blank	Total Recoverable	Water	1638	4318
LCS 350-4317/3-A	Lab Control Sample	Total Recoverable	Water	1638	4317
LCS 350-4318/3-A	Lab Control Sample	Total Recoverable	Water	1638	4318
LCSD 350-4317/4-A	Lab Control Sample Dup	Total Recoverable	Water	1638	4317
LCSD 350-4318/4-A	Lab Control Sample Dup	Total Recoverable	Water	1638	4318
500-261845-5 MS	DKC-02_20241217	Total Recoverable	Water	1638	4318
500-261845-5 MSD	DKC-02_20241217	Total Recoverable	Water	1638	4318

Analysis Batch: 4389

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 350-4318/1-A	Method Blank	Total Recoverable	Water	1638	4318

Prep Batch: 801918

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261845-1	PNC-04_20241217	Dissolved	Water	3005A	
500-261845-1	PNC-04_20241217	Total Recoverable	Water	3005A	
500-261845-3	CBR-02_20241217	Dissolved	Water	3005A	

Metals (Continued)

Prep Batch: 801918 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261845-3	CBR-02_20241217	Total Recoverable	Water	3005A	
500-261845-5	DKC-02_20241217	Dissolved	Water	3005A	
500-261845-5	DKC-02_20241217	Total Recoverable	Water	3005A	
500-261845-8	MW-35SB_20241217	Dissolved	Water	3005A	
500-261845-8	MW-35SB_20241217	Total Recoverable	Water	3005A	
MB 500-801918/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 500-801918/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Analysis Batch: 802387

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261845-1	PNC-04_20241217	Dissolved	Water	6020B	801918
500-261845-1	PNC-04_20241217	Total Recoverable	Water	6020B	801918
500-261845-3	CBR-02_20241217	Dissolved	Water	6020B	801918
500-261845-3	CBR-02_20241217	Total Recoverable	Water	6020B	801918
500-261845-5	DKC-02_20241217	Dissolved	Water	6020B	801918
500-261845-5	DKC-02_20241217	Total Recoverable	Water	6020B	801918
500-261845-8	MW-35SB_20241217	Dissolved	Water	6020B	801918
500-261845-8	MW-35SB_20241217	Total Recoverable	Water	6020B	801918
MB 500-801918/1-A	Method Blank	Total Recoverable	Water	6020B	801918
LCS 500-801918/2-A	Lab Control Sample	Total Recoverable	Water	6020B	801918

Analysis Batch: 802436

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261845-1	PNC-04_20241217	Total Recoverable	Water	SM 2340B	801918
500-261845-3	CBR-02_20241217	Total Recoverable	Water	SM 2340B	801918
500-261845-5	DKC-02_20241217	Total Recoverable	Water	SM 2340B	801918
500-261845-8	MW-35SB_20241217	Total Recoverable	Water	SM 2340B	801918

General Chemistry

Analysis Batch: 800143

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261845-1	PNC-04_20241217	Total/NA	Water	300.0	
500-261845-3	CBR-02_20241217	Total/NA	Water	300.0	
500-261845-5	DKC-02_20241217	Total/NA	Water	300.0	
500-261845-8	MW-35SB_20241217	Total/NA	Water	300.0	
MB 500-800143/3	Method Blank	Total/NA	Water	300.0	
LCS 500-800143/4	Lab Control Sample	Total/NA	Water	300.0	
500-261845-1 MS	PNC-04_20241217	Total/NA	Water	300.0	
500-261845-1 MSD	PNC-04_20241217	Total/NA	Water	300.0	

Analysis Batch: 800144

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261845-1	PNC-04_20241217	Total/NA	Water	300.0	
500-261845-3	CBR-02_20241217	Total/NA	Water	300.0	
500-261845-5	DKC-02_20241217	Total/NA	Water	300.0	
500-261845-8	MW-35SB_20241217	Total/NA	Water	300.0	
MB 500-800144/3	Method Blank	Total/NA	Water	300.0	
LCS 500-800144/4	Lab Control Sample	Total/NA	Water	300.0	
500-261845-1 MS	PNC-04_20241217	Total/NA	Water	300.0	
500-261845-1 MSD	PNC-04_20241217	Total/NA	Water	300.0	

General Chemistry

Analysis Batch: 800402

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261845-1	PNC-04_20241217	Total/NA	Water	SM 2540D	
500-261845-3	CBR-02_20241217	Total/NA	Water	SM 2540D	
500-261845-5	DKC-02_20241217	Total/NA	Water	SM 2540D	
500-261845-8	MW-35SB_20241217	Total/NA	Water	SM 2540D	
MB 500-800402/1	Method Blank	Total/NA	Water	SM 2540D	
LCS 500-800402/2	Lab Control Sample	Total/NA	Water	SM 2540D	

Analysis Batch: 800500

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261845-1	PNC-04_20241217	Total/NA	Water	SM 2540C	
500-261845-3	CBR-02_20241217	Total/NA	Water	SM 2540C	
500-261845-5	DKC-02_20241217	Total/NA	Water	SM 2540C	
500-261845-8	MW-35SB_20241217	Total/NA	Water	SM 2540C	
MB 500-800500/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-800500/2	Lab Control Sample	Total/NA	Water	SM 2540C	
500-261845-1 MS	PNC-04_20241217	Total/NA	Water	SM 2540C	
500-261845-1 DU	PNC-04_20241217	Total/NA	Water	SM 2540C	
500-261845-3 DU	CBR-02_20241217	Total/NA	Water	SM 2540C	

Analysis Batch: 800505

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261845-1	PNC-04_20241217	Total/NA	Water	SM 4500 S2 F	
500-261845-3	CBR-02_20241217	Total/NA	Water	SM 4500 S2 F	
500-261845-5	DKC-02_20241217	Total/NA	Water	SM 4500 S2 F	
500-261845-8	MW-35SB_20241217	Total/NA	Water	SM 4500 S2 F	
MB 500-800505/1	Method Blank	Total/NA	Water	SM 4500 S2 F	
LCS 500-800505/2	Lab Control Sample	Total/NA	Water	SM 4500 S2 F	

Analysis Batch: 800553

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261845-1	PNC-04_20241217	Total/NA	Water	SM 2320B	
500-261845-8	MW-35SB_20241217	Total/NA	Water	SM 2320B	
MB 500-800553/28	Method Blank	Total/NA	Water	SM 2320B	
LCS 500-800553/29	Lab Control Sample	Total/NA	Water	SM 2320B	

Prep Batch: 800592

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261845-1	PNC-04_20241217	Total/NA	Water	Distill/CN	
500-261845-3	CBR-02_20241217	Total/NA	Water	Distill/CN	
500-261845-5	DKC-02_20241217	Total/NA	Water	Distill/CN	
500-261845-8	MW-35SB_20241217	Total/NA	Water	Distill/CN	
MB 500-800592/1-A	Method Blank	Total/NA	Water	Distill/CN	
LCS 500-800592/2-A	Lab Control Sample	Total/NA	Water	Distill/CN	

Analysis Batch: 800633

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261845-1	PNC-04_20241217	Total/NA	Water	335.4	800592
500-261845-3	CBR-02_20241217	Total/NA	Water	335.4	800592
500-261845-5	DKC-02_20241217	Total/NA	Water	335.4	800592
500-261845-8	MW-35SB_20241217	Total/NA	Water	335.4	800592
MB 500-800592/1-A	Method Blank	Total/NA	Water	335.4	800592

General Chemistry (Continued)

Analysis Batch: 800633 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 500-800592/2-A	Lab Control Sample	Total/NA	Water	335.4	800592

Prep Batch: 800754

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261845-1	PNC-04_20241217	Total/NA	Water	365.2/365.3/365	
500-261845-3	CBR-02_20241217	Total/NA	Water	365.2/365.3/365	
500-261845-5	DKC-02_20241217	Total/NA	Water	365.2/365.3/365	
500-261845-8	MW-35SB_20241217	Total/NA	Water	365.2/365.3/365	
MB 500-800754/1-A	Method Blank	Total/NA	Water	365.2/365.3/365	
LCS 500-800754/2-A	Lab Control Sample	Total/NA	Water	365.2/365.3/365	

Analysis Batch: 800995

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261845-1	PNC-04_20241217	Dissolved	Water	SM 5310C	
500-261845-3	CBR-02_20241217	Dissolved	Water	SM 5310C	
500-261845-5	DKC-02_20241217	Dissolved	Water	SM 5310C	
MB 500-800995/31	Method Blank	Dissolved	Water	SM 5310C	
LCS 500-800995/32	Lab Control Sample	Dissolved	Water	SM 5310C	

Analysis Batch: 801026

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261845-3	CBR-02_20241217	Total/NA	Water	SM 2320B	
500-261845-5	DKC-02_20241217	Total/NA	Water	SM 2320B	
MB 500-801026/28	Method Blank	Total/NA	Water	SM 2320B	
MB 500-801026/53	Method Blank	Total/NA	Water	SM 2320B	
LCS 500-801026/4	Lab Control Sample	Total/NA	Water	SM 2320B	

Analysis Batch: 801248

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261845-1	PNC-04_20241217	Total/NA	Water	365.1	800754
500-261845-3	CBR-02_20241217	Total/NA	Water	365.1	800754
500-261845-5	DKC-02_20241217	Total/NA	Water	365.1	800754
500-261845-8	MW-35SB_20241217	Total/NA	Water	365.1	800754
MB 500-800754/1-A	Method Blank	Total/NA	Water	365.1	800754
LCS 500-800754/2-A	Lab Control Sample	Total/NA	Water	365.1	800754

Analysis Batch: 801731

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261845-1	PNC-04_20241217	Total/NA	Water	SM 2520B	
500-261845-3	CBR-02_20241217	Total/NA	Water	SM 2520B	
500-261845-5	DKC-02_20241217	Total/NA	Water	SM 2520B	
500-261845-8	MW-35SB_20241217	Total/NA	Water	SM 2520B	

Analysis Batch: 801887

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261845-1	PNC-04_20241217	Total/NA	Water	SM 5310C	
500-261845-3	CBR-02_20241217	Total/NA	Water	SM 5310C	
500-261845-5	DKC-02_20241217	Total/NA	Water	SM 5310C	
MB 500-801887/7	Method Blank	Total/NA	Water	SM 5310C	
LCS 500-801887/8	Lab Control Sample	Total/NA	Water	SM 5310C	

QC Association Summary

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261845-1

General Chemistry

Prep Batch: 801983

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261845-1	PNC-04_20241217	Total/NA	Water	Distill/Ammonia	
500-261845-3	CBR-02_20241217	Total/NA	Water	Distill/Ammonia	
500-261845-5	DKC-02_20241217	Total/NA	Water	Distill/Ammonia	
500-261845-8	MW-35SB_20241217	Total/NA	Water	Distill/Ammonia	
MB 500-801983/1-A	Method Blank	Total/NA	Water	Distill/Ammonia	
LCS 500-801983/2-A	Lab Control Sample	Total/NA	Water	Distill/Ammonia	

Analysis Batch: 802069

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261845-1	PNC-04_20241217	Total/NA	Water	350.1	801983
500-261845-3	CBR-02_20241217	Total/NA	Water	350.1	801983
500-261845-5	DKC-02_20241217	Total/NA	Water	350.1	801983
500-261845-8	MW-35SB_20241217	Total/NA	Water	350.1	801983
MB 500-801983/1-A	Method Blank	Total/NA	Water	350.1	801983
LCS 500-801983/2-A	Lab Control Sample	Total/NA	Water	350.1	801983

Analysis Batch: 802206

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261845-8	MW-35SB_20241217	Total/NA	Water	SM 5310C	
MB 500-802206/7	Method Blank	Total/NA	Water	SM 5310C	
LCS 500-802206/8	Lab Control Sample	Total/NA	Water	SM 5310C	

Analysis Batch: 802209

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261845-8	MW-35SB_20241217	Dissolved	Water	SM 5310C	
MB 500-802209/7	Method Blank	Dissolved	Water	SM 5310C	
LCS 500-802209/8	Lab Control Sample	Dissolved	Water	SM 5310C	

Method: 1630 - Methyl Mercury

Lab Sample ID: MB 350-4263/1-A
Matrix: Water
Analysis Batch: 4287

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 4263

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		01/03/25 11:31	01/03/25 21:01	1

Lab Sample ID: MB 350-4263/2-A
Matrix: Water
Analysis Batch: 4287

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 4263

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		01/03/25 11:31	01/03/25 21:11	1

Lab Sample ID: MB 350-4263/3-A
Matrix: Water
Analysis Batch: 4287

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 4263

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		01/03/25 11:31	01/03/25 21:22	1

Lab Sample ID: LCS 350-4263/4-A
Matrix: Water
Analysis Batch: 4287

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 4263

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Methyl Mercury	1.00	0.708		ng/L		71	65 - 135

Lab Sample ID: LCSD 350-4263/5-A
Matrix: Water
Analysis Batch: 4287

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 4263

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Methyl Mercury	1.00	0.661		ng/L		66	65 - 135	7	35

Method: 1631E - Mercury, Low Level (CVAFS)

Lab Sample ID: MB 350-4286/19
Matrix: Water
Analysis Batch: 4286

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			01/03/25 15:39	1

Lab Sample ID: MB 350-4286/20
Matrix: Water
Analysis Batch: 4286

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			01/03/25 15:44	1

Method: 1631E - Mercury, Low Level (CVAFS) (Continued)

Lab Sample ID: MB 350-4286/23
Matrix: Water
Analysis Batch: 4286

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			01/03/25 15:56	1

Lab Sample ID: LCS 350-4286/29
Matrix: Water
Analysis Batch: 4286

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	5.00	5.01		ng/L		100	77 - 123

Lab Sample ID: LCSD 350-4286/30
Matrix: Water
Analysis Batch: 4286

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	5.00	4.87		ng/L		97	77 - 123	3	24

Method: 1638 - Metals (ICP/MS)

Lab Sample ID: MB 350-4317/1-A
Matrix: Water
Analysis Batch: 4379

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 4317

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	<0.0098		0.050	0.0098	ug/L		01/07/25 12:01	01/08/25 16:24	1

Lab Sample ID: MB 350-4317/2-A
Matrix: Water
Analysis Batch: 4379

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 4317

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	<0.0098		0.050	0.0098	ug/L		01/07/25 12:01	01/08/25 16:28	1

Lab Sample ID: LCS 350-4317/3-A
Matrix: Water
Analysis Batch: 4379

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 4317

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Uranium	25.0	23.2		ug/L		93	85 - 115

Lab Sample ID: LCSD 350-4317/4-A
Matrix: Water
Analysis Batch: 4379

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 4317

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Uranium	25.0	23.6		ug/L		94	85 - 115	2	20

Method: 1638 - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 350-4318/1-A
Matrix: Water
Analysis Batch: 4389

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 4318

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	<0.0098		0.050	0.0098	ug/L		01/07/25 12:01	01/09/25 10:51	1

Lab Sample ID: MB 350-4318/2-A
Matrix: Water
Analysis Batch: 4379

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 4318

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	<0.0098		0.050	0.0098	ug/L		01/07/25 12:01	01/08/25 18:29	1

Lab Sample ID: LCS 350-4318/3-A
Matrix: Water
Analysis Batch: 4379

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 4318

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Uranium			25.0	22.7		ug/L		91	85 - 115		

Lab Sample ID: LCSD 350-4318/4-A
Matrix: Water
Analysis Batch: 4379

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 4318

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Uranium			25.0	23.0		ug/L		92	85 - 115	1	20

Lab Sample ID: 500-261845-5 MS
Matrix: Water
Analysis Batch: 4379

Client Sample ID: DKC-02_20241217
Prep Type: Total Recoverable
Prep Batch: 4318

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Uranium	0.21		25.0	23.7		ug/L		94	70 - 130		

Lab Sample ID: 500-261845-5 MSD
Matrix: Water
Analysis Batch: 4379

Client Sample ID: DKC-02_20241217
Prep Type: Total Recoverable
Prep Batch: 4318

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Uranium	0.21		25.0	25.2		ug/L		100	70 - 130	6	20

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 500-801918/1-A
Matrix: Water
Analysis Batch: 802387

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 801918

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<25		100	25	ug/L		01/07/25 08:07	01/09/25 14:32	1
Antimony	<1.3		3.0	1.3	ug/L		01/07/25 08:07	01/09/25 14:32	1
Arsenic	<0.23		1.0	0.23	ug/L		01/07/25 08:07	01/09/25 14:32	1
Barium	<0.73		2.5	0.73	ug/L		01/07/25 08:07	01/09/25 14:32	1
Beryllium	<0.53		1.0	0.53	ug/L		01/07/25 08:07	01/09/25 14:32	1
Boron	27.7	J	50	13	ug/L		01/07/25 08:07	01/09/25 14:32	1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 500-801918/1-A
Matrix: Water
Analysis Batch: 802387

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 801918

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	<0.17		0.50	0.17	ug/L		01/07/25 08:07	01/09/25 14:32	1
Calcium	<44		200	44	ug/L		01/07/25 08:07	01/09/25 14:32	1
Chromium	<1.1		5.0	1.1	ug/L		01/07/25 08:07	01/09/25 14:32	1
Cobalt	<0.40		1.0	0.40	ug/L		01/07/25 08:07	01/09/25 14:32	1
Copper	<0.50		2.0	0.50	ug/L		01/07/25 08:07	01/09/25 14:32	1
Iron	<47		100	47	ug/L		01/07/25 08:07	01/09/25 14:32	1
Lead	<0.19		0.50	0.19	ug/L		01/07/25 08:07	01/09/25 14:32	1
Lithium	<2.5		10	2.5	ug/L		01/07/25 08:07	01/09/25 14:32	1
Magnesium	<49		200	49	ug/L		01/07/25 08:07	01/09/25 14:32	1
Manganese	<0.79		2.5	0.79	ug/L		01/07/25 08:07	01/09/25 14:32	1
Molybdenum	<2.5		5.0	2.5	ug/L		01/07/25 08:07	01/09/25 14:32	1
Nickel	<0.63		2.0	0.63	ug/L		01/07/25 08:07	01/09/25 14:32	1
Potassium	<110		500	110	ug/L		01/07/25 08:07	01/09/25 14:32	1
Selenium	<0.98		2.5	0.98	ug/L		01/07/25 08:07	01/09/25 14:32	1
Silver	<0.12		0.50	0.12	ug/L		01/07/25 08:07	01/09/25 14:32	1
Sodium	<77		200	77	ug/L		01/07/25 08:07	01/09/25 14:32	1
Strontium	<0.64		4.0	0.64	ug/L		01/07/25 08:07	01/09/25 14:32	1
Thallium	<0.57		2.0	0.57	ug/L		01/07/25 08:07	01/09/25 14:32	1
Tin	<1.3		5.0	1.3	ug/L		01/07/25 08:07	01/09/25 14:32	1
Vanadium	<2.2		5.0	2.2	ug/L		01/07/25 08:07	01/09/25 14:32	1
Zinc	<6.9		20	6.9	ug/L		01/07/25 08:07	01/09/25 14:32	1

Lab Sample ID: LCS 500-801918/2-A
Matrix: Water
Analysis Batch: 802387

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 801918

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	2000	1930		ug/L		97	80 - 120
Antimony	500	520		ug/L		104	80 - 120
Arsenic	100	97.5		ug/L		97	80 - 120
Barium	500	498		ug/L		100	80 - 120
Beryllium	50.0	49.8		ug/L		100	80 - 120
Boron	1000	1040		ug/L		104	80 - 120
Cadmium	50.0	50.8		ug/L		102	80 - 120
Calcium	10000	8830		ug/L		88	80 - 120
Chromium	200	210		ug/L		105	80 - 120
Cobalt	500	537		ug/L		107	80 - 120
Copper	250	254		ug/L		102	80 - 120
Iron	1000	1050		ug/L		105	80 - 120
Lead	100	101		ug/L		101	80 - 120
Lithium	100	104		ug/L		104	80 - 120
Magnesium	10000	10400		ug/L		104	80 - 120
Manganese	500	523		ug/L		105	80 - 120
Molybdenum	1000	980		ug/L		98	80 - 120
Nickel	500	509		ug/L		102	80 - 120
Potassium	10000	10400		ug/L		104	80 - 120
Selenium	100	97.4		ug/L		97	80 - 120
Silver	50.0	49.7		ug/L		99	80 - 120
Sodium	10000	10300		ug/L		103	80 - 120

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 500-801918/2-A
Matrix: Water
Analysis Batch: 802387

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 801918

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Strontium	1000	974		ug/L		97	80 - 120
Thallium	100	103		ug/L		103	80 - 120
Tin	1000	1010		ug/L		101	80 - 120
Vanadium	500	507		ug/L		101	80 - 120
Zinc	500	503		ug/L		101	80 - 120

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 500-800143/3
Matrix: Water
Analysis Batch: 800143

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	<0.45		1.0	0.45	mg/L			12/19/24 11:05	1
Chloride	<0.42		1.0	0.42	mg/L			12/19/24 11:05	1
Fluoride	<0.43		1.0	0.43	mg/L			12/19/24 11:05	1
Sulfate	<0.47		1.0	0.47	mg/L			12/19/24 11:05	1

Lab Sample ID: LCS 500-800143/4
Matrix: Water
Analysis Batch: 800143

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bromide	20.0	19.0		mg/L		95	90 - 110
Chloride	20.0	19.6		mg/L		98	90 - 110
Fluoride	20.0	20.5		mg/L		102	90 - 110
Sulfate	20.0	20.8		mg/L		104	90 - 110

Lab Sample ID: 500-261845-1 MS
Matrix: Water
Analysis Batch: 800143

Client Sample ID: PNC-04_20241217
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Bromide	<0.45		10.0	10.3		mg/L		103	80 - 120
Chloride	23		10.0	33.3		mg/L		108	80 - 120
Fluoride	<0.43		10.0	9.98		mg/L		100	80 - 120
Sulfate	1.1		10.0	11.2		mg/L		102	80 - 120

Lab Sample ID: 500-261845-1 MSD
Matrix: Water
Analysis Batch: 800143

Client Sample ID: PNC-04_20241217
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Bromide	<0.45		10.0	10.0		mg/L		100	80 - 120	3	20
Chloride	23		10.0	34.2		mg/L		117	80 - 120	3	20
Fluoride	<0.43		10.0	10.3		mg/L		103	80 - 120	3	20
Sulfate	1.1		10.0	12.0		mg/L		110	80 - 120	7	20

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: MB 500-800144/3
Matrix: Water
Analysis Batch: 800144

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	<0.37		1.0	0.37	mg/L			12/19/24 11:05	1
Nitrite as N	<0.25		1.0	0.25	mg/L			12/19/24 11:05	1
Nitrate Nitrite as N	<0.37		1.0	0.37	mg/L			12/19/24 11:05	1

Lab Sample ID: LCS 500-800144/4
Matrix: Water
Analysis Batch: 800144

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate as N	20.0	19.9		mg/L		99	90 - 110
Nitrite as N	20.0	20.1		mg/L		100	90 - 110
Nitrate Nitrite as N	40.0	40.0		mg/L		100	90 - 110

Lab Sample ID: 500-261845-1 MS
Matrix: Water
Analysis Batch: 800144

Client Sample ID: PNC-04_20241217
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate as N	<0.37	H3	2.26	2.23		mg/L		99	80 - 120
Nitrite as N	<0.25	H3	3.03	3.28		mg/L		108	80 - 120
Nitrate Nitrite as N	<0.37	H3	5.29	5.51		mg/L		104	80 - 120

Lab Sample ID: 500-261845-1 MSD
Matrix: Water
Analysis Batch: 800144

Client Sample ID: PNC-04_20241217
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrate as N	<0.37	H3	2.26	2.23		mg/L		99	80 - 120	0	20
Nitrite as N	<0.25	H3	3.03	3.11		mg/L		103	80 - 120	5	20
Nitrate Nitrite as N	<0.37	H3	5.29	5.34		mg/L		101	80 - 120	3	20

Method: 335.4 - Cyanide, Total

Lab Sample ID: MB 500-800592/1-A
Matrix: Water
Analysis Batch: 800633

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 800592

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.0036		0.0050	0.0036	mg/L		12/23/24 10:39	12/23/24 12:32	1

Lab Sample ID: LCS 500-800592/2-A
Matrix: Water
Analysis Batch: 800633

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 800592

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.100	0.101		mg/L		101	90 - 110

Method: 350.1 - Nitrogen, Ammonia

Lab Sample ID: MB 500-801983/1-A
Matrix: Water
Analysis Batch: 802069

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 801983

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	<0.10		0.20	0.10	mg/L		01/07/25 14:11	01/07/25 16:43	1

Lab Sample ID: LCS 500-801983/2-A
Matrix: Water
Analysis Batch: 802069

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 801983

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ammonia	2.00	2.02		mg/L		101	90 - 110

Method: 365.1 - Phosphorus, Total

Lab Sample ID: MB 500-800754/1-A
Matrix: Water
Analysis Batch: 801248

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 800754

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phosphorus as P	<0.024		0.050	0.024	mg/L		12/26/24 10:28	12/31/24 09:43	1

Lab Sample ID: LCS 500-800754/2-A
Matrix: Water
Analysis Batch: 801248

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 800754

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Phosphorus as P	1.00	0.990		mg/L		99	88 - 123

Method: SM 2320B - Alkalinity

Lab Sample ID: MB 500-800553/28
Matrix: Water
Analysis Batch: 800553

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	5.45		5.0	3.7	mg/L			12/21/24 15:47	1
Bicarbonate Alkalinity as CaCO3	5.45		5.0	3.7	mg/L			12/21/24 15:47	1
Carbonate Alkalinity as CaCO3	<3.7		5.0	3.7	mg/L			12/21/24 15:47	1

Lab Sample ID: LCS 500-800553/29
Matrix: Water
Analysis Batch: 800553

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Alkalinity	100	111		mg/L		111	95 - 121

Lab Sample ID: MB 500-801026/28
Matrix: Water
Analysis Batch: 801026

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	<3.7		5.0	3.7	mg/L			12/23/24 13:41	1
Bicarbonate Alkalinity as CaCO3	<3.7		5.0	3.7	mg/L			12/23/24 13:41	1

Method: SM 2320B - Alkalinity (Continued)

Lab Sample ID: MB 500-801026/28
Matrix: Water
Analysis Batch: 801026

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbonate Alkalinity as CaCO3	<3.7		5.0	3.7	mg/L			12/23/24 13:41	1

Lab Sample ID: MB 500-801026/53
Matrix: Water
Analysis Batch: 801026

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	3.92	J	5.0	3.7	mg/L			12/23/24 17:32	1
Bicarbonate Alkalinity as CaCO3	3.92	J	5.0	3.7	mg/L			12/23/24 17:32	1
Carbonate Alkalinity as CaCO3	<3.7		5.0	3.7	mg/L			12/23/24 17:32	1

Lab Sample ID: LCS 500-801026/4
Matrix: Water
Analysis Batch: 801026

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Alkalinity			100	107		mg/L		107	95 - 121		

Method: SM 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 500-800500/1
Matrix: Water
Analysis Batch: 800500

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<4.3		10	4.3	mg/L			12/23/24 01:50	1

Lab Sample ID: LCS 500-800500/2
Matrix: Water
Analysis Batch: 800500

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Dissolved Solids			250	248		mg/L		99	80 - 120		

Lab Sample ID: 500-261845-1 MS
Matrix: Water
Analysis Batch: 800500

Client Sample ID: PNC-04_20241217
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Dissolved Solids	130		250	398		mg/L		107	75 - 125		

Lab Sample ID: 500-261845-1 DU
Matrix: Water
Analysis Batch: 800500

Client Sample ID: PNC-04_20241217
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	130			132		mg/L				2	5

Method: SM 2540C - Solids, Total Dissolved (TDS) (Continued)

Lab Sample ID: 500-261845-3 DU
Matrix: Water
Analysis Batch: 800500

Client Sample ID: CBR-02_20241217
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	88		90.0		mg/L		2	5

Method: SM 2540D - Solids, Total Suspended (TSS)

Lab Sample ID: MB 500-800402/1
Matrix: Water
Analysis Batch: 800402

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	<1.9		5.0	1.9	mg/L			12/20/24 15:17	1

Lab Sample ID: LCS 500-800402/2
Matrix: Water
Analysis Batch: 800402

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Suspended Solids	200	175		mg/L		88	80 - 120

Method: SM 4500 S2 F - Sulfide, Total

Lab Sample ID: MB 500-800505/1
Matrix: Water
Analysis Batch: 800505

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	<0.23		1.0	0.23	mg/L			12/22/24 21:41	1

Lab Sample ID: LCS 500-800505/2
Matrix: Water
Analysis Batch: 800505

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfide	3.76	3.76		mg/L		100	85 - 115

Method: SM 5310C - TOC

Lab Sample ID: MB 500-801887/7
Matrix: Water
Analysis Batch: 801887

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	<0.47		1.0	0.47	mg/L			01/06/25 16:07	1

Lab Sample ID: LCS 500-801887/8
Matrix: Water
Analysis Batch: 801887

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Organic Carbon	10.0	10.3		mg/L		103	86 - 116

Method: SM 5310C - TOC (Continued)

Lab Sample ID: MB 500-802206/7
Matrix: Water
Analysis Batch: 802206

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	<0.47		1.0	0.47	mg/L			01/08/25 13:41	1

Lab Sample ID: LCS 500-802206/8
Matrix: Water
Analysis Batch: 802206

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Organic Carbon	10.0	10.1		mg/L		101	86 - 116

Method: SM 5310C - Organic Carbon, Dissolved (DOC)

Lab Sample ID: MB 500-800995/31
Matrix: Water
Analysis Batch: 800995

Client Sample ID: Method Blank
Prep Type: Dissolved

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon	<0.47		1.0	0.47	mg/L			12/29/24 09:55	1

Lab Sample ID: LCS 500-800995/32
Matrix: Water
Analysis Batch: 800995

Client Sample ID: Lab Control Sample
Prep Type: Dissolved

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Dissolved Organic Carbon	10.0	9.83		mg/L		98	86 - 116

Lab Sample ID: MB 500-802209/7
Matrix: Water
Analysis Batch: 802209

Client Sample ID: Method Blank
Prep Type: Dissolved

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon	<0.47		1.0	0.47	mg/L			01/09/25 07:16	1

Lab Sample ID: LCS 500-802209/8
Matrix: Water
Analysis Batch: 802209

Client Sample ID: Lab Control Sample
Prep Type: Dissolved

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Dissolved Organic Carbon	10.0	10.3		mg/L		103	86 - 116

Lab Chronicle

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261845-1

Client Sample ID: PNC-04_20241217

Lab Sample ID: 500-261845-1

Date Collected: 12/17/24 10:00

Matrix: Water

Date Received: 12/19/24 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	1630			4263	JS	EET SSM	01/03/25 11:31
Dissolved	Analysis	1630		1	4287	CL	EET SSM	01/03/25 23:55
Total/NA	Prep	1630			4263	JS	EET SSM	01/03/25 11:31
Total/NA	Analysis	1630		1	4287	CL	EET SSM	01/03/25 23:44
Dissolved	Analysis	1631E		1	4286	AJD	EET SSM	01/03/25 19:24
Total/NA	Analysis	1631E		1	4286	AJD	EET SSM	01/03/25 19:19
Dissolved	Prep	1638			4317	CL	EET SSM	01/07/25 12:01
Dissolved	Analysis	1638		1	4379	V1R	EET SSM	01/08/25 18:08
Total Recoverable	Prep	1638			4317	CL	EET SSM	01/07/25 12:01
Total Recoverable	Analysis	1638		1	4379	V1R	EET SSM	01/08/25 18:05
Dissolved	Prep	3005A			801918	BDE	EET CHI	01/07/25 08:07 - 01/07/25 14:07 [1]
Dissolved	Analysis	6020B		1	802387	RN	EET CHI	01/09/25 15:40
Total Recoverable	Prep	3005A			801918	BDE	EET CHI	01/07/25 08:07 - 01/07/25 14:07 [1]
Total Recoverable	Analysis	6020B		1	802387	RN	EET CHI	01/09/25 15:02
Total Recoverable	Prep	3005A			801918	BDE	EET CHI	01/07/25 08:07 - 01/07/25 14:07 [1]
Total Recoverable	Analysis	SM 2340B		1	802436	DAJ	EET CHI	01/10/25 09:53
Total/NA	Analysis	300.0		1	800143	MM	EET CHI	12/19/24 12:23
Total/NA	Analysis	300.0		1	800144	MM	EET CHI	12/19/24 12:23
Total/NA	Prep	Distill/CN			800592	AC	EET CHI	12/23/24 10:39 - 12/23/24 11:09 [1]
Total/NA	Analysis	335.4		1	800633	AC	EET CHI	12/23/24 12:40
Total/NA	Prep	Distill/Ammonia			801983	EB	EET CHI	01/07/25 14:11 - 01/07/25 15:11 [1]
Total/NA	Analysis	350.1		1	802069	EB	EET CHI	01/07/25 16:44
Total/NA	Prep	365.2/365.3/365			800754	ST	EET CHI	12/26/24 10:28 - 12/26/24 14:28 [1]
Total/NA	Analysis	365.1		1	801248	KF	EET CHI	12/31/24 09:51
Total/NA	Analysis	SM 2320B		1	800553	SO	EET CHI	12/21/24 16:18
Total/NA	Analysis	SM 2520B		1	801731	TR	EET CHI	01/06/25 08:16
Total/NA	Analysis	SM 2540C		1	800500	CLB	EET CHI	12/23/24 01:55
Total/NA	Analysis	SM 2540D		1	800402	SO	EET CHI	12/20/24 15:26 - 12/20/24 15:27 [1]
Total/NA	Analysis	SM 4500 S2 F		1	800505	CLB	EET CHI	12/22/24 21:54 - 12/22/24 21:59 [1]
Dissolved	Analysis	SM 5310C		1	800995	TR	EET CHI	12/29/24 09:55
Total/NA	Analysis	SM 5310C		1	801887	TR	EET CHI	01/07/25 00:04

Client Sample ID: PNC-04_20241217_FBLL

Lab Sample ID: 500-261845-2

Date Collected: 12/17/24 10:00

Matrix: Water

Date Received: 12/19/24 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	1631E		1	4286	AJD	EET SSM	01/03/25 19:28

Lab Chronicle

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261845-1

Client Sample ID: CBR-02_20241217

Lab Sample ID: 500-261845-3

Date Collected: 12/17/24 13:00

Matrix: Water

Date Received: 12/19/24 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	1630			4263	JS	EET SSM	01/03/25 11:31
Dissolved	Analysis	1630		1	4287	CL	EET SSM	01/04/25 00:15
Total/NA	Prep	1630			4263	JS	EET SSM	01/03/25 11:31
Total/NA	Analysis	1630		1	4287	CL	EET SSM	01/04/25 00:05
Dissolved	Analysis	1631E		1	4286	AJD	EET SSM	01/03/25 19:36
Total/NA	Analysis	1631E		1	4286	AJD	EET SSM	01/03/25 19:32
Dissolved	Prep	1638			4317	CL	EET SSM	01/07/25 12:01
Dissolved	Analysis	1638		1	4379	V1R	EET SSM	01/08/25 18:15
Total Recoverable	Prep	1638			4317	CL	EET SSM	01/07/25 12:01
Total Recoverable	Analysis	1638		1	4379	V1R	EET SSM	01/08/25 18:12
Dissolved	Prep	3005A			801918	BDE	EET CHI	01/07/25 08:07 - 01/07/25 14:07 [1]
Dissolved	Analysis	6020B		1	802387	RN	EET CHI	01/09/25 15:42
Total Recoverable	Prep	3005A			801918	BDE	EET CHI	01/07/25 08:07 - 01/07/25 14:07 [1]
Total Recoverable	Analysis	6020B		1	802387	RN	EET CHI	01/09/25 15:05
Total Recoverable	Prep	3005A			801918	BDE	EET CHI	01/07/25 08:07 - 01/07/25 14:07 [1]
Total Recoverable	Analysis	SM 2340B		1	802436	DAJ	EET CHI	01/10/25 09:53
Total/NA	Analysis	300.0		1	800143	MM	EET CHI	12/19/24 11:36
Total/NA	Analysis	300.0		1	800144	MM	EET CHI	12/19/24 11:36
Total/NA	Prep	Distill/CN			800592	AC	EET CHI	12/23/24 10:39 - 12/23/24 11:09 [1]
Total/NA	Analysis	335.4		1	800633	AC	EET CHI	12/23/24 12:42
Total/NA	Prep	Distill/Ammonia			801983	EB	EET CHI	01/07/25 14:11 - 01/07/25 15:11 [1]
Total/NA	Analysis	350.1		1	802069	EB	EET CHI	01/07/25 16:44
Total/NA	Prep	365.2/365.3/365			800754	ST	EET CHI	12/26/24 10:28 - 12/26/24 14:28 [1]
Total/NA	Analysis	365.1		1	801248	KF	EET CHI	12/31/24 09:51
Total/NA	Analysis	SM 2320B		1	801026	SO	EET CHI	12/23/24 11:04
Total/NA	Analysis	SM 2520B		1	801731	TR	EET CHI	01/06/25 08:16
Total/NA	Analysis	SM 2540C		1	800500	CLB	EET CHI	12/23/24 02:02
Total/NA	Analysis	SM 2540D		1	800402	SO	EET CHI	12/20/24 15:27 - 12/20/24 15:29 [1]
Total/NA	Analysis	SM 4500 S2 F		1	800505	CLB	EET CHI	12/22/24 21:59 - 12/22/24 22:04 [1]
Dissolved	Analysis	SM 5310C		1	800995	TR	EET CHI	12/29/24 09:55
Total/NA	Analysis	SM 5310C		1	801887	TR	EET CHI	01/07/25 00:32

Client Sample ID: CBR-02_20241217_FBLL

Lab Sample ID: 500-261845-4

Date Collected: 12/17/24 13:00

Matrix: Water

Date Received: 12/19/24 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	1631E		1	4286	AJD	EET SSM	01/03/25 19:40

Lab Chronicle

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261845-1

Client Sample ID: DKC-02_20241217

Lab Sample ID: 500-261845-5

Date Collected: 12/17/24 13:10

Matrix: Water

Date Received: 12/19/24 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	1630			4263	JS	EET SSM	01/03/25 11:31
Dissolved	Analysis	1630		1	4287	CL	EET SSM	01/04/25 00:35
Total/NA	Prep	1630			4263	JS	EET SSM	01/03/25 11:31
Total/NA	Analysis	1630		1	4287	CL	EET SSM	01/04/25 00:25
Dissolved	Analysis	1631E		1	4286	AJD	EET SSM	01/03/25 19:48
Total/NA	Analysis	1631E		1	4286	AJD	EET SSM	01/03/25 19:44
Dissolved	Prep	1638			4318	CL	EET SSM	01/07/25 12:01
Dissolved	Analysis	1638		1	4379	V1R	EET SSM	01/08/25 19:07
Total Recoverable	Prep	1638			4318	CL	EET SSM	01/07/25 12:01
Total Recoverable	Analysis	1638		1	4379	V1R	EET SSM	01/08/25 18:39
Dissolved	Prep	3005A			801918	BDE	EET CHI	01/07/25 08:07 - 01/07/25 14:07 [1]
Dissolved	Analysis	6020B		1	802387	RN	EET CHI	01/09/25 15:46
Total Recoverable	Prep	3005A			801918	BDE	EET CHI	01/07/25 08:07 - 01/07/25 14:07 [1]
Total Recoverable	Analysis	6020B		1	802387	RN	EET CHI	01/09/25 15:07
Total Recoverable	Prep	3005A			801918	BDE	EET CHI	01/07/25 08:07 - 01/07/25 14:07 [1]
Total Recoverable	Analysis	SM 2340B		1	802436	DAJ	EET CHI	01/10/25 09:53
Total/NA	Analysis	300.0		1	800143	MM	EET CHI	12/19/24 11:52
Total/NA	Analysis	300.0		1	800144	MM	EET CHI	12/19/24 11:52
Total/NA	Prep	Distill/CN			800592	AC	EET CHI	12/23/24 10:39 - 12/23/24 11:09 [1]
Total/NA	Analysis	335.4		1	800633	AC	EET CHI	12/23/24 12:43
Total/NA	Prep	Distill/Ammonia			801983	EB	EET CHI	01/07/25 14:11 - 01/07/25 15:11 [1]
Total/NA	Analysis	350.1		1	802069	EB	EET CHI	01/07/25 16:45
Total/NA	Prep	365.2/365.3/365			800754	ST	EET CHI	12/26/24 10:28 - 12/26/24 14:28 [1]
Total/NA	Analysis	365.1		1	801248	KF	EET CHI	12/31/24 09:50
Total/NA	Analysis	SM 2320B		1	801026	SO	EET CHI	12/23/24 11:13
Total/NA	Analysis	SM 2520B		1	801731	TR	EET CHI	01/06/25 08:16
Total/NA	Analysis	SM 2540C		1	800500	CLB	EET CHI	12/23/24 02:08
Total/NA	Analysis	SM 2540D		1	800402	SO	EET CHI	12/20/24 15:29 - 12/20/24 15:30 [1]
Total/NA	Analysis	SM 4500 S2 F		1	800505	CLB	EET CHI	12/22/24 22:04 - 12/22/24 22:08 [1]
Dissolved	Analysis	SM 5310C		1	800995	TR	EET CHI	12/29/24 09:55
Total/NA	Analysis	SM 5310C		1	801887	TR	EET CHI	01/07/25 01:00

Client Sample ID: DKC-02_20241217_FBLL

Lab Sample ID: 500-261845-6

Date Collected: 12/17/24 13:10

Matrix: Water

Date Received: 12/19/24 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	1631E		1	4286	AJD	EET SSM	01/03/25 19:53

Lab Chronicle

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261845-1

Client Sample ID: FB-02_20241217_FBLL

Lab Sample ID: 500-261845-7

Date Collected: 12/17/24 16:50
Matrix: Water
Date Received: 12/19/24 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	1631E		1	4286	AJD	EET SSM	01/03/25 20:05

Client Sample ID: MW-35SB_20241217

Lab Sample ID: 500-261845-8

Date Collected: 12/17/24 16:00
Matrix: Water
Date Received: 12/19/24 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	1630			4263	JS	EET SSM	01/03/25 11:31
Dissolved	Analysis	1630		1	4287	CL	EET SSM	01/04/25 01:16
Total/NA	Prep	1630			4263	JS	EET SSM	01/03/25 11:31
Total/NA	Analysis	1630		1	4287	CL	EET SSM	01/04/25 01:06
Dissolved	Analysis	1631E		1	4286	AJD	EET SSM	01/03/25 20:13
Total/NA	Analysis	1631E		1	4286	AJD	EET SSM	01/03/25 20:09
Dissolved	Prep	1638			4318	CL	EET SSM	01/07/25 12:01
Dissolved	Analysis	1638		1	4379	V1R	EET SSM	01/08/25 19:14
Total Recoverable	Prep	1638			4318	CL	EET SSM	01/07/25 12:01
Total Recoverable	Analysis	1638		1	4379	V1R	EET SSM	01/08/25 19:10
Dissolved	Prep	3005A			801918	BDE	EET CHI	01/07/25 08:07 - 01/07/25 14:07 [1]
Dissolved	Analysis	6020B		1	802387	RN	EET CHI	01/09/25 15:49
Total Recoverable	Prep	3005A			801918	BDE	EET CHI	01/07/25 08:07 - 01/07/25 14:07 [1]
Total Recoverable	Analysis	6020B		1	802387	RN	EET CHI	01/09/25 15:10
Total Recoverable	Prep	3005A			801918	BDE	EET CHI	01/07/25 08:07 - 01/07/25 14:07 [1]
Total Recoverable	Analysis	SM 2340B		1	802436	DAJ	EET CHI	01/10/25 09:53
Total/NA	Analysis	300.0		1	800143	MM	EET CHI	12/19/24 12:07
Total/NA	Analysis	300.0		1	800144	MM	EET CHI	12/19/24 12:07
Total/NA	Prep	Distill/CN			800592	AC	EET CHI	12/23/24 10:39 - 12/23/24 11:09 [1]
Total/NA	Analysis	335.4		1	800633	AC	EET CHI	12/23/24 12:45
Total/NA	Prep	Distill/Ammonia			801983	EB	EET CHI	01/07/25 14:11 - 01/07/25 15:11 [1]
Total/NA	Analysis	350.1		1	802069	EB	EET CHI	01/07/25 16:45
Total/NA	Prep	365.2/365.3/365			800754	ST	EET CHI	12/26/24 10:28 - 12/26/24 14:28 [1]
Total/NA	Analysis	365.1		1	801248	KF	EET CHI	12/31/24 09:52
Total/NA	Analysis	SM 2320B		1	800553	SO	EET CHI	12/21/24 16:45
Total/NA	Analysis	SM 2520B		1	801731	TR	EET CHI	01/06/25 08:16
Total/NA	Analysis	SM 2540C		1	800500	CLB	EET CHI	12/23/24 02:10
Total/NA	Analysis	SM 2540D		1	800402	SO	EET CHI	12/20/24 15:30 - 12/20/24 15:32 [1]
Total/NA	Analysis	SM 4500 S2 F		1	800505	CLB	EET CHI	12/22/24 22:08 - 12/22/24 22:13 [1]
Dissolved	Analysis	SM 5310C		1	802209	TR	EET CHI	01/09/25 07:16
Total/NA	Analysis	SM 5310C		1	802206	TR	EET CHI	01/08/25 16:02

Lab Chronicle

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261845-1

Client Sample ID: MW-35SB_20241217_FBLL

Lab Sample ID: 500-261845-9

Date Collected: 12/17/24 16:00

Matrix: Water

Date Received: 12/19/24 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	1631E		1	4286	AJD	EET SSM	01/03/25 20:17

[1] This procedure uses a method stipulated length of time for the process. Both start and end times are displayed.

Laboratory References:

EET CHI = Eurofins Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

EET SSM = Eurofins Seattle Specialty Metals, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

Accreditation/Certification Summary

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-261845-1

Laboratory: Eurofins Chicago

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Georgia	State	N/A	05-31-25
Georgia (DW)	State	939	05-31-25
Hawaii	State	NA	05-31-25
Illinois	NELAP	100201	05-31-25
Indiana	State	C-IL-02	05-31-25
Iowa	State	082	05-01-26
Kansas	NELAP	E-10161	10-31-25
Kentucky (UST)	State	AI # 108083	05-31-25
Kentucky (WW)	State	KY90023	12-31-24 *
Louisiana (All)	NELAP	02046	06-30-25
Mississippi	State	NA	05-31-25
North Carolina (WW/SW)	State	291	12-31-25
North Dakota	State	R-194	04-29-24 *
Oklahoma	State	8908	08-31-24 *
South Carolina	State	77001003	05-31-25
USDA	US Federal Programs	P330-18-00018	03-30-26
Wisconsin	State	999580010	08-31-25
Wyoming	State	8TMS-Q	05-31-25

Laboratory: Eurofins Seattle Specialty Metals

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	20-004	02-19-25
ANAB	Dept. of Defense ELAP	L2236	01-19-25
ANAB	ISO/IEC 17025	L2236	01-19-25
California	State	2954	07-07-25
Florida	NELAP	E87575	06-30-25
Louisiana (All)	NELAP	03073	06-30-25
Maine	State	WA01273	05-02-26
New Jersey	NELAP	WA014	06-30-25
New York	NELAP	11662	04-01-25
Oregon	NELAP	4167-008	07-07-25
US Fish & Wildlife	US Federal Programs	A20571	06-30-25
USDA	US Federal Programs	525-23-4-22573	01-04-26
Washington	State	C788-23a	07-13-25
Wisconsin	State	399133460	07-31-25

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Eurofins Chicago
2417 Bond Street
University Park, IL 60484
Phone (708) 534-5200 Phone (708) 534-5211

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Jacob Dean	Lab PM: Fredrick, Sandie	Carrier Tracking No(s): 4221 9522 2660	COC No: 500-130281-50241 20
Client Contact: Amanda Zeidler	Phone: 906-487-7454	E-Mail: Sandra Fredrick@et eurofinsus com	State of Origin: Michigan	Page: Page 1 of 1
Company: White Pine Copper LLC	PWSID:			Job #: 500-261845
Address: 35362 Mall Circle Drive	Due Date Requested:			
City: White Pine	TAT Requested (days): 10 days			
State, Zip: MI, 49971	Compliance Project: Δ Yes Δ No			
Phone: 906-204-6500	PO #: Purchase Order not required			
Email: AZeidler@whitepinecu com	WO #:			
Project Name: White Pines, MI	Project #: 50023455			
Site: White Pine North Baseline Sampling	SSOW#:			

Analysis Requested

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	350.1 Ammonia, 365.1 Phos	2320B, 2540C, 2540D, 300.0_28D, 300_48HR, SM2520_B	SM4500_S2_F - Sulfide, Total	335.4 - Cyanide, Total	SM5310_DOC_C - Organic Carbon, Dissolved (DOC) - tripli	6020B, SM2340B Total Metals / Hardness	1638 - Uranium only (ICP/MS)	1631E - Mercury, Low Level (CVAFS)	1630_ME - Methyl Mercury	6020B - Dissolved Metals (ICP/MS) - 27 elements	1638 - Dissolved Uranium only (ICP/MS) (field f	1631E - Dissolved Mercury, Low Level (CVAFS) (fi	1630_ME - Dissolved Methyl Mercury (field filtered)	5310C - TOC	Total Number of containers	Special Instructions/Note:
			Preservation Code:				S	N	CB	B	S	D	D	N	A	D	D	N	A	S		
1 PNC-04_20241217	12-17-24	10:00	G	Water			X	X	X	X	X	X	X	X	X	X	X	X	X	X	12	
2 PNC-04_20241217_FBLL	12-17-24	10:00	G	Water										X							2	
3 CBR-02_20241217	12-17-24	13:00	G	Water			X	X	X	X	X	X	X	X	X	X	X	X	X	X	12	
4 CBR-02_20241217_FBLL	12-17-24	13:00	G	Water										X							2	
				Water																		
				Water																		
				Water																		
				Water																		
				Water																		
				Water																		
				Water																		
				Water																		

Preservation Codes:
S H2SO4
N None
CB ZnAcetat
B NaOH
D HNO3
A HCL

500-261845 COC

Other:

Special Instructions/Note:

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested I, II, III, IV, Other (specify)

Special Instructions/QC Requirements MDLs must meet Michigan requirements

Empty Kit Relinquished by:	Date	Time	Method of Shipment: Fedex Priority overnight

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1	Jacob Dean	12-18-24/1400	MSG	4221 9522 2660	12-18-24/1400	Fedex
2		Date/Time:	Company	Stephanie Hernandez	12/19/24 0940	EETA
3		Date/Time:	Company	Received by:	Date/Time	Company

Custody Seals Intact. Δ Yes Δ No | Custody Seal No

Cooler Temperature(s) °C and Other Remarks: 2.2+2.1, 1.7+1.4, 1.9+1.6

Eurofins Chicago
2417 Bond Street
University Park, IL 60484
Phone (708) 534-5200 Phone (708) 534-5211

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Ellen Coppernoll	Lab PM: Fredrick, Sandie	Carrier Tracking No(s): 422195222649	COC No.: 500-130281-50241 40
Client Contact: Amanda Zeidler	Phone: 517 513 2249	E-Mail: Sandra Fredrick@et.eurofinsus.com	State of Origin: Michigan	Page: Page 1 of 1
Company: White Pine Copper LLC	PWSID:			Job #: 500-261845
Address: 35362 Mall Circle Drive	Due Date Requested:			
City: White Pine	TAT Requested (days): 10 days			
State, Zip: MI, 49971	Compliance Project: Δ Yes Δ No			
Phone: 906-204-6500	PO #: Purchase Order not required			
Email: AZeidler@whitepinecu com	WO #:			
Project Name: White Pines, MI	Project #: 50023455			
Site: White Pine North Baseline Sampling	SSOW#:			

Analysis Requested

Preservation Codes:
S H2SO4
N None
CB ZnAcetate/NaOH
B NaOH
D HNO3
A - HCL
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	350.1 Ammonia, 365.1 Phos	2320B, 2540C, 2540D, 300.0_28D, 300_48HR, SM2520_B	SM4500_S2_F - Sulfide, Total	335.4 - Cyanide, Total	SM5310_DOC_C - Organic Carbon, Dissolved (DOC) - tripli	6020B, SM2340B Total Metals / Hardness	1638 - Uranium only (ICP/MS)	1631E - Mercury, Low Level (CVAFS)	1630_ME - Methyl Mercury	6020B - Dissolved Metals (ICP/MS) - 27 elements	1638 - Dissolved Uranium only (ICP/MS) (field f	1631E - Dissolved Mercury, Low Level (CVAFS) (fi	1630_ME - Dissolved Methyl Mercury (field filtered)	5310C - TOC	Total Number of containers	Special Instructions/Note:
			Preservation Code:				S	N	CB	B	S	D	D	N	A	D	D	N	A	S		
5 DXC-02_20241217	12-17-24	1310	G	Water			X	X	X	X	X	X	X	X	X	X	X	X	X	X	22	
6 DXC-02_20241217_FBLL	12-17-24	1310	G	Water										X							2	
7 FB-02_20241217_FBLL	12-17-24	1650	G	Water										X							2	
				Water																		
				Water																		
				Water																		
				Water																		
				Water																		
				Water																		
				Water																		
				Water																		

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested I, [II], III, IV, Other (specify)

Special Instructions/QC Requirements MDLs must meet Michigan requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment: Fedex Priority Overnight

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Ellen	12-18-24 / 1400	MSG	422195222649	12-18-24 / 1400	Fedex
Relinquished by	Date/Time	Company	Received by	Date/Time	Company
			Stephanie Hernandez	12/19/24 0940	EET D
Relinquished by	Date/Time:	Company	Received by	Date/Time	Company

Custody Seals Intact Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks.

Eurofins Chicago
2417 Bond Street
University Park, IL 60484
Phone (708) 534-5200 Phone (708) 534-5211

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: JED CHRESTENSEN	Lab PM: Fredrick, Sandie	Carrier Tracking No(s): 4221 9522 2650	COC No: 500-130281-50241 40
Client Contact: Amanda Zeidler	Phone: 906-281-4726	E-Mail: Sandra Fredrick@et eurofinsus com	State of Origin: Michigan	Page: Page 1 of 1
Company: White Pine Copper LLC	PWSID:			Job #: 500-261845
Address: 35362 Mall Circle Drive	Due Date Requested:			
City: White Pine	TAT Requested (days): 10 days			
State, Zip: MI, 49971	Compliance Project: Δ Yes Δ No			
Phone: 906-204-6500	PO #: Purchase Order not required			
Email: AZeidler@whitepinecu com	WO #:			
Project Name: White Pines, MI	Project #: 50023455			
Site: White Pine North Baseline Sampling	SSOW#:			

Analysis Requested

Preservation Codes: S H2SO4; N None; CB ZnAcetate/NaOH; B NaOH; D HNO3; A - HCL; Other:

	Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	350.1 Ammonia, 365.1 Phos	2320B, 2540C, 2540D, 300.0_28D, 300_48HR, SM2520_B	SM4500_S2_F - Sulfide, Total	335.4 - Cyanide, Total	SM5310_DOC_C - Organic Carbon, Dissolved (DOC) - tripli	6020B, SM2340B Total Metals / Hardness	1638 - Uranium only (ICP/MS)	1631E - Mercury, Low Level (CVAFS)	1630_ME - Methyl Mercury	6020B - Dissolved Metals (ICP/MS) - 27 elements	1638 - Dissolved Uranium only (ICP/MS) (field f	1631E - Dissolved Mercury, Low Level (CVAFS) (fi	1630_ME - Dissolved Methyl Mercury (field filtered)	5310C - TOC	Total Number of containers	Special Instructions/Note:
				Preservation Code:				S	N	CB	B	S	D	D	N	A	D	D	N	A	S		
8	MW-355B_20241217	12-17-24	16:00	G	Water			X	X	X	X	X	X	X	X	X	X	X	X	X	X	22	
9	MW-355B_20241217_FBLL	12-17-24	16:00	G	Water										X							2	
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, ☒ II, III, IV, Other (specify)

Special Instructions/QC Requirements: MDLs must meet Michigan requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment: Priority Overnight

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		12-18-24 / 1400	MSL	4221 9522 2650	12-18-24 / 1400	Fedex
2		Date/Time	Company	Stephanie Hernandez	12/19/24 0940	FEDEX
3		Date/Time	Company	Received by:	Date/Time	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks





500-261845 Waybi


JED CHRESTENSEN
THE MANNIK & SMITH GROUP
616 SHELDEN AVE
SUITE 210
HOUGHTON, MI 49931
UNITED STATES US
SAMPLE R
EUROFINS
2417 BON
UNIVERSITY PARK IL
(708) 534-6200
REF:
INV:
PO:
DEPT
RMA
FedEx
Express
THU - 19 DEC AA
PRIORITY OVERNIGHT
TRK#
0221 4221 9522 2660
XP JOTA
60484
IL-US
ORD
5878720 18Dec2024 CNXA 581G5/49B9/5FE5

Eurofins Chicago
2417 Bond Street
University Park, IL 60484
Phone: 708-534-5200 Fax: 708-534-5211

Chain of Custody Record

eurofins | Environment Testing

1/10/2025

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Fredrick, Sandie	Carrier Tracking No(s): N/A	COC No: 500-196487.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Sandra.Fredrick@et.eurofinsus.com	State of Origin: Michigan	Page: Page 1 of 1
Company: Eurofins Environment Testing Northwest,		Accreditations Required (See note): N/A		Job #: 500-261845-1
Address: 5755 8th Street East, ,	Due Date Requested: 1/13/2025			Preservation Codes:
City: Tacoma	TAT Requested (days): N/A			
State, Zip: WA, 98424				
Phone: 253-922-2310(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: White Pines, MI	Project #: 50023455			
Site: N/A	SSOW#: N/A			

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	1638/1638_Prep_W Uranium only (ICP/MS)	1631E/ Mercury, Low Level (CVAFS)	1630_ME/1630_Dist_PFP Methyl Mercury	1638/FIELD_FLTRD Dissolved Uranium only (ICP/MS) (field f	1631E/FIELD_FLTRD Dissolved Mercury, Low Level (CVAFS) (fi	1630_ME/FIELD_FLTRD Dissolved Methyl Mercury (field filtered								
Preservation Code:																				
PNC-04_20241217 (500-261845-1)	12/17/24	10:00 Eastern	G	Water			X	X	X	X	X	X								8
PNC-04_20241217_FBLL (500-261845-2)	12/17/24	10:00 Eastern	G	Water				X												2
CBR-02_20241217 (500-261845-3)	12/17/24	13:00 Eastern	G	Water			X	X	X	X	X	X								8
CBR-02_20241217_FBLL (500-261845-4)	12/17/24	13:00 Eastern	G	Water				X												2
DKC-02_20241217 (500-261845-5)	12/17/24	13:10 Eastern	G	Water			X	X	X	X	X	X								8
DKC-02_20241217_FBLL (500-261845-6)	12/17/24	13:10 Eastern	G	Water				X												2
FB-02_20241217_FBLL (500-261845-7)	12/17/24	16:50 Eastern	G	Water				X												2
MW-35SB_20241217 (500-261845-8)	12/17/24	16:00 Eastern	G	Water			X	X	X	X	X	X								8
MW-35SB_20241217_FBLL (500-261845-9)	12/17/24	16:00 Eastern	G	Water				X												2

Therm. ID: SC03 Cust. Seal: (Y) / N
Corr./Corr. Temp: 0.1 / 0.0 °C
Delivery: UPS / FedEx / Other:
Type: Blue / Dry / Wet / None
Label Ver.: 4 Packing: B

Therm. ID: SC04 Cust. Seal: (Y) / N
Corr./Corr. Temp: 12.6 / 12.3 °C
Delivery: UPS / FedEx / Other:
Type: Blue / Dry / Wet / None
Label Ver.: 2 Packing: B

Note: Since laboratory accreditations are subject to change, Eurofins Chicago places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Chicago laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Chicago attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Chicago.

Possible Hazard Identification: Unconfirmed 7051 7621 8543	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month): ☐ Return To Client ☐ Disposal By Lab ☐ Archive For ____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1		2024-12-19 16:28			12/20/24 10:30	ESTN
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 10/10/2024

Login Sample Receipt Checklist

Client: White Pine Copper LLC

Job Number: 500-261845-1

Login Number: 261845
List Number: 1
Creator: Hernandez, Stephanie

List Source: Eurofins Chicago

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.1,1.4,1.6
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	False	Refer to Job Narrative for details.
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: White Pine Copper LLC

Job Number: 500-261845-1

Login Number: 261845
List Number: 2
Creator: Miller, Darren R

List Source: Eurofins Seattle Specialty Metals
List Creation: 12/20/24 01:29 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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500-261845 Field Sheet

Date:	12/20/2024
End Time:	15:23
KI Paper Lot:	LA
Analyst:	DBS

Preservative ID	Preservative Type	Container ID
A	Bromine Monochloride (0.2N)	42321
ZZZZZZZZZZZZZZZZZZZZ	ZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZ	ZZZZZZZZZZ
ZZZZZZZZZZZZZZZZZZZZ	ZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZ	ZZZZZZZZZZ
ZZZZZZZZZZZZZZZZZZZZ	ZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZ	ZZZZZZZZZZ
ZZZZZZZZZZZZZZZZZZZZ	ZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZ	ZZZZZZZZZZ

Sample ID	Pres. Used (ID)	Oxidized (Y/N)?	Pres. Vol. (mL)/Percent (%)	Comments
[illegible]	[illegible]	[illegible]	[illegible]	
500-261845-B-1	A	Y	0.8/2	
500-261845-C-1	A	Y	0.8/2	
500-261845-D-1	A	Y	0.8/2	
500-261845-A-2	A	Y	0.8/2	
500-261845-B-2	A	Y	0.8/2	
500-261845-A-3	A	Y	0.8/2	
500-261845-B-3	A	Y	0.8/2	
500-261845-C-3	A	Y	0.8/2	
500-261845-D-3	A	Y	0.8/2	DBS
500-261845-A-4	A	Y	0.8/2	12/20/24
500-261845-B-4	A	Y	0.8/2	
500-261845-A-5	A	Y	0.8/2	
500-261845-B-5	A	Y	0.8/2	
500-261845-C-5	A	Y	0.8/2	
500-261845-D-5	A	Y	0.8/2	
500-261845-A-6	A	Y	0.8/2	
500-261845-B-6	A	Y	0.8/2	
500-261845-A-7	A	Y	0.8/2	
500-261845-B-7	A	Y	0.8/2	
500-261845-A-8	A	Y	0.8/2	
500-261845-B-8	A	Y	0.8/2	
500-261845-C-8	A	Y	0.8/2	
500-261845-D-8	A	Y	0.8/2	
500-261845-A-9	A	Y	0.8/2	
500-261845-B-9	A	Y	0.8/2	

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500-261845 Field Sheet

Date:	12/20/2024
End Time:	1412
pH Paper Lot:	441704
Analyst:	VL

Preservative ID	Preservative Type	Container ID
A	Hydrochloric Acid	na
ZZZZZZZZZZZZZZZ	ZZZZZZZZZZZZZZZZZZZZZZZ	ZZZZZZZZZZ
ZZZZZZZZZZZZZZZ	ZZZZZZZZZZZZZZZZZZZZZZZ	ZZZZZZZZZZ
ZZZZZZZZZZZZZZZ	ZZZZZZZZZZZZZZZZZZZZZZZ	ZZZZZZZZZZ

Sample ID	Initial pH	Final pH	Preservative ID	Preservative Added (mL)	Comments
500-261845-F-5	<2				
500-261845-E-5	<2				
500-261845-E-1	<2				
500-261845-E-8	<2			VL 12/20/24	
500-261845-E-3	<2				
500-261845-F-3	<2				
500-261845-F-1	<2				
500-261845-F-8	<2				

Groundwater and Surface Water Analytical Reports

Eurofins Chicago

March & April 2025

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ANALYTICAL REPORT

PREPARED FOR

Attn: Amanda Zeidler
White Pine Copper LLC
35362 Mall Circle Drive
White Pine, Michigan 49971

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JOB DESCRIPTION

White Pines, MI

JOB NUMBER

500-264438-1

Eurofins Chicago
18410 Crossing Drive
Suite E
Tinley Park IL 60487

See page two for job notes and contact information.

my EOL

Eurofins Chicago

Job Notes

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. This report is confidential and is intended for the sole use of Eurofins Environment Testing North Central, LLC and its client. All questions regarding this report should be directed to the Eurofins Environment Testing North Central, LLC Project Manager who has signed this report.

Results relate only to the items tested and the sample(s) as received by the laboratory. The results, detection limits (LOD) and Quantitation Limits (LOQ) have been adjusted for sample dilutions and/or solids content.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Chicago Project Manager.

Compliance Statement

The LOD and LOQ reported are adjusted by the dilution factor when a dilution factor greater than 1 is needed. Additionally, where results are indicated as being reported on a dry weight basis, the LOD and LOQ are adjusted for moisture content as well.

Definitions of Limits
- LOD = Limit of Detection = MDL as defined by 40 CFR part 136 Appendix B
- LOQ = Limit of Quantitation = 3.33 x LOD as defined by Wisconsin
- RL = Report Limit = a concentration supported by a standard in the calibration curves

Authorization



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Authorized for release by
Sandie Fredrick, Senior Project Manager
Sandra.Fredrick@et.eurofinsus.com
(920)261-1660

Table of Contents

Cover Page 1
Table of Contents 3
Case Narrative 4
Detection Summary 5
Method Summary 15
Sample Summary 16
Client Sample Results 17
Definitions 49
QC Association 50
QC Sample Results 60
Chronicle 78
Certification Summary 87
Chain of Custody 88
Receipt Checklists 96
Field Data Sheets 98

Job ID: 500-264438-1 — Eurofins Chicago

Job Narrative
500-264438-1

Receipt
The samples were received on 2/26/2025 10:10 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 4 coolers at receipt time were 0.0º C, 1.6º C, 2.7º C and 4.8º C.

Receipt Exceptions
The following sample(s) was received outside of holding time: for IC N2 and N3..

Metals
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Field Service / Mobile Lab
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

General Chemistry
Methods 300.0, 9056A: Due to the high concentration of Chloride, the matrix spike / matrix spike duplicate (MS/MSD) for analytical batch 500-807891 could not be evaluated for accuracy and precision. The associated laboratory control sample (LCS) met acceptance criteria.

Methods 300.0, 9056A: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 500-807892 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 300.0: The following samples were received outside of holding time: DKC-01_20250224 (500-264438-1) and ARC-01_20250224 (500-264438-3).

Methods 300.0, 9056A: The following sample(s) was analyzed outside of analytical holding time due to system outages. TBS-01_20250224 (500-264438-5), SBD-01_20250224 (500-264438-7), MW-1AR_20250224 (500-264438-9), MW-1BR_20250224 (500-264438-11), SBW-01_20250224 (500-264438-13) and TBN-01_20250224 (500-264438-15)

Method SM 2540C: The sample duplicate precision for the following sample associated with analytical batch 500-808095 was outside control limits: (500-264438-T-3 DU). The associated Laboratory Control Sample / Laboratory Control Sample Duplicate (LCS/LCSD) precision met acceptance criteria.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264438-1

Client Sample ID: DKC-01_20250224 — Lab Sample ID: 500-264438-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl Mercury	0.041	J B	0.050	0.022	ng/L	1		1630	Total/NA
Mercury	1.8		0.50	0.20	ng/L	1		1631E	Total/NA
Mercury	1.6		0.50	0.20	ng/L	1		1631E	Dissolved
Uranium	0.41		0.050	0.0098	ug/L	1		1638	Total Recoverable
Uranium	0.40		0.050	0.0098	ug/L	1		1638	Dissolved
Aluminum	190		100	25	ug/L	1		6020B	Total Recoverable
Barium	38		2.5	0.73	ug/L	1		6020B	Total Recoverable
Boron	51		50	13	ug/L	1		6020B	Total Recoverable
Calcium	22000		200	44	ug/L	1		6020B	Total Recoverable
Copper	3.2		2.0	0.50	ug/L	1		6020B	Total Recoverable
Iron	300		100	47	ug/L	1		6020B	Total Recoverable
Magnesium	6000		200	49	ug/L	1		6020B	Total Recoverable
Manganese	5.5		2.5	0.79	ug/L	1		6020B	Total Recoverable
Potassium	810		500	110	ug/L	1		6020B	Total Recoverable
Sodium	2100		200	77	ug/L	1		6020B	Total Recoverable
Strontium	51		4.0	0.64	ug/L	1		6020B	Total Recoverable
Aluminum	27	J	100	25	ug/L	1		6020B	Dissolved
Barium	35		2.5	0.73	ug/L	1		6020B	Dissolved
Boron	28	J	50	13	ug/L	1		6020B	Dissolved
Calcium	21000		200	44	ug/L	1		6020B	Dissolved
Copper	2.6		2.0	0.50	ug/L	1		6020B	Dissolved
Iron	130		100	47	ug/L	1		6020B	Dissolved
Magnesium	5900		200	49	ug/L	1		6020B	Dissolved
Manganese	4.4		2.5	0.79	ug/L	1		6020B	Dissolved
Potassium	830		500	110	ug/L	1		6020B	Dissolved
Selenium	1.2	J	2.5	0.98	ug/L	1		6020B	Dissolved
Sodium	2100		200	77	ug/L	1		6020B	Dissolved
Strontium	51		4.0	0.64	ug/L	1		6020B	Dissolved
Hardness as calcium carbonate	79		0.91	0.46	mg/L	1		SM 2340B	Total Recoverable
Chloride	0.53	J	1.0	0.42	mg/L	1		300.0	Total/NA
Sulfate	3.5		1.0	0.47	mg/L	1		300.0	Total/NA
Alkalinity	75		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	75		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	70		10	4.3	mg/L	1		SM 2540C	Total/NA
Total Organic Carbon	5.3		1.0	0.47	mg/L	1		SM 5310C	Total/NA
Dissolved Organic Carbon	5.1		1.0	0.47	mg/L	1		SM 5310C	Dissolved

Client Sample ID: DKC-01_20250224_FBLL — Lab Sample ID: 500-264438-2

No Detections.

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264438-1

Client Sample ID: ARC-01_20250224

Lab Sample ID: 500-264438-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl Mercury	0.30	B	0.050	0.022	ng/L	1		1630	Total/NA
Methyl Mercury	0.19	B	0.050	0.022	ng/L	1		1630	Dissolved
Mercury	2.9		0.50	0.20	ng/L	1		1631E	Total/NA
Mercury	2.3		0.50	0.20	ng/L	1		1631E	Dissolved
Uranium	0.039	J	0.050	0.0098	ug/L	1		1638	Total Recoverable
Uranium	0.027	J	0.050	0.0098	ug/L	1		1638	Dissolved
Aluminum	230		100	25	ug/L	1		6020B	Total Recoverable
Barium	15		2.5	0.73	ug/L	1		6020B	Total Recoverable
Boron	25	J	50	13	ug/L	1		6020B	Total Recoverable
Calcium	12000		200	44	ug/L	1		6020B	Total Recoverable
Copper	4.5		2.0	0.50	ug/L	1		6020B	Total Recoverable
Iron	490		100	47	ug/L	1		6020B	Total Recoverable
Magnesium	2900		200	49	ug/L	1		6020B	Total Recoverable
Manganese	7.2		2.5	0.79	ug/L	1		6020B	Total Recoverable
Potassium	1100		500	110	ug/L	1		6020B	Total Recoverable
Sodium	1100		200	77	ug/L	1		6020B	Total Recoverable
Strontium	28		4.0	0.64	ug/L	1		6020B	Total Recoverable
Aluminum	52	J	100	25	ug/L	1		6020B	Dissolved
Barium	13		2.5	0.73	ug/L	1		6020B	Dissolved
Boron	15	J	50	13	ug/L	1		6020B	Dissolved
Calcium	11000		200	44	ug/L	1		6020B	Dissolved
Copper	3.7		2.0	0.50	ug/L	1		6020B	Dissolved
Iron	180		100	47	ug/L	1		6020B	Dissolved
Magnesium	2800		200	49	ug/L	1		6020B	Dissolved
Manganese	5.0		2.5	0.79	ug/L	1		6020B	Dissolved
Potassium	1000		500	110	ug/L	1		6020B	Dissolved
Selenium	1.0	J	2.5	0.98	ug/L	1		6020B	Dissolved
Sodium	1100		200	77	ug/L	1		6020B	Dissolved
Strontium	28		4.0	0.64	ug/L	1		6020B	Dissolved
Hardness as calcium carbonate	41		0.91	0.46	mg/L	1		SM 2340B	Total Recoverable
Chloride	0.60	J	1.0	0.42	mg/L	1		300.0	Total/NA
Sulfate	1.9		1.0	0.47	mg/L	1		300.0	Total/NA
Alkalinity	39		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	39		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	36		10	4.3	mg/L	1		SM 2540C	Total/NA
Sulfide	0.40	J	1.0	0.23	mg/L	1		SM 4500 S2 F	Total/NA
Total Organic Carbon	6.4		1.0	0.47	mg/L	1		SM 5310C	Total/NA
Dissolved Organic Carbon	6.1		1.0	0.47	mg/L	1		SM 5310C	Dissolved

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264438-1

Client Sample ID: ARC-01_20250224_FBLL — Lab Sample ID: 500-264438-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	0.22	J	0.50	0.20	ng/L	1		1631E	Total/NA

Client Sample ID: TBS-01_20250224 — Lab Sample ID: 500-264438-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	1.0		0.50	0.20	ng/L	1		1631E	Total/NA
Mercury	1.0		0.50	0.20	ng/L	1		1631E	Dissolved
Uranium	0.83		0.050	0.0098	ug/L	1		1638	Total Recoverable
Uranium	0.80		0.050	0.0098	ug/L	1		1638	Dissolved
Arsenic	0.72	J	1.0	0.23	ug/L	1		6020B	Total Recoverable
Barium	84		2.5	0.73	ug/L	1		6020B	Total Recoverable
Boron	170		50	13	ug/L	1		6020B	Total Recoverable
Calcium	83000		200	44	ug/L	1		6020B	Total Recoverable
Copper	28		2.0	0.50	ug/L	1		6020B	Total Recoverable
Iron	56	J	100	47	ug/L	1		6020B	Total Recoverable
Lithium	28		10	2.5	ug/L	1		6020B	Total Recoverable
Magnesium	12000		200	49	ug/L	1		6020B	Total Recoverable
Manganese	36		2.5	0.79	ug/L	1		6020B	Total Recoverable
Molybdenum	13		5.0	2.5	ug/L	1		6020B	Total Recoverable
Potassium	5600		500	110	ug/L	1		6020B	Total Recoverable
Sodium	33000		200	77	ug/L	1		6020B	Total Recoverable
Strontium	660		4.0	0.64	ug/L	1		6020B	Total Recoverable
Arsenic	0.69	J	1.0	0.23	ug/L	1		6020B	Dissolved
Barium	82		2.5	0.73	ug/L	1		6020B	Dissolved
Boron	160		50	13	ug/L	1		6020B	Dissolved
Calcium	84000		200	44	ug/L	1		6020B	Dissolved
Copper	25		2.0	0.50	ug/L	1		6020B	Dissolved
Lithium	26		10	2.5	ug/L	1		6020B	Dissolved
Magnesium	12000		200	49	ug/L	1		6020B	Dissolved
Manganese	5.1		2.5	0.79	ug/L	1		6020B	Dissolved
Molybdenum	13		5.0	2.5	ug/L	1		6020B	Dissolved
Potassium	5500		500	110	ug/L	1		6020B	Dissolved
Selenium	1.2	J	2.5	0.98	ug/L	1		6020B	Dissolved
Sodium	32000		200	77	ug/L	1		6020B	Dissolved
Strontium	640		4.0	0.64	ug/L	1		6020B	Dissolved
Hardness as calcium carbonate	260		0.91	0.46	mg/L	1		SM 2340B	Total Recoverable
Bromide	0.59	J	1.0	0.45	mg/L	1		300.0	Total/NA
Chloride	75		1.0	0.42	mg/L	1		300.0	Total/NA
Sulfate	17		1.0	0.47	mg/L	1		300.0	Total/NA
Ammonia	0.21		0.20	0.10	mg/L	1		350.1	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: TBS-01_20250224 (Continued) — Lab Sample ID: 500-264438-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Alkalinity	170		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	170		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	350		10	4.3	mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	3.2	J	5.0	1.9	mg/L	1		SM 2540D	Total/NA
Total Organic Carbon	9.6		1.0	0.47	mg/L	1		SM 5310C	Total/NA
Dissolved Organic Carbon	9.2		1.0	0.47	mg/L	1		SM 5310C	Dissolved

Client Sample ID: TBS-01_20250224_FBLL — Lab Sample ID: 500-264438-6

No Detections.

Client Sample ID: SBD-01_20250224 — Lab Sample ID: 500-264438-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl Mercury	0.57	B	0.050	0.022	ng/L	1		1630	Total/NA
Methyl Mercury	0.32	B	0.050	0.022	ng/L	1		1630	Dissolved
Mercury	1.5		0.50	0.20	ng/L	1		1631E	Total/NA
Mercury	0.91		0.50	0.20	ng/L	1		1631E	Dissolved
Uranium	0.35		0.050	0.0098	ug/L	1		1638	Total Recoverable
Uranium	0.28		0.050	0.0098	ug/L	1		1638	Dissolved
Aluminum	730		100	25	ug/L	1		6020B	Total Recoverable
Arsenic	0.78	J	1.0	0.23	ug/L	1		6020B	Total Recoverable
Barium	67		2.5	0.73	ug/L	1		6020B	Total Recoverable
Boron	47	J	50	13	ug/L	1		6020B	Total Recoverable
Calcium	42000		200	44	ug/L	1		6020B	Total Recoverable
Chromium	1.1	J	5.0	1.1	ug/L	1		6020B	Total Recoverable
Cobalt	0.63	J	1.0	0.40	ug/L	1		6020B	Total Recoverable
Copper	4.9		2.0	0.50	ug/L	1		6020B	Total Recoverable
Iron	4100		100	47	ug/L	1		6020B	Total Recoverable
Lead	0.32	J	0.50	0.19	ug/L	1		6020B	Total Recoverable
Lithium	9.1	J	10	2.5	ug/L	1		6020B	Total Recoverable
Magnesium	8100		200	49	ug/L	1		6020B	Total Recoverable
Manganese	330		2.5	0.79	ug/L	1		6020B	Total Recoverable
Molybdenum	7.8		5.0	2.5	ug/L	1		6020B	Total Recoverable
Nickel	0.95	J	2.0	0.63	ug/L	1		6020B	Total Recoverable
Potassium	2800		500	110	ug/L	1		6020B	Total Recoverable
Sodium	7500		200	77	ug/L	1		6020B	Total Recoverable
Strontium	190		4.0	0.64	ug/L	1		6020B	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client Sample ID: SBD-01_20250224 (Continued) — Lab Sample ID: 500-264438-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.59	J	1.0	0.23	ug/L	1		6020B	Dissolved
Barium	56		2.5	0.73	ug/L	1		6020B	Dissolved
Boron	42	J	50	13	ug/L	1		6020B	Dissolved
Calcium	43000		200	44	ug/L	1		6020B	Dissolved
Copper	1.1	J	2.0	0.50	ug/L	1		6020B	Dissolved
Iron	2700		100	47	ug/L	1		6020B	Dissolved
Lithium	8.2	J	10	2.5	ug/L	1		6020B	Dissolved
Magnesium	7900		200	49	ug/L	1		6020B	Dissolved
Manganese	440		2.5	0.79	ug/L	1		6020B	Dissolved
Molybdenum	8.9		5.0	2.5	ug/L	1		6020B	Dissolved
Potassium	2600		500	110	ug/L	1		6020B	Dissolved
Sodium	7500		200	77	ug/L	1		6020B	Dissolved
Strontium	190		4.0	0.64	ug/L	1		6020B	Dissolved
Hardness as calcium carbonate	140		0.91	0.46	mg/L	1		SM 2340B	Total Recoverable
Nitrate as N	3.3	H	1.0	0.37	mg/L	1		300.0	Total/NA
Chloride	8.3		1.0	0.42	mg/L	1		300.0	Total/NA
Nitrate Nitrite as N	3.3	H	1.0	0.37	mg/L	1		300.0	Total/NA
Sulfate	3.0		1.0	0.47	mg/L	1		300.0	Total/NA
Ammonia	0.17	J	0.20	0.10	mg/L	1		350.1	Total/NA
Alkalinity	120		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	120		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	150		10	4.3	mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	37		8.3	3.2	mg/L	1		SM 2540D	Total/NA
Total Organic Carbon	10		1.0	0.47	mg/L	1		SM 5310C	Total/NA
Dissolved Organic Carbon	10		1.0	0.47	mg/L	1		SM 5310C	Dissolved

Client Sample ID: SBD-01_20250224_FBLL — Lab Sample ID: 500-264438-8

No Detections.

Client Sample ID: MW-1AR_20250224 — Lab Sample ID: 500-264438-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	2.5		0.50	0.20	ng/L	1		1631E	Total/NA
Mercury	0.86		0.50	0.20	ng/L	1		1631E	Dissolved
Uranium	15		0.050	0.0098	ug/L	1		1638	Total Recoverable
Uranium	19		0.050	0.0098	ug/L	1		1638	Dissolved
Aluminum	240		100	25	ug/L	1		6020B	Total Recoverable
Arsenic	0.88	J	1.0	0.23	ug/L	1		6020B	Total Recoverable
Barium	54		2.5	0.73	ug/L	1		6020B	Total Recoverable
Boron	770		50	13	ug/L	1		6020B	Total Recoverable
Calcium	42000		200	44	ug/L	1		6020B	Total Recoverable
Copper	2.3		2.0	0.50	ug/L	1		6020B	Total Recoverable
Iron	210		100	47	ug/L	1		6020B	Total Recoverable
Lithium	7.8	J	10	2.5	ug/L	1		6020B	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-1AR_20250224 (Continued) — Lab Sample ID: 500-264438-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Magnesium	16000		200	49	ug/L	1		6020B	Total Recoverable
Manganese	29		2.5	0.79	ug/L	1		6020B	Total Recoverable
Molybdenum	29		5.0	2.5	ug/L	1		6020B	Total Recoverable
Potassium	3000		500	110	ug/L	1		6020B	Total Recoverable
Sodium	88000		200	77	ug/L	1		6020B	Total Recoverable
Strontium	610		4.0	0.64	ug/L	1		6020B	Total Recoverable
Vanadium	2.2	J	5.0	2.2	ug/L	1		6020B	Total Recoverable
Arsenic	0.46	J	1.0	0.23	ug/L	1		6020B	Dissolved
Barium	45		2.5	0.73	ug/L	1		6020B	Dissolved
Boron	730		50	13	ug/L	1		6020B	Dissolved
Calcium	38000		200	44	ug/L	1		6020B	Dissolved
Chromium	1.1	J	5.0	1.1	ug/L	1		6020B	Dissolved
Copper	0.54	J	2.0	0.50	ug/L	1		6020B	Dissolved
Lithium	6.7	J	10	2.5	ug/L	1		6020B	Dissolved
Magnesium	15000		200	49	ug/L	1		6020B	Dissolved
Molybdenum	30		5.0	2.5	ug/L	1		6020B	Dissolved
Potassium	3000		500	110	ug/L	1		6020B	Dissolved
Selenium	1.1	J	2.5	0.98	ug/L	1		6020B	Dissolved
Sodium	84000		200	77	ug/L	1		6020B	Dissolved
Strontium	580		4.0	0.64	ug/L	1		6020B	Dissolved
Hardness as calcium carbonate	170		0.91	0.46	mg/L	1		SM 2340B	Total Recoverable
Bromide	0.65	J	1.0	0.45	mg/L	1		300.0	Total/NA
Chloride	63		1.0	0.42	mg/L	1		300.0	Total/NA
Sulfate	57		1.0	0.47	mg/L	1		300.0	Total/NA
Phosphorus as P	0.12		0.050	0.024	mg/L	1		365.1	Total/NA
Alkalinity	180		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	180		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	360		10	4.3	mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	68		10	3.9	mg/L	1		SM 2540D	Total/NA
Total Organic Carbon	0.96	J	1.0	0.47	mg/L	1		SM 5310C	Total/NA
Dissolved Organic Carbon	1.3		1.0	0.47	mg/L	1		SM 5310C	Dissolved

Client Sample ID: MW-1AR_20250224_FBLL — Lab Sample ID: 500-264438-10

No Detections.

Client Sample ID: MW-1BR_20250224 — Lab Sample ID: 500-264438-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Uranium	5.0		0.050	0.0098	ug/L	1		1638	Total Recoverable
Uranium	4.9		0.050	0.0098	ug/L	1		1638	Dissolved
Arsenic	3.8		1.0	0.23	ug/L	1		6020B	Total Recoverable
Barium	100		2.5	0.73	ug/L	1		6020B	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-1BR_20250224 (Continued) — Lab Sample ID: 500-264438-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Boron	1500		50	13	ug/L	1		6020B	Total Recoverable
Calcium	61000		200	44	ug/L	1		6020B	Total Recoverable
Copper	0.57	J	2.0	0.50	ug/L	1		6020B	Total Recoverable
Lithium	40		10	2.5	ug/L	1		6020B	Total Recoverable
Magnesium	10000		200	49	ug/L	1		6020B	Total Recoverable
Manganese	33		2.5	0.79	ug/L	1		6020B	Total Recoverable
Molybdenum	4.7	J	5.0	2.5	ug/L	1		6020B	Total Recoverable
Potassium	3700		500	110	ug/L	1		6020B	Total Recoverable
Sodium	85000		200	77	ug/L	1		6020B	Total Recoverable
Strontium	1100		4.0	0.64	ug/L	1		6020B	Total Recoverable
Arsenic	3.6		1.0	0.23	ug/L	1		6020B	Dissolved
Barium	96		2.5	0.73	ug/L	1		6020B	Dissolved
Boron	1500		50	13	ug/L	1		6020B	Dissolved
Calcium	58000		200	44	ug/L	1		6020B	Dissolved
Copper	0.71	J	2.0	0.50	ug/L	1		6020B	Dissolved
Lithium	39		10	2.5	ug/L	1		6020B	Dissolved
Magnesium	9500		200	49	ug/L	1		6020B	Dissolved
Manganese	30		2.5	0.79	ug/L	1		6020B	Dissolved
Molybdenum	4.4	J	5.0	2.5	ug/L	1		6020B	Dissolved
Potassium	3600		500	110	ug/L	1		6020B	Dissolved
Sodium	83000		200	77	ug/L	1		6020B	Dissolved
Strontium	1000		4.0	0.64	ug/L	1		6020B	Dissolved
Hardness as calcium carbonate	190		0.91	0.46	mg/L	1		SM 2340B	Total Recoverable
Bromide	0.93	J	1.0	0.45	mg/L	1		300.0	Total/NA
Chloride	92		1.0	0.42	mg/L	1		300.0	Total/NA
Sulfate	39		1.0	0.47	mg/L	1		300.0	Total/NA
Alkalinity	180		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	180		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	390		10	4.3	mg/L	1		SM 2540C	Total/NA
Total Organic Carbon	0.87	J	1.0	0.47	mg/L	1		SM 5310C	Total/NA
Dissolved Organic Carbon	1.5		1.0	0.47	mg/L	1		SM 5310C	Dissolved

Client Sample ID: MW-1BR_20250224_FBLL — Lab Sample ID: 500-264438-12

No Detections.

Client Sample ID: SBW-01_20250224 — Lab Sample ID: 500-264438-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl Mercury	0.14	B	0.050	0.022	ng/L	1		1630	Total/NA
Methyl Mercury	0.088	B	0.050	0.022	ng/L	1		1630	Dissolved
Mercury	1.6		0.50	0.20	ng/L	1		1631E	Total/NA
Mercury	1.3		0.50	0.20	ng/L	1		1631E	Dissolved

This Detection Summary does not include radiochemical test results.

Client Sample ID: SBW-01_20250224 (Continued)

Lab Sample ID: 500-264438-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Uranium	0.18		0.050	0.0098	ug/L	1		1638	Total Recoverable
Uranium	0.17		0.050	0.0098	ug/L	1		1638	Dissolved
Aluminum	58	J	100	25	ug/L	1		6020B	Total Recoverable
Arsenic	0.42	J	1.0	0.23	ug/L	1		6020B	Total Recoverable
Barium	47		2.5	0.73	ug/L	1		6020B	Total Recoverable
Boron	42	J	50	13	ug/L	1		6020B	Total Recoverable
Calcium	46000		200	44	ug/L	1		6020B	Total Recoverable
Copper	4.5		2.0	0.50	ug/L	1		6020B	Total Recoverable
Iron	1100		100	47	ug/L	1		6020B	Total Recoverable
Lithium	3.6	J	10	2.5	ug/L	1		6020B	Total Recoverable
Magnesium	9300		200	49	ug/L	1		6020B	Total Recoverable
Manganese	510		2.5	0.79	ug/L	1		6020B	Total Recoverable
Molybdenum	11		5.0	2.5	ug/L	1		6020B	Total Recoverable
Potassium	1800		500	110	ug/L	1		6020B	Total Recoverable
Sodium	8500		200	77	ug/L	1		6020B	Total Recoverable
Strontium	110		4.0	0.64	ug/L	1		6020B	Total Recoverable
Arsenic	0.50	J	1.0	0.23	ug/L	1		6020B	Dissolved
Barium	66		2.5	0.73	ug/L	1		6020B	Dissolved
Boron	77		50	13	ug/L	1		6020B	Dissolved
Calcium	69000		200	44	ug/L	1		6020B	Dissolved
Cobalt	0.53	J	1.0	0.40	ug/L	1		6020B	Dissolved
Copper	0.55	J	2.0	0.50	ug/L	1		6020B	Dissolved
Iron	330		100	47	ug/L	1		6020B	Dissolved
Lithium	5.4	J	10	2.5	ug/L	1		6020B	Dissolved
Magnesium	14000		200	49	ug/L	1		6020B	Dissolved
Manganese	820		2.5	0.79	ug/L	1		6020B	Dissolved
Molybdenum	24		5.0	2.5	ug/L	1		6020B	Dissolved
Potassium	2300		500	110	ug/L	1		6020B	Dissolved
Sodium	16000		200	77	ug/L	1		6020B	Dissolved
Strontium	180		4.0	0.64	ug/L	1		6020B	Dissolved
Hardness as calcium carbonate	150		0.91	0.46	mg/L	1		SM 2340B	Total Recoverable
Chloride	3.9		1.0	0.42	mg/L	1		300.0	Total/NA
Sulfate	1.6		1.0	0.47	mg/L	1		300.0	Total/NA
Alkalinity	130		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	130		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	150		10	4.3	mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	7.6		5.0	1.9	mg/L	1		SM 2540D	Total/NA
Total Organic Carbon	11		1.0	0.47	mg/L	1		SM 5310C	Total/NA
Dissolved Organic Carbon	10		1.0	0.47	mg/L	1		SM 5310C	Dissolved

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264438-1

Client Sample ID: SBW-01_20250224_FBLL — Lab Sample ID: 500-264438-14

No Detections.

Client Sample ID: TBN-01_20250224 — Lab Sample ID: 500-264438-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	20		0.50	0.20	ng/L	1		1631E	Total/NA
Mercury	8.3		0.50	0.20	ng/L	1		1631E	Dissolved
Uranium	0.67		0.050	0.0098	ug/L	1		1638	Total Recoverable
Uranium	0.63		0.050	0.0098	ug/L	1		1638	Dissolved
Aluminum	89	J	100	25	ug/L	1		6020B	Total Recoverable
Arsenic	2.1		1.0	0.23	ug/L	1		6020B	Total Recoverable
Barium	63		2.5	0.73	ug/L	1		6020B	Total Recoverable
Boron	180	B	50	13	ug/L	1		6020B	Total Recoverable
Calcium	67000		200	44	ug/L	1		6020B	Total Recoverable
Copper	87		2.0	0.50	ug/L	1		6020B	Total Recoverable
Iron	160		100	47	ug/L	1		6020B	Total Recoverable
Lead	0.42	J	0.50	0.19	ug/L	1		6020B	Total Recoverable
Lithium	28		10	2.5	ug/L	1		6020B	Total Recoverable
Magnesium	7500		200	49	ug/L	1		6020B	Total Recoverable
Manganese	32		2.5	0.79	ug/L	1		6020B	Total Recoverable
Molybdenum	14		5.0	2.5	ug/L	1		6020B	Total Recoverable
Potassium	4200		500	110	ug/L	1		6020B	Total Recoverable
Selenium	1.3	J	2.5	0.98	ug/L	1		6020B	Total Recoverable
Sodium	35000		200	77	ug/L	1		6020B	Total Recoverable
Strontium	680		4.0	0.64	ug/L	1		6020B	Total Recoverable
Arsenic	2.2		1.0	0.23	ug/L	1		6020B	Dissolved
Barium	61		2.5	0.73	ug/L	1		6020B	Dissolved
Boron	160	B	50	13	ug/L	1		6020B	Dissolved
Calcium	65000		200	44	ug/L	1		6020B	Dissolved
Copper	46		2.0	0.50	ug/L	1		6020B	Dissolved
Lithium	27		10	2.5	ug/L	1		6020B	Dissolved
Magnesium	7300		200	49	ug/L	1		6020B	Dissolved
Manganese	26		2.5	0.79	ug/L	1		6020B	Dissolved
Molybdenum	14		5.0	2.5	ug/L	1		6020B	Dissolved
Potassium	4100		500	110	ug/L	1		6020B	Dissolved
Selenium	1.5	J	2.5	0.98	ug/L	1		6020B	Dissolved
Sodium	35000		200	77	ug/L	1		6020B	Dissolved
Strontium	660		4.0	0.64	ug/L	1		6020B	Dissolved
Hardness as calcium carbonate	200		0.91	0.46	mg/L	1		SM 2340B	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client Sample ID: TBN-01_20250224 (Continued)

Lab Sample ID: 500-264438-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Bromide	0.61	J	1.0	0.45	mg/L	1		300.0	Total/NA
Chloride	77		1.0	0.42	mg/L	1		300.0	Total/NA
Sulfate	28		1.0	0.47	mg/L	1		300.0	Total/NA
Alkalinity	93		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	93		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	320		10	4.3	mg/L	1		SM 2540C	Total/NA
Total Organic Carbon	3.9		1.0	0.47	mg/L	1		SM 5310C	Total/NA
Dissolved Organic Carbon	3.6		1.0	0.47	mg/L	1		SM 5310C	Dissolved

Client Sample ID: TBN-01_20250224_FBLL

Lab Sample ID: 500-264438-16

No Detections.

This Detection Summary does not include radiochemical test results.

Method Summary

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264438-1

Method	Method Description	Protocol	Laboratory
1630	Methyl Mercury	EPA	EET SSM
1631E	Mercury, Low Level (CVAFS)	EPA	EET SSM
1638	Metals (ICP/MS)	EPA	EET SSM
6020B	Metals (ICP/MS)	SW846	EET CHI
SM 2340B	Total Hardness (as CaCO3) by calculation	SM	EET CHI
300.0	Anions, Ion Chromatography	EPA	EET CHI
335.4	Cyanide, Total	EPA	EET CHI
350.1	Nitrogen, Ammonia	EPA	EET CHI
365.1	Phosphorus, Total	EPA	EET CHI
SM 2320B	Alkalinity	SM	EET CHI
SM 2520B	Salinity	SM	EET CHI
SM 2540C	Solids, Total Dissolved (TDS)	SM	EET CHI
SM 2540D	Solids, Total Suspended (TSS)	SM	EET CHI
SM 4500 S2 F	Sulfide, Total	SM	EET CHI
SM 5310C	Organic Carbon, Dissolved (DOC)	SM	EET CHI
SM 5310C	TOC	SM	EET CHI
1630	Distillation, Methyl Mercury	EPA	EET SSM
1638	Preparation, Total Recoverable Metals	EPA	EET SSM
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET CHI
365.2/365.3/365	Phosphorus, Total	EPA	EET CHI
Distill/Ammonia	Distillation, Ammonia	None	EET CHI
Distill/CN	Distillation, Cyanide	None	EET CHI

Protocol References:

EPA = US Environmental Protection Agency

None = None

SM = "Standard Methods For The Examination Of Water And Wastewater"

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET CHI = Eurofins Chicago, 18410 Crossing Drive, Suite E, Tinley Park, IL 60487, TEL (708)534-5200

EET SSM = Eurofins Seattle Specialty Metals, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

Sample Summary

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264438-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-264438-1	DKC-01_20250224	Water	02/24/25 10:30	02/26/25 10:10
500-264438-2	DKC-01_20250224_FBLL	Water	02/24/25 10:30	02/26/25 10:10
500-264438-3	ARC-01_20250224	Water	02/24/25 08:30	02/26/25 10:10
500-264438-4	ARC-01_20250224_FBLL	Water	02/24/25 08:30	02/26/25 10:10
500-264438-5	TBS-01_20250224	Water	02/24/25 12:30	02/26/25 10:10
500-264438-6	TBS-01_20250224_FBLL	Water	02/24/25 12:30	02/26/25 10:10
500-264438-7	SBD-01_20250224	Water	02/24/25 13:30	02/26/25 10:10
500-264438-8	SBD-01_20250224_FBLL	Water	02/24/25 13:30	02/26/25 10:10
500-264438-9	MW-1AR_20250224	Water	02/24/25 15:00	02/26/25 10:10
500-264438-10	MW-1AR_20250224_FBLL	Water	02/24/25 15:00	02/26/25 10:10
500-264438-11	MW-1BR_20250224	Water	02/24/25 16:30	02/26/25 10:10
500-264438-12	MW-1BR_20250224_FBLL	Water	02/24/25 16:30	02/26/25 10:10
500-264438-13	SBW-01_20250224	Water	02/24/25 15:30	02/26/25 10:10
500-264438-14	SBW-01_20250224_FBLL	Water	02/24/25 15:30	02/26/25 10:10
500-264438-15	TBN-01_20250224	Water	02/24/25 17:00	02/26/25 10:10
500-264438-16	TBN-01_20250224_FBLL	Water	02/24/25 17:00	02/26/25 10:10

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264438-1

Client Sample ID: DKC-01_20250224

Date Collected: 02/24/25 10:30
Date Received: 02/26/25 10:10

Lab Sample ID: 500-264438-1

Matrix: Water

Method: EPA 1630 - Methyl Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	**0.041**	**J B**	0.050	0.022	ng/L		03/12/25 10:25	03/12/25 20:59	1

Method: EPA 1630 - Methyl Mercury - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		03/12/25 10:25	03/12/25 21:10	1

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**1.8**		0.50	0.20	ng/L			03/06/25 16:18	1

Method: EPA 1631E - Mercury, Low Level (CVAFS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**1.6**		0.50	0.20	ng/L			03/06/25 16:22	1

Method: EPA 1638 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.41**		0.050	0.0098	ug/L		03/14/25 11:45	03/15/25 00:26	1

Method: EPA 1638 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.40**		0.050	0.0098	ug/L		03/14/25 11:45	03/14/25 22:27	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**190**		100	25	ug/L		02/26/25 16:22	03/05/25 20:39	1
Antimony	<1.3		3.0	1.3	ug/L		02/26/25 16:22	03/05/25 20:39	1
Arsenic	<0.23		1.0	0.23	ug/L		02/26/25 16:22	03/05/25 20:39	1
Barium	**38**		2.5	0.73	ug/L		02/26/25 16:22	03/05/25 20:39	1
Beryllium	<0.53		1.0	0.53	ug/L		02/26/25 16:22	03/05/25 20:39	1
Boron	**51**		50	13	ug/L		02/26/25 16:22	03/06/25 16:20	1
Cadmium	<0.17		0.50	0.17	ug/L		02/26/25 16:22	03/05/25 20:39	1
Calcium	**22000**		200	44	ug/L		02/26/25 16:22	03/05/25 20:39	1
Chromium	<1.1		5.0	1.1	ug/L		02/26/25 16:22	03/05/25 20:39	1
Cobalt	<0.40		1.0	0.40	ug/L		02/26/25 16:22	03/05/25 20:39	1
Copper	**3.2**		2.0	0.50	ug/L		02/26/25 16:22	03/06/25 16:20	1
Iron	**300**		100	47	ug/L		02/26/25 16:22	03/05/25 20:39	1
Lead	<0.19		0.50	0.19	ug/L		02/26/25 16:22	03/05/25 20:39	1
Lithium	<2.5		10	2.5	ug/L		02/26/25 16:22	03/05/25 20:39	1
Magnesium	**6000**		200	49	ug/L		02/26/25 16:22	03/05/25 20:39	1
Manganese	**5.5**		2.5	0.79	ug/L		02/26/25 16:22	03/06/25 16:20	1
Molybdenum	<2.5		5.0	2.5	ug/L		02/26/25 16:22	03/05/25 20:39	1
Nickel	<0.63		2.0	0.63	ug/L		02/26/25 16:22	03/05/25 20:39	1
Potassium	**810**		500	110	ug/L		02/26/25 16:22	03/05/25 20:39	1
Selenium	<0.98		2.5	0.98	ug/L		02/26/25 16:22	03/05/25 20:39	1
Silver	<0.12		0.50	0.12	ug/L		02/26/25 16:22	03/05/25 20:39	1
Sodium	**2100**		200	77	ug/L		02/26/25 16:22	03/06/25 16:20	1
Strontium	**51**		4.0	0.64	ug/L		02/26/25 16:22	03/05/25 20:39	1
Thallium	<0.57		2.0	0.57	ug/L		02/26/25 16:22	03/05/25 20:39	1
Tin	<1.3		5.0	1.3	ug/L		02/26/25 16:22	03/05/25 20:39	1
Vanadium	<2.2		5.0	2.2	ug/L		02/26/25 16:22	03/05/25 20:39	1
Zinc	<6.9		20	6.9	ug/L		02/26/25 16:22	03/05/25 20:39	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264438-1

Client Sample ID: DKC-01_20250224

Date Collected: 02/24/25 10:30
Date Received: 02/26/25 10:10

Lab Sample ID: 500-264438-1

Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**27**	**J**	100	25	ug/L		02/26/25 16:29	03/10/25 13:41	1
Antimony	<1.3		3.0	1.3	ug/L		02/26/25 16:29	03/10/25 13:41	1
Arsenic	<0.23		1.0	0.23	ug/L		02/26/25 16:29	03/10/25 13:41	1
Barium	**35**		2.5	0.73	ug/L		02/26/25 16:29	03/10/25 13:41	1
Beryllium	<0.53		1.0	0.53	ug/L		02/26/25 16:29	03/10/25 13:41	1
Boron	**28**	**J**	50	13	ug/L		02/26/25 16:29	03/10/25 13:41	1
Cadmium	<0.17		0.50	0.17	ug/L		02/26/25 16:29	03/10/25 13:41	1
Calcium	**21000**		200	44	ug/L		02/26/25 16:29	03/10/25 13:41	1
Chromium	<1.1		5.0	1.1	ug/L		02/26/25 16:29	03/10/25 13:41	1
Cobalt	<0.40		1.0	0.40	ug/L		02/26/25 16:29	03/10/25 13:41	1
Copper	**2.6**		2.0	0.50	ug/L		02/26/25 16:29	03/10/25 13:41	1
Iron	**130**		100	47	ug/L		02/26/25 16:29	03/10/25 13:41	1
Lead	<0.19		0.50	0.19	ug/L		02/26/25 16:29	03/10/25 13:41	1
Lithium	<2.5		10	2.5	ug/L		02/26/25 16:29	03/10/25 13:41	1
Magnesium	**5900**		200	49	ug/L		02/26/25 16:29	03/10/25 13:41	1
Manganese	**4.4**		2.5	0.79	ug/L		02/26/25 16:29	03/11/25 13:14	1
Molybdenum	<2.5		5.0	2.5	ug/L		02/26/25 16:29	03/11/25 13:14	1
Nickel	<0.63		2.0	0.63	ug/L		02/26/25 16:29	03/10/25 13:41	1
Potassium	**830**		500	110	ug/L		02/26/25 16:29	03/10/25 13:41	1
Selenium	**1.2**	**J**	2.5	0.98	ug/L		02/26/25 16:29	03/10/25 13:41	1
Silver	<0.12		0.50	0.12	ug/L		02/26/25 16:29	03/10/25 13:41	1
Sodium	**2100**		200	77	ug/L		02/26/25 16:29	03/10/25 13:41	1
Strontium	**51**		4.0	0.64	ug/L		02/26/25 16:29	03/11/25 13:14	1
Thallium	<0.57		2.0	0.57	ug/L		02/26/25 16:29	03/10/25 13:41	1
Tin	<1.3		5.0	1.3	ug/L		02/26/25 16:29	03/10/25 13:41	1
Vanadium	<2.2		5.0	2.2	ug/L		02/26/25 16:29	03/11/25 13:14	1
Zinc	<6.9		20	6.9	ug/L		02/26/25 16:29	03/10/25 13:41	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**79**		0.91	0.46	mg/L		02/26/25 16:22	03/06/25 11:06	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	<0.45		1.0	0.45	mg/L			03/04/25 16:26	1
Nitrate as N (EPA 300.0)	<0.37	H3	1.0	0.37	mg/L			03/04/25 16:26	1
Chloride (EPA 300.0)	**0.53**	**J**	1.0	0.42	mg/L			03/04/25 16:26	1
Nitrite as N (EPA 300.0)	<0.25	H3	1.0	0.25	mg/L			03/04/25 16:26	1
Fluoride (EPA 300.0)	<0.43		1.0	0.43	mg/L			03/04/25 16:26	1
Nitrate Nitrite as N (EPA 300.0)	<0.37	H3	1.0	0.37	mg/L			03/04/25 16:26	1
Sulfate (EPA 300.0)	**3.5**		1.0	0.47	mg/L			03/04/25 16:26	1
Cyanide, Total (EPA 335.4)	<0.0036		0.0050	0.0036	mg/L		03/03/25 09:26	03/03/25 15:55	1
Ammonia (EPA 350.1)	<0.10		0.20	0.10	mg/L		03/10/25 13:31	03/10/25 16:23	1
Phosphorus as P (EPA 365.1)	<0.024		0.050	0.024	mg/L		03/05/25 07:50	03/06/25 14:07	1
Alkalinity (SM 2320B)	**75**		5.0	3.7	mg/L			02/27/25 11:57	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**75**		5.0	3.7	mg/L			02/27/25 11:57	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<3.7		5.0	3.7	mg/L			02/27/25 11:57	1
Salinity (SM 2520B)	<0.33		0.33	0.33	psu			03/12/25 10:54	1

Client Sample Results

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264438-1

Client Sample ID: DKC-01_20250224
Date Collected: 02/24/25 10:30
Date Received: 02/26/25 10:10

Lab Sample ID: 500-264438-1
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**70**		10	4.3	mg/L			02/28/25 11:46	1
Total Suspended Solids (SM 2540D)	<1.9		5.0	1.9	mg/L			02/26/25 14:22	1
Sulfide (SM 4500 S2 F)	<1.2		5.0	1.2	mg/L			03/03/25 11:07	1
Total Organic Carbon (SM 5310C)	**5.3**		1.0	0.47	mg/L			03/06/25 20:58	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon (SM 5310C)	**5.1**		1.0	0.47	mg/L			03/07/25 04:30	1

Client Sample Results

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264438-1

Client Sample ID: DKC-01_20250224_FBLL
Date Collected: 02/24/25 10:30
Date Received: 02/26/25 10:10

Lab Sample ID: 500-264438-2
Matrix: Water

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			03/06/25 16:26	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264438-1

Client Sample ID: ARC-01_20250224

Date Collected: 02/24/25 08:30
Date Received: 02/26/25 10:10

Lab Sample ID: 500-264438-3

Matrix: Water

Method: EPA 1630 - Methyl Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	**0.30**	**B**	0.050	0.022	ng/L		03/12/25 10:25	03/12/25 19:28	1

Method: EPA 1630 - Methyl Mercury - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	**0.19**	**B**	0.050	0.022	ng/L		03/12/25 10:25	03/12/25 21:20	1

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**2.9**		0.50	0.20	ng/L			03/06/25 16:31	1

Method: EPA 1631E - Mercury, Low Level (CVAFS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**2.3**		0.50	0.20	ng/L			03/06/25 16:35	1

Method: EPA 1638 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.039**	**J**	0.050	0.0098	ug/L		03/14/25 11:45	03/15/25 00:44	1

Method: EPA 1638 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.027**	**J**	0.050	0.0098	ug/L		03/14/25 11:45	03/14/25 22:44	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**230**		100	25	ug/L		02/26/25 16:22	03/05/25 20:41	1
Antimony	<1.3		3.0	1.3	ug/L		02/26/25 16:22	03/05/25 20:41	1
Arsenic	<0.23		1.0	0.23	ug/L		02/26/25 16:22	03/05/25 20:41	1
Barium	**15**		2.5	0.73	ug/L		02/26/25 16:22	03/05/25 20:41	1
Beryllium	<0.53		1.0	0.53	ug/L		02/26/25 16:22	03/05/25 20:41	1
Boron	**25**	**J**	50	13	ug/L		02/26/25 16:22	03/06/25 16:22	1
Cadmium	<0.17		0.50	0.17	ug/L		02/26/25 16:22	03/05/25 20:41	1
Calcium	**12000**		200	44	ug/L		02/26/25 16:22	03/05/25 20:41	1
Chromium	<1.1		5.0	1.1	ug/L		02/26/25 16:22	03/05/25 20:41	1
Cobalt	<0.40		1.0	0.40	ug/L		02/26/25 16:22	03/05/25 20:41	1
Copper	**4.5**		2.0	0.50	ug/L		02/26/25 16:22	03/06/25 16:22	1
Iron	**490**		100	47	ug/L		02/26/25 16:22	03/05/25 20:41	1
Lead	<0.19		0.50	0.19	ug/L		02/26/25 16:22	03/05/25 20:41	1
Lithium	<2.5		10	2.5	ug/L		02/26/25 16:22	03/05/25 20:41	1
Magnesium	**2900**		200	49	ug/L		02/26/25 16:22	03/05/25 20:41	1
Manganese	**7.2**		2.5	0.79	ug/L		02/26/25 16:22	03/06/25 16:22	1
Molybdenum	<2.5		5.0	2.5	ug/L		02/26/25 16:22	03/05/25 20:41	1
Nickel	<0.63		2.0	0.63	ug/L		02/26/25 16:22	03/05/25 20:41	1
Potassium	**1100**		500	110	ug/L		02/26/25 16:22	03/05/25 20:41	1
Selenium	<0.98		2.5	0.98	ug/L		02/26/25 16:22	03/05/25 20:41	1
Silver	<0.12		0.50	0.12	ug/L		02/26/25 16:22	03/05/25 20:41	1
Sodium	**1100**		200	77	ug/L		02/26/25 16:22	03/06/25 16:22	1
Strontium	**28**		4.0	0.64	ug/L		02/26/25 16:22	03/05/25 20:41	1
Thallium	<0.57		2.0	0.57	ug/L		02/26/25 16:22	03/05/25 20:41	1
Tin	<1.3		5.0	1.3	ug/L		02/26/25 16:22	03/05/25 20:41	1
Vanadium	<2.2		5.0	2.2	ug/L		02/26/25 16:22	03/05/25 20:41	1
Zinc	<6.9		20	6.9	ug/L		02/26/25 16:22	03/05/25 20:41	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264438-1

Client Sample ID: ARC-01_20250224

Date Collected: 02/24/25 08:30
Date Received: 02/26/25 10:10

Lab Sample ID: 500-264438-3

Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**52**	**J**	100	25	ug/L		02/26/25 16:29	03/10/25 13:58	1
Antimony	<1.3		3.0	1.3	ug/L		02/26/25 16:29	03/10/25 13:58	1
Arsenic	<0.23		1.0	0.23	ug/L		02/26/25 16:29	03/10/25 13:58	1
Barium	**13**		2.5	0.73	ug/L		02/26/25 16:29	03/10/25 13:58	1
Beryllium	<0.53		1.0	0.53	ug/L		02/26/25 16:29	03/10/25 13:58	1
Boron	**15**	**J**	50	13	ug/L		02/26/25 16:29	03/10/25 13:58	1
Cadmium	<0.17		0.50	0.17	ug/L		02/26/25 16:29	03/10/25 13:58	1
Calcium	**11000**		200	44	ug/L		02/26/25 16:29	03/10/25 13:58	1
Chromium	<1.1		5.0	1.1	ug/L		02/26/25 16:29	03/10/25 13:58	1
Cobalt	<0.40		1.0	0.40	ug/L		02/26/25 16:29	03/10/25 13:58	1
Copper	**3.7**		2.0	0.50	ug/L		02/26/25 16:29	03/10/25 13:58	1
Iron	**180**		100	47	ug/L		02/26/25 16:29	03/10/25 13:58	1
Lead	<0.19		0.50	0.19	ug/L		02/26/25 16:29	03/10/25 13:58	1
Lithium	<2.5		10	2.5	ug/L		02/26/25 16:29	03/10/25 13:58	1
Magnesium	**2800**		200	49	ug/L		02/26/25 16:29	03/10/25 13:58	1
Manganese	**5.0**		2.5	0.79	ug/L		02/26/25 16:29	03/11/25 13:31	1
Molybdenum	<2.5		5.0	2.5	ug/L		02/26/25 16:29	03/11/25 13:31	1
Nickel	<0.63		2.0	0.63	ug/L		02/26/25 16:29	03/10/25 13:58	1
Potassium	**1000**		500	110	ug/L		02/26/25 16:29	03/10/25 13:58	1
Selenium	**1.0**	**J**	2.5	0.98	ug/L		02/26/25 16:29	03/10/25 13:58	1
Silver	<0.12		0.50	0.12	ug/L		02/26/25 16:29	03/10/25 13:58	1
Sodium	**1100**		200	77	ug/L		02/26/25 16:29	03/10/25 13:58	1
Strontium	**28**		4.0	0.64	ug/L		02/26/25 16:29	03/11/25 13:31	1
Thallium	<0.57		2.0	0.57	ug/L		02/26/25 16:29	03/10/25 13:58	1
Tin	<1.3		5.0	1.3	ug/L		02/26/25 16:29	03/10/25 13:58	1
Vanadium	<2.2		5.0	2.2	ug/L		02/26/25 16:29	03/11/25 13:31	1
Zinc	<6.9		20	6.9	ug/L		02/26/25 16:29	03/10/25 13:58	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**41**		0.91	0.46	mg/L		02/26/25 16:22	03/06/25 11:06	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	<0.45		1.0	0.45	mg/L			03/04/25 17:12	1
Nitrate as N (EPA 300.0)	<0.37	H3	1.0	0.37	mg/L			03/04/25 17:12	1
Chloride (EPA 300.0)	**0.60**	**J**	1.0	0.42	mg/L			03/04/25 17:12	1
Nitrite as N (EPA 300.0)	<0.25	H3	1.0	0.25	mg/L			03/04/25 17:12	1
Fluoride (EPA 300.0)	<0.43		1.0	0.43	mg/L			03/04/25 17:12	1
Nitrate Nitrite as N (EPA 300.0)	<0.37	H3	1.0	0.37	mg/L			03/04/25 17:12	1
Sulfate (EPA 300.0)	**1.9**		1.0	0.47	mg/L			03/04/25 17:12	1
Cyanide, Total (EPA 335.4)	<0.0036		0.0050	0.0036	mg/L		03/03/25 12:00	03/03/25 15:57	1
Ammonia (EPA 350.1)	<0.10		0.20	0.10	mg/L		03/10/25 13:31	03/10/25 16:24	1
Phosphorus as P (EPA 365.1)	<0.024		0.050	0.024	mg/L		03/05/25 07:50	03/06/25 14:08	1
Alkalinity (SM 2320B)	**39**		5.0	3.7	mg/L			02/27/25 12:06	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**39**		5.0	3.7	mg/L			02/27/25 12:06	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<3.7		5.0	3.7	mg/L			02/27/25 12:06	1
Salinity (SM 2520B)	<0.33		0.33	0.33	psu			03/12/25 10:54	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264438-1

Client Sample ID: ARC-01_20250224
Date Collected: 02/24/25 08:30
Date Received: 02/26/25 10:10

Lab Sample ID: 500-264438-3
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**36**		10	4.3	mg/L			02/28/25 11:51	1
Total Suspended Solids (SM 2540D)	<1.9		5.0	1.9	mg/L			02/26/25 14:32	1
Sulfide (SM 4500 S2 F)	**0.40**	**J**	1.0	0.23	mg/L			03/03/25 11:18	1
Total Organic Carbon (SM 5310C)	**6.4**		1.0	0.47	mg/L			03/06/25 21:30	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon (SM 5310C)	**6.1**		1.0	0.47	mg/L			03/07/25 05:02	1

Client Sample Results

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264438-1

Client Sample ID: ARC-01_20250224_FBLL
Date Collected: 02/24/25 08:30
Date Received: 02/26/25 10:10

Lab Sample ID: 500-264438-4
Matrix: Water

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.22	J	0.50	0.20	ng/L			03/06/25 16:39	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264438-1

Client Sample ID: TBS-01_20250224

Date Collected: 02/24/25 12:30
Date Received: 02/26/25 10:10

Lab Sample ID: 500-264438-5

Matrix: Water

Method: EPA 1630 - Methyl Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		03/12/25 10:25	03/12/25 21:30	1

Method: EPA 1630 - Methyl Mercury - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		03/12/25 10:25	03/12/25 21:40	1

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**1.0**		0.50	0.20	ng/L			03/06/25 16:43	1

Method: EPA 1631E - Mercury, Low Level (CVAFS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**1.0**		0.50	0.20	ng/L			03/06/25 16:47	1

Method: EPA 1638 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.83**		0.050	0.0098	ug/L		03/14/25 11:45	03/15/25 00:47	1

Method: EPA 1638 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.80**		0.050	0.0098	ug/L		03/14/25 11:45	03/14/25 22:48	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<25		100	25	ug/L		02/26/25 16:22	03/05/25 20:44	1
Antimony	<1.3		3.0	1.3	ug/L		02/26/25 16:22	03/05/25 20:44	1
Arsenic	**0.72**	**J**	1.0	0.23	ug/L		02/26/25 16:22	03/05/25 20:44	1
Barium	**84**		2.5	0.73	ug/L		02/26/25 16:22	03/05/25 20:44	1
Beryllium	<0.53		1.0	0.53	ug/L		02/26/25 16:22	03/05/25 20:44	1
Boron	**170**		50	13	ug/L		02/26/25 16:22	03/06/25 16:25	1
Cadmium	<0.17		0.50	0.17	ug/L		02/26/25 16:22	03/05/25 20:44	1
Calcium	**83000**		200	44	ug/L		02/26/25 16:22	03/05/25 20:44	1
Chromium	<1.1		5.0	1.1	ug/L		02/26/25 16:22	03/05/25 20:44	1
Cobalt	<0.40		1.0	0.40	ug/L		02/26/25 16:22	03/05/25 20:44	1
Copper	**28**		2.0	0.50	ug/L		02/26/25 16:22	03/06/25 16:25	1
Iron	**56**	**J**	100	47	ug/L		02/26/25 16:22	03/05/25 20:44	1
Lead	<0.19		0.50	0.19	ug/L		02/26/25 16:22	03/05/25 20:44	1
Lithium	**28**		10	2.5	ug/L		02/26/25 16:22	03/05/25 20:44	1
Magnesium	**12000**		200	49	ug/L		02/26/25 16:22	03/05/25 20:44	1
Manganese	**36**		2.5	0.79	ug/L		02/26/25 16:22	03/06/25 16:25	1
Molybdenum	**13**		5.0	2.5	ug/L		02/26/25 16:22	03/05/25 20:44	1
Nickel	<0.63		2.0	0.63	ug/L		02/26/25 16:22	03/05/25 20:44	1
Potassium	**5600**		500	110	ug/L		02/26/25 16:22	03/05/25 20:44	1
Selenium	<0.98		2.5	0.98	ug/L		02/26/25 16:22	03/05/25 20:44	1
Silver	<0.12		0.50	0.12	ug/L		02/26/25 16:22	03/05/25 20:44	1
Sodium	**33000**		200	77	ug/L		02/26/25 16:22	03/06/25 16:25	1
Strontium	**660**		4.0	0.64	ug/L		02/26/25 16:22	03/05/25 20:44	1
Thallium	<0.57		2.0	0.57	ug/L		02/26/25 16:22	03/05/25 20:44	1
Tin	<1.3		5.0	1.3	ug/L		02/26/25 16:22	03/05/25 20:44	1
Vanadium	<2.2		5.0	2.2	ug/L		02/26/25 16:22	03/05/25 20:44	1
Zinc	<6.9		20	6.9	ug/L		02/26/25 16:22	03/05/25 20:44	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264438-1

Client Sample ID: TBS-01_20250224

Date Collected: 02/24/25 12:30
Date Received: 02/26/25 10:10

Lab Sample ID: 500-264438-5

Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<25		100	25	ug/L		02/26/25 16:29	03/10/25 14:00	1
Antimony	<1.3		3.0	1.3	ug/L		02/26/25 16:29	03/10/25 14:00	1
Arsenic	**0.69**	**J**	1.0	0.23	ug/L		02/26/25 16:29	03/10/25 14:00	1
Barium	**82**		2.5	0.73	ug/L		02/26/25 16:29	03/10/25 14:00	1
Beryllium	<0.53		1.0	0.53	ug/L		02/26/25 16:29	03/10/25 14:00	1
Boron	**160**		50	13	ug/L		02/26/25 16:29	03/10/25 14:00	1
Cadmium	<0.17		0.50	0.17	ug/L		02/26/25 16:29	03/10/25 14:00	1
Calcium	**84000**		200	44	ug/L		02/26/25 16:29	03/10/25 14:00	1
Chromium	<1.1		5.0	1.1	ug/L		02/26/25 16:29	03/10/25 14:00	1
Cobalt	<0.40		1.0	0.40	ug/L		02/26/25 16:29	03/10/25 14:00	1
Copper	**25**		2.0	0.50	ug/L		02/26/25 16:29	03/10/25 14:00	1
Iron	<47		100	47	ug/L		02/26/25 16:29	03/10/25 14:00	1
Lead	<0.19		0.50	0.19	ug/L		02/26/25 16:29	03/10/25 14:00	1
Lithium	**26**		10	2.5	ug/L		02/26/25 16:29	03/10/25 14:00	1
Magnesium	**12000**		200	49	ug/L		02/26/25 16:29	03/10/25 14:00	1
Manganese	**5.1**		2.5	0.79	ug/L		02/26/25 16:29	03/11/25 13:33	1
Molybdenum	**13**		5.0	2.5	ug/L		02/26/25 16:29	03/11/25 13:33	1
Nickel	<0.63		2.0	0.63	ug/L		02/26/25 16:29	03/10/25 14:00	1
Potassium	**5500**		500	110	ug/L		02/26/25 16:29	03/10/25 14:00	1
Selenium	**1.2**	**J**	2.5	0.98	ug/L		02/26/25 16:29	03/10/25 14:00	1
Silver	<0.12		0.50	0.12	ug/L		02/26/25 16:29	03/10/25 14:00	1
Sodium	**32000**		200	77	ug/L		02/26/25 16:29	03/10/25 14:00	1
Strontium	**640**		4.0	0.64	ug/L		02/26/25 16:29	03/11/25 13:33	1
Thallium	<0.57		2.0	0.57	ug/L		02/26/25 16:29	03/10/25 14:00	1
Tin	<1.3		5.0	1.3	ug/L		02/26/25 16:29	03/10/25 14:00	1
Vanadium	<2.2		5.0	2.2	ug/L		02/26/25 16:29	03/11/25 13:33	1
Zinc	<6.9		20	6.9	ug/L		02/26/25 16:29	03/10/25 14:00	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**260**		0.91	0.46	mg/L		02/26/25 16:22	03/06/25 11:06	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	**0.59**	**J**	1.0	0.45	mg/L			03/04/25 17:27	1
Nitrate as N (EPA 300.0)	<0.37	H	1.0	0.37	mg/L			03/04/25 17:27	1
Chloride (EPA 300.0)	**75**		1.0	0.42	mg/L			03/04/25 17:27	1
Nitrite as N (EPA 300.0)	<0.25	H	1.0	0.25	mg/L			03/04/25 17:27	1
Fluoride (EPA 300.0)	<0.43		1.0	0.43	mg/L			03/04/25 17:27	1
Nitrate Nitrite as N (EPA 300.0)	<0.37	H	1.0	0.37	mg/L			03/04/25 17:27	1
Sulfate (EPA 300.0)	**17**		1.0	0.47	mg/L			03/04/25 17:27	1
Cyanide, Total (EPA 335.4)	<0.0036		0.0050	0.0036	mg/L		03/03/25 12:00	03/03/25 15:57	1
Ammonia (EPA 350.1)	**0.21**		0.20	0.10	mg/L		03/11/25 13:23	03/12/25 17:16	1
Phosphorus as P (EPA 365.1)	<0.024		0.050	0.024	mg/L		03/05/25 07:50	03/06/25 14:08	1
Alkalinity (SM 2320B)	**170**		5.0	3.7	mg/L			02/27/25 12:13	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**170**		5.0	3.7	mg/L			02/27/25 12:13	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<3.7		5.0	3.7	mg/L			02/27/25 12:13	1
Salinity (SM 2520B)	<0.33		0.33	0.33	psu			03/12/25 10:54	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264438-1

Client Sample ID: TBS-01_20250224
Date Collected: 02/24/25 12:30
Date Received: 02/26/25 10:10

Lab Sample ID: 500-264438-5
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	350		10	4.3	mg/L			02/28/25 11:59	1
Total Suspended Solids (SM 2540D)	3.2	J	5.0	1.9	mg/L			02/26/25 14:41	1
Sulfide (SM 4500 S2 F)	<0.23		1.0	0.23	mg/L			03/03/25 11:30	1
Total Organic Carbon (SM 5310C)	9.6		1.0	0.47	mg/L			03/06/25 22:03	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon (SM 5310C)	9.2		1.0	0.47	mg/L			03/07/25 05:34	1

Client Sample Results

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264438-1

Client Sample ID: TBS-01_20250224_FBLL
Date Collected: 02/24/25 12:30
Date Received: 02/26/25 10:10

Lab Sample ID: 500-264438-6
Matrix: Water

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			03/06/25 17:00	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264438-1

Client Sample ID: SBD-01_20250224

Date Collected: 02/24/25 13:30
Date Received: 02/26/25 10:10

Lab Sample ID: 500-264438-7

Matrix: Water

Method: EPA 1630 - Methyl Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	0.57	B	0.050	0.022	ng/L		03/12/25 10:25	03/12/25 21:50	1

Method: EPA 1630 - Methyl Mercury - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	0.32	B	0.050	0.022	ng/L		03/12/25 10:25	03/12/25 22:21	1

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	1.5		0.50	0.20	ng/L			03/06/25 17:04	1

Method: EPA 1631E - Mercury, Low Level (CVAFS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.91		0.50	0.20	ng/L			03/06/25 17:08	1

Method: EPA 1638 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	0.35		0.050	0.0098	ug/L		03/14/25 11:45	03/15/25 00:51	1

Method: EPA 1638 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	0.28		0.050	0.0098	ug/L		03/14/25 11:45	03/14/25 22:51	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	730		100	25	ug/L		02/26/25 16:22	03/05/25 20:46	1
Antimony	<1.3		3.0	1.3	ug/L		02/26/25 16:22	03/05/25 20:46	1
Arsenic	0.78	J	1.0	0.23	ug/L		02/26/25 16:22	03/05/25 20:46	1
Barium	67		2.5	0.73	ug/L		02/26/25 16:22	03/05/25 20:46	1
Beryllium	<0.53		1.0	0.53	ug/L		02/26/25 16:22	03/05/25 20:46	1
Boron	47	J	50	13	ug/L		02/26/25 16:22	03/06/25 16:27	1
Cadmium	<0.17		0.50	0.17	ug/L		02/26/25 16:22	03/05/25 20:46	1
Calcium	42000		200	44	ug/L		02/26/25 16:22	03/05/25 20:46	1
Chromium	1.1	J	5.0	1.1	ug/L		02/26/25 16:22	03/05/25 20:46	1
Cobalt	0.63	J	1.0	0.40	ug/L		02/26/25 16:22	03/05/25 20:46	1
Copper	4.9		2.0	0.50	ug/L		02/26/25 16:22	03/06/25 16:27	1
Iron	4100		100	47	ug/L		02/26/25 16:22	03/05/25 20:46	1
Lead	0.32	J	0.50	0.19	ug/L		02/26/25 16:22	03/05/25 20:46	1
Lithium	9.1	J	10	2.5	ug/L		02/26/25 16:22	03/05/25 20:46	1
Magnesium	8100		200	49	ug/L		02/26/25 16:22	03/05/25 20:46	1
Manganese	330		2.5	0.79	ug/L		02/26/25 16:22	03/06/25 16:27	1
Molybdenum	7.8		5.0	2.5	ug/L		02/26/25 16:22	03/05/25 20:46	1
Nickel	0.95	J	2.0	0.63	ug/L		02/26/25 16:22	03/05/25 20:46	1
Potassium	2800		500	110	ug/L		02/26/25 16:22	03/05/25 20:46	1
Selenium	<0.98		2.5	0.98	ug/L		02/26/25 16:22	03/05/25 20:46	1
Silver	<0.12		0.50	0.12	ug/L		02/26/25 16:22	03/05/25 20:46	1
Sodium	7500		200	77	ug/L		02/26/25 16:22	03/06/25 16:27	1
Strontium	190		4.0	0.64	ug/L		02/26/25 16:22	03/05/25 20:46	1
Thallium	<0.57		2.0	0.57	ug/L		02/26/25 16:22	03/05/25 20:46	1
Tin	<1.3		5.0	1.3	ug/L		02/26/25 16:22	03/05/25 20:46	1
Vanadium	<2.2		5.0	2.2	ug/L		02/26/25 16:22	03/05/25 20:46	1
Zinc	<6.9		20	6.9	ug/L		02/26/25 16:22	03/05/25 20:46	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264438-1

Client Sample ID: SBD-01_20250224

Date Collected: 02/24/25 13:30
Date Received: 02/26/25 10:10

Lab Sample ID: 500-264438-7

Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<25		100	25	ug/L		02/26/25 16:29	03/10/25 14:03	1
Antimony	<1.3		3.0	1.3	ug/L		02/26/25 16:29	03/10/25 14:03	1
Arsenic	**0.59**	**J**	1.0	0.23	ug/L		02/26/25 16:29	03/10/25 14:03	1
Barium	**56**		2.5	0.73	ug/L		02/26/25 16:29	03/10/25 14:03	1
Beryllium	<0.53		1.0	0.53	ug/L		02/26/25 16:29	03/10/25 14:03	1
Boron	**42**	**J**	50	13	ug/L		02/26/25 16:29	03/10/25 14:03	1
Cadmium	<0.17		0.50	0.17	ug/L		02/26/25 16:29	03/10/25 14:03	1
Calcium	**43000**		200	44	ug/L		02/26/25 16:29	03/10/25 14:03	1
Chromium	<1.1		5.0	1.1	ug/L		02/26/25 16:29	03/10/25 14:03	1
Cobalt	<0.40		1.0	0.40	ug/L		02/26/25 16:29	03/10/25 14:03	1
Copper	**1.1**	**J**	2.0	0.50	ug/L		02/26/25 16:29	03/10/25 14:03	1
Iron	**2700**		100	47	ug/L		02/26/25 16:29	03/10/25 14:03	1
Lead	<0.19		0.50	0.19	ug/L		02/26/25 16:29	03/10/25 14:03	1
Lithium	**8.2**	**J**	10	2.5	ug/L		02/26/25 16:29	03/10/25 14:03	1
Magnesium	**7900**		200	49	ug/L		02/26/25 16:29	03/10/25 14:03	1
Manganese	**440**		2.5	0.79	ug/L		02/26/25 16:29	03/11/25 13:35	1
Molybdenum	**8.9**		5.0	2.5	ug/L		02/26/25 16:29	03/11/25 13:35	1
Nickel	<0.63		2.0	0.63	ug/L		02/26/25 16:29	03/10/25 14:03	1
Potassium	**2600**		500	110	ug/L		02/26/25 16:29	03/10/25 14:03	1
Selenium	<0.98		2.5	0.98	ug/L		02/26/25 16:29	03/10/25 14:03	1
Silver	<0.12		0.50	0.12	ug/L		02/26/25 16:29	03/10/25 14:03	1
Sodium	**7500**		200	77	ug/L		02/26/25 16:29	03/10/25 14:03	1
Strontium	**190**		4.0	0.64	ug/L		02/26/25 16:29	03/11/25 13:35	1
Thallium	<0.57		2.0	0.57	ug/L		02/26/25 16:29	03/10/25 14:03	1
Tin	<1.3		5.0	1.3	ug/L		02/26/25 16:29	03/10/25 14:03	1
Vanadium	<2.2		5.0	2.2	ug/L		02/26/25 16:29	03/11/25 13:35	1
Zinc	<6.9		20	6.9	ug/L		02/26/25 16:29	03/10/25 14:03	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**140**		0.91	0.46	mg/L		02/26/25 16:22	03/06/25 11:06	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	<0.45		1.0	0.45	mg/L			03/04/25 14:39	1
Nitrate as N (EPA 300.0)	**3.3**	**H**	1.0	0.37	mg/L			03/04/25 14:39	1
Chloride (EPA 300.0)	**8.3**		1.0	0.42	mg/L			03/04/25 14:39	1
Nitrite as N (EPA 300.0)	<0.25	H	1.0	0.25	mg/L			03/04/25 14:39	1
Fluoride (EPA 300.0)	<0.43		1.0	0.43	mg/L			03/04/25 14:39	1
Nitrate Nitrite as N (EPA 300.0)	**3.3**	**H**	1.0	0.37	mg/L			03/04/25 14:39	1
Sulfate (EPA 300.0)	**3.0**		1.0	0.47	mg/L			03/04/25 14:39	1
Cyanide, Total (EPA 335.4)	<0.0036		0.0050	0.0036	mg/L		03/03/25 12:00	03/03/25 16:00	1
Ammonia (EPA 350.1)	**0.17**	**J**	0.20	0.10	mg/L		03/11/25 13:23	03/12/25 17:17	1
Phosphorus as P (EPA 365.1)	<0.024		0.050	0.024	mg/L		03/05/25 07:50	03/06/25 14:09	1
Alkalinity (SM 2320B)	**120**		5.0	3.7	mg/L			02/27/25 12:24	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**120**		5.0	3.7	mg/L			02/27/25 12:24	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<3.7		5.0	3.7	mg/L			02/27/25 12:24	1
Salinity (SM 2520B)	<0.33		0.33	0.33	psu			03/12/25 10:54	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264438-1

Client Sample ID: SBD-01_20250224
Date Collected: 02/24/25 13:30
Date Received: 02/26/25 10:10

Lab Sample ID: 500-264438-7
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	150		10	4.3	mg/L			02/28/25 12:03	1
Total Suspended Solids (SM 2540D)	37		8.3	3.2	mg/L			02/26/25 14:46	1
Sulfide (SM 4500 S2 F)	<0.58		2.5	0.58	mg/L			03/03/25 11:41	1
Total Organic Carbon (SM 5310C)	10		1.0	0.47	mg/L			03/06/25 22:35	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon (SM 5310C)	10		1.0	0.47	mg/L			03/07/25 06:06	1

Client Sample Results

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264438-1

Client Sample ID: SBD-01_20250224_FBLL
Date Collected: 02/24/25 13:30
Date Received: 02/26/25 10:10

Lab Sample ID: 500-264438-8
Matrix: Water

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			03/06/25 17:12	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264438-1

Client Sample ID: MW-1AR_20250224

Date Collected: 02/24/25 15:00
Date Received: 02/26/25 10:10

Lab Sample ID: 500-264438-9

Matrix: Water

Method: EPA 1630 - Methyl Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		03/12/25 10:25	03/12/25 22:31	1

Method: EPA 1630 - Methyl Mercury - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		03/12/25 10:25	03/12/25 22:41	1

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**2.5**		0.50	0.20	ng/L			03/06/25 17:16	1

Method: EPA 1631E - Mercury, Low Level (CVAFS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.86**		0.50	0.20	ng/L			03/06/25 17:20	1

Method: EPA 1638 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**15**		0.050	0.0098	ug/L		03/14/25 11:45	03/15/25 00:54	1

Method: EPA 1638 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**19**		0.050	0.0098	ug/L		03/14/25 11:45	03/14/25 22:55	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**240**		100	25	ug/L		02/26/25 16:22	03/05/25 20:49	1
Antimony	<1.3		3.0	1.3	ug/L		02/26/25 16:22	03/05/25 20:49	1
Arsenic	**0.88**	**J**	1.0	0.23	ug/L		02/26/25 16:22	03/05/25 20:49	1
Barium	**54**		2.5	0.73	ug/L		02/26/25 16:22	03/05/25 20:49	1
Beryllium	<0.53		1.0	0.53	ug/L		02/26/25 16:22	03/05/25 20:49	1
Boron	**770**		50	13	ug/L		02/26/25 16:22	03/06/25 16:30	1
Cadmium	<0.17		0.50	0.17	ug/L		02/26/25 16:22	03/05/25 20:49	1
Calcium	**42000**		200	44	ug/L		02/26/25 16:22	03/05/25 20:49	1
Chromium	<1.1		5.0	1.1	ug/L		02/26/25 16:22	03/05/25 20:49	1
Cobalt	<0.40		1.0	0.40	ug/L		02/26/25 16:22	03/05/25 20:49	1
Copper	**2.3**		2.0	0.50	ug/L		02/26/25 16:22	03/06/25 16:30	1
Iron	**210**		100	47	ug/L		02/26/25 16:22	03/05/25 20:49	1
Lead	<0.19		0.50	0.19	ug/L		02/26/25 16:22	03/05/25 20:49	1
Lithium	**7.8**	**J**	10	2.5	ug/L		02/26/25 16:22	03/05/25 20:49	1
Magnesium	**16000**		200	49	ug/L		02/26/25 16:22	03/05/25 20:49	1
Manganese	**29**		2.5	0.79	ug/L		02/26/25 16:22	03/06/25 16:30	1
Molybdenum	**29**		5.0	2.5	ug/L		02/26/25 16:22	03/05/25 20:49	1
Nickel	<0.63		2.0	0.63	ug/L		02/26/25 16:22	03/05/25 20:49	1
Potassium	**3000**		500	110	ug/L		02/26/25 16:22	03/05/25 20:49	1
Selenium	<0.98		2.5	0.98	ug/L		02/26/25 16:22	03/05/25 20:49	1
Silver	<0.12		0.50	0.12	ug/L		02/26/25 16:22	03/05/25 20:49	1
Sodium	**88000**		200	77	ug/L		02/26/25 16:22	03/06/25 16:30	1
Strontium	**610**		4.0	0.64	ug/L		02/26/25 16:22	03/05/25 20:49	1
Thallium	<0.57		2.0	0.57	ug/L		02/26/25 16:22	03/05/25 20:49	1
Tin	<1.3		5.0	1.3	ug/L		02/26/25 16:22	03/05/25 20:49	1
Vanadium	**2.2**	**J**	5.0	2.2	ug/L		02/26/25 16:22	03/05/25 20:49	1
Zinc	<6.9		20	6.9	ug/L		02/26/25 16:22	03/05/25 20:49	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264438-1

Client Sample ID: MW-1AR_20250224

Lab Sample ID: 500-264438-9

Date Collected: 02/24/25 15:00

Matrix: Water

Date Received: 02/26/25 10:10

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<25		100	25	ug/L		02/26/25 16:29	03/11/25 13:38	1
Antimony	<1.3		3.0	1.3	ug/L		02/26/25 16:29	03/10/25 14:05	1
Arsenic	**0.46**	**J**	1.0	0.23	ug/L		02/26/25 16:29	03/10/25 14:05	1
Barium	**45**		2.5	0.73	ug/L		02/26/25 16:29	03/11/25 13:38	1
Beryllium	<0.53		1.0	0.53	ug/L		02/26/25 16:29	03/11/25 13:38	1
Boron	**730**		50	13	ug/L		02/26/25 16:29	03/11/25 13:38	1
Cadmium	<0.17		0.50	0.17	ug/L		02/26/25 16:29	03/10/25 14:05	1
Calcium	**38000**		200	44	ug/L		02/26/25 16:29	03/11/25 13:38	1
Chromium	**1.1**	**J**	5.0	1.1	ug/L		02/26/25 16:29	03/11/25 13:38	1
Cobalt	<0.40		1.0	0.40	ug/L		02/26/25 16:29	03/11/25 13:38	1
Copper	**0.54**	**J**	2.0	0.50	ug/L		02/26/25 16:29	03/10/25 14:05	1
Iron	<47		100	47	ug/L		02/26/25 16:29	03/11/25 13:38	1
Lead	<0.19		0.50	0.19	ug/L		02/26/25 16:29	03/10/25 14:05	1
Lithium	**6.7**	**J**	10	2.5	ug/L		02/26/25 16:29	03/11/25 13:38	1
Magnesium	**15000**		200	49	ug/L		02/26/25 16:29	03/11/25 13:38	1
Manganese	<0.79		2.5	0.79	ug/L		02/26/25 16:29	03/11/25 13:38	1
Molybdenum	**30**		5.0	2.5	ug/L		02/26/25 16:29	03/11/25 13:38	1
Nickel	<0.63		2.0	0.63	ug/L		02/26/25 16:29	03/10/25 14:05	1
Potassium	**3000**		500	110	ug/L		02/26/25 16:29	03/11/25 13:38	1
Selenium	**1.1**	**J**	2.5	0.98	ug/L		02/26/25 16:29	03/10/25 14:05	1
Silver	<0.12		0.50	0.12	ug/L		02/26/25 16:29	03/10/25 14:05	1
Sodium	**84000**		200	77	ug/L		02/26/25 16:29	03/11/25 13:38	1
Strontium	**580**		4.0	0.64	ug/L		02/26/25 16:29	03/11/25 13:38	1
Thallium	<0.57		2.0	0.57	ug/L		02/26/25 16:29	03/10/25 14:05	1
Tin	<1.3		5.0	1.3	ug/L		02/26/25 16:29	03/10/25 14:05	1
Vanadium	<2.2		5.0	2.2	ug/L		02/26/25 16:29	03/11/25 13:38	1
Zinc	<6.9		20	6.9	ug/L		02/26/25 16:29	03/10/25 14:05	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**170**		0.91	0.46	mg/L		02/26/25 16:22	03/06/25 11:06	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	**0.65**	**J**	1.0	0.45	mg/L			03/04/25 14:55	1
Nitrate as N (EPA 300.0)	<0.37	H	1.0	0.37	mg/L			03/04/25 14:55	1
Chloride (EPA 300.0)	**63**		1.0	0.42	mg/L			03/04/25 14:55	1
Nitrite as N (EPA 300.0)	<0.25	H	1.0	0.25	mg/L			03/04/25 14:55	1
Fluoride (EPA 300.0)	<0.43		1.0	0.43	mg/L			03/04/25 14:55	1
Nitrate Nitrite as N (EPA 300.0)	<0.37	H	1.0	0.37	mg/L			03/04/25 14:55	1
Sulfate (EPA 300.0)	**57**		1.0	0.47	mg/L			03/04/25 14:55	1
Cyanide, Total (EPA 335.4)	<0.0036		0.0050	0.0036	mg/L		03/03/25 12:00	03/03/25 16:01	1
Ammonia (EPA 350.1)	<0.10		0.20	0.10	mg/L		03/11/25 13:23	03/12/25 17:18	1
Phosphorus as P (EPA 365.1)	**0.12**		0.050	0.024	mg/L		03/05/25 07:50	03/06/25 14:10	1
Alkalinity (SM 2320B)	**180**		5.0	3.7	mg/L			02/27/25 12:33	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**180**		5.0	3.7	mg/L			02/27/25 12:33	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<3.7		5.0	3.7	mg/L			02/27/25 12:33	1
Salinity (SM 2520B)	<0.33		0.33	0.33	psu			03/12/25 10:54	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264438-1

Client Sample ID: MW-1AR_20250224
Date Collected: 02/24/25 15:00
Date Received: 02/26/25 10:10

Lab Sample ID: 500-264438-9
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	360		10	4.3	mg/L			02/28/25 12:07	1
Total Suspended Solids (SM 2540D)	68		10	3.9	mg/L			02/26/25 14:51	1
Sulfide (SM 4500 S2 F)	<0.23		1.0	0.23	mg/L			03/03/25 11:45	1
Total Organic Carbon (SM 5310C)	0.96	J	1.0	0.47	mg/L			03/06/25 23:07	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon (SM 5310C)	1.3		1.0	0.47	mg/L			03/07/25 06:39	1

Client Sample Results

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264438-1

Client Sample ID: MW-1AR_20250224_FBLL

Date Collected: 02/24/25 15:00
Date Received: 02/26/25 10:10

Lab Sample ID: 500-264438-10

Matrix: Water

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			03/06/25 17:25	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264438-1

Client Sample ID: MW-1BR_20250224

Date Collected: 02/24/25 16:30
Date Received: 02/26/25 10:10

Lab Sample ID: 500-264438-11

Matrix: Water

Method: EPA 1630 - Methyl Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		03/12/25 10:25	03/12/25 22:52	1

Method: EPA 1630 - Methyl Mercury - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		03/12/25 10:25	03/12/25 23:02	1

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			03/06/25 17:29	1

Method: EPA 1631E - Mercury, Low Level (CVAFS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			03/06/25 17:33	1

Method: EPA 1638 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**5.0**		0.050	0.0098	ug/L		03/14/25 11:45	03/15/25 00:58	1

Method: EPA 1638 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**4.9**		0.050	0.0098	ug/L		03/14/25 11:45	03/14/25 22:58	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<25		100	25	ug/L		02/26/25 16:22	03/05/25 20:51	1
Antimony	<1.3		3.0	1.3	ug/L		02/26/25 16:22	03/05/25 20:51	1
Arsenic	**3.8**		1.0	0.23	ug/L		02/26/25 16:22	03/05/25 20:51	1
Barium	**100**		2.5	0.73	ug/L		02/26/25 16:22	03/05/25 20:51	1
Beryllium	<0.53		1.0	0.53	ug/L		02/26/25 16:22	03/05/25 20:51	1
Boron	**1500**		50	13	ug/L		02/26/25 16:22	03/06/25 16:33	1
Cadmium	<0.17		0.50	0.17	ug/L		02/26/25 16:22	03/05/25 20:51	1
Calcium	**61000**		200	44	ug/L		02/26/25 16:22	03/05/25 20:51	1
Chromium	<1.1		5.0	1.1	ug/L		02/26/25 16:22	03/05/25 20:51	1
Cobalt	<0.40		1.0	0.40	ug/L		02/26/25 16:22	03/05/25 20:51	1
Copper	**0.57**	**J**	2.0	0.50	ug/L		02/26/25 16:22	03/06/25 16:33	1
Iron	<47		100	47	ug/L		02/26/25 16:22	03/05/25 20:51	1
Lead	<0.19		0.50	0.19	ug/L		02/26/25 16:22	03/05/25 20:51	1
Lithium	**40**		10	2.5	ug/L		02/26/25 16:22	03/05/25 20:51	1
Magnesium	**10000**		200	49	ug/L		02/26/25 16:22	03/05/25 20:51	1
Manganese	**33**		2.5	0.79	ug/L		02/26/25 16:22	03/06/25 16:33	1
Molybdenum	**4.7**	**J**	5.0	2.5	ug/L		02/26/25 16:22	03/05/25 20:51	1
Nickel	<0.63		2.0	0.63	ug/L		02/26/25 16:22	03/05/25 20:51	1
Potassium	**3700**		500	110	ug/L		02/26/25 16:22	03/05/25 20:51	1
Selenium	<0.98		2.5	0.98	ug/L		02/26/25 16:22	03/05/25 20:51	1
Silver	<0.12		0.50	0.12	ug/L		02/26/25 16:22	03/05/25 20:51	1
Sodium	**85000**		200	77	ug/L		02/26/25 16:22	03/06/25 16:33	1
Strontium	**1100**		4.0	0.64	ug/L		02/26/25 16:22	03/05/25 20:51	1
Thallium	<0.57		2.0	0.57	ug/L		02/26/25 16:22	03/05/25 20:51	1
Tin	<1.3		5.0	1.3	ug/L		02/26/25 16:22	03/05/25 20:51	1
Vanadium	<2.2		5.0	2.2	ug/L		02/26/25 16:22	03/05/25 20:51	1
Zinc	<6.9		20	6.9	ug/L		02/26/25 16:22	03/05/25 20:51	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264438-1

Client Sample ID: MW-1BR_20250224

Lab Sample ID: 500-264438-11

Date Collected: 02/24/25 16:30

Matrix: Water

Date Received: 02/26/25 10:10

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<25		100	25	ug/L		02/26/25 16:29	03/11/25 13:40	1
Antimony	<1.3		3.0	1.3	ug/L		02/26/25 16:29	03/11/25 13:40	1
Arsenic	**3.6**		1.0	0.23	ug/L		02/26/25 16:29	03/11/25 13:40	1
Barium	**96**		2.5	0.73	ug/L		02/26/25 16:29	03/11/25 13:40	1
Beryllium	<0.53		1.0	0.53	ug/L		02/26/25 16:29	03/11/25 13:40	1
Boron	**1500**		50	13	ug/L		02/26/25 16:29	03/11/25 13:40	1
Cadmium	<0.17		0.50	0.17	ug/L		02/26/25 16:29	03/11/25 13:40	1
Calcium	**58000**		200	44	ug/L		02/26/25 16:29	03/11/25 13:40	1
Chromium	<1.1		5.0	1.1	ug/L		02/26/25 16:29	03/11/25 13:40	1
Cobalt	<0.40		1.0	0.40	ug/L		02/26/25 16:29	03/11/25 13:40	1
Copper	**0.71**	**J**	2.0	0.50	ug/L		02/26/25 16:29	03/11/25 13:40	1
Iron	<47		100	47	ug/L		02/26/25 16:29	03/11/25 13:40	1
Lead	<0.19		0.50	0.19	ug/L		02/26/25 16:29	03/11/25 13:40	1
Lithium	**39**		10	2.5	ug/L		02/26/25 16:29	03/11/25 13:40	1
Magnesium	**9500**		200	49	ug/L		02/26/25 16:29	03/11/25 13:40	1
Manganese	**30**		2.5	0.79	ug/L		02/26/25 16:29	03/11/25 13:40	1
Molybdenum	**4.4**	**J**	5.0	2.5	ug/L		02/26/25 16:29	03/11/25 13:40	1
Nickel	<0.63		2.0	0.63	ug/L		02/26/25 16:29	03/11/25 13:40	1
Potassium	**3600**		500	110	ug/L		02/26/25 16:29	03/11/25 13:40	1
Selenium	<0.98		2.5	0.98	ug/L		02/26/25 16:29	03/11/25 13:40	1
Silver	<0.12		0.50	0.12	ug/L		02/26/25 16:29	03/11/25 13:40	1
Sodium	**83000**		200	77	ug/L		02/26/25 16:29	03/11/25 13:40	1
Strontium	**1000**		4.0	0.64	ug/L		02/26/25 16:29	03/11/25 13:40	1
Thallium	<0.57		2.0	0.57	ug/L		02/26/25 16:29	03/11/25 13:40	1
Tin	<1.3		5.0	1.3	ug/L		02/26/25 16:29	03/11/25 13:40	1
Vanadium	<2.2		5.0	2.2	ug/L		02/26/25 16:29	03/11/25 13:40	1
Zinc	<6.9		20	6.9	ug/L		02/26/25 16:29	03/11/25 13:40	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**190**		0.91	0.46	mg/L		02/26/25 16:22	03/06/25 11:06	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	**0.93**	**J**	1.0	0.45	mg/L			03/04/25 15:10	1
Nitrate as N (EPA 300.0)	<0.37	H	1.0	0.37	mg/L			03/04/25 15:10	1
Chloride (EPA 300.0)	**92**		1.0	0.42	mg/L			03/04/25 15:10	1
Nitrite as N (EPA 300.0)	<0.25	H	1.0	0.25	mg/L			03/04/25 15:10	1
Fluoride (EPA 300.0)	<0.43		1.0	0.43	mg/L			03/04/25 15:10	1
Nitrate Nitrite as N (EPA 300.0)	<0.37	H	1.0	0.37	mg/L			03/04/25 15:10	1
Sulfate (EPA 300.0)	**39**		1.0	0.47	mg/L			03/04/25 15:10	1
Cyanide, Total (EPA 335.4)	<0.0036		0.0050	0.0036	mg/L		03/03/25 12:00	03/03/25 16:02	1
Ammonia (EPA 350.1)	<0.10		0.20	0.10	mg/L		03/11/25 13:23	03/12/25 17:19	1
Phosphorus as P (EPA 365.1)	<0.024		0.050	0.024	mg/L		03/05/25 07:50	03/06/25 14:10	1
Alkalinity (SM 2320B)	**180**		5.0	3.7	mg/L			02/27/25 12:43	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**180**		5.0	3.7	mg/L			02/27/25 12:43	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<3.7		5.0	3.7	mg/L			02/27/25 12:43	1
Salinity (SM 2520B)	<0.33		0.33	0.33	psu			03/12/25 10:54	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264438-1

Client Sample ID: MW-1BR_20250224
Date Collected: 02/24/25 16:30
Date Received: 02/26/25 10:10

Lab Sample ID: 500-264438-11
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**390**		10	4.3	mg/L			02/28/25 12:11	1
Total Suspended Solids (SM 2540D)	<1.9		5.0	1.9	mg/L			02/26/25 14:55	1
Sulfide (SM 4500 S2 F)	<0.58		2.5	0.58	mg/L			03/03/25 12:15	1
Total Organic Carbon (SM 5310C)	**0.87**	**J**	1.0	0.47	mg/L			03/06/25 23:39	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon (SM 5310C)	**1.5**		1.0	0.47	mg/L			03/07/25 08:16	1

Client Sample Results

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264438-1

Client Sample ID: MW-1BR_20250224_FBLL
Date Collected: 02/24/25 16:30
Date Received: 02/26/25 10:10

Lab Sample ID: 500-264438-12
Matrix: Water

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			03/06/25 17:37	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264438-1

Client Sample ID: SBW-01_20250224

Date Collected: 02/24/25 15:30
Date Received: 02/26/25 10:10

Lab Sample ID: 500-264438-13

Matrix: Water

Method: EPA 1630 - Methyl Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	**0.14**	**B**	0.050	0.022	ng/L		03/12/25 10:25	03/12/25 23:12	1

Method: EPA 1630 - Methyl Mercury - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	**0.088**	**B**	0.050	0.022	ng/L		03/12/25 10:25	03/12/25 23:22	1

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**1.6**		0.50	0.20	ng/L			03/06/25 17:49	1

Method: EPA 1631E - Mercury, Low Level (CVAFS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**1.3**		0.50	0.20	ng/L			03/06/25 17:54	1

Method: EPA 1638 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.18**		0.050	0.0098	ug/L		03/14/25 11:45	03/15/25 01:01	1

Method: EPA 1638 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.17**		0.050	0.0098	ug/L		03/14/25 11:45	03/14/25 23:02	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**58**	**J**	100	25	ug/L		02/26/25 16:29	03/11/25 14:09	1
Antimony	<1.3		3.0	1.3	ug/L		02/26/25 16:29	03/11/25 14:09	1
Arsenic	**0.42**	**J**	1.0	0.23	ug/L		02/26/25 16:29	03/11/25 14:09	1
Barium	**47**		2.5	0.73	ug/L		02/26/25 16:29	03/11/25 14:09	1
Beryllium	<0.53		1.0	0.53	ug/L		02/26/25 16:29	03/11/25 14:09	1
Boron	**42**	**J**	50	13	ug/L		02/26/25 16:29	03/11/25 14:09	1
Cadmium	<0.17		0.50	0.17	ug/L		02/26/25 16:29	03/11/25 14:09	1
Calcium	**46000**		200	44	ug/L		02/26/25 16:29	03/11/25 14:09	1
Chromium	<1.1		5.0	1.1	ug/L		02/26/25 16:29	03/11/25 14:09	1
Cobalt	<0.40		1.0	0.40	ug/L		02/26/25 16:29	03/11/25 14:09	1
Copper	**4.5**		2.0	0.50	ug/L		02/26/25 16:29	03/11/25 14:09	1
Iron	**1100**		100	47	ug/L		02/26/25 16:29	03/11/25 14:09	1
Lead	<0.19		0.50	0.19	ug/L		02/26/25 16:29	03/11/25 14:09	1
Lithium	**3.6**	**J**	10	2.5	ug/L		02/26/25 16:29	03/11/25 14:09	1
Magnesium	**9300**		200	49	ug/L		02/26/25 16:29	03/11/25 14:09	1
Manganese	**510**		2.5	0.79	ug/L		02/26/25 16:29	03/11/25 14:09	1
Molybdenum	**11**		5.0	2.5	ug/L		02/26/25 16:29	03/11/25 14:09	1
Nickel	<0.63		2.0	0.63	ug/L		02/26/25 16:29	03/11/25 14:09	1
Potassium	**1800**		500	110	ug/L		02/26/25 16:29	03/11/25 14:09	1
Selenium	<0.98		2.5	0.98	ug/L		02/26/25 16:29	03/11/25 14:09	1
Silver	<0.12		0.50	0.12	ug/L		02/26/25 16:29	03/11/25 14:09	1
Sodium	**8500**		200	77	ug/L		02/26/25 16:29	03/11/25 14:09	1
Strontium	**110**		4.0	0.64	ug/L		02/26/25 16:29	03/11/25 14:09	1
Thallium	<0.57		2.0	0.57	ug/L		02/26/25 16:29	03/11/25 14:09	1
Tin	<1.3		5.0	1.3	ug/L		02/26/25 16:29	03/11/25 14:09	1
Vanadium	<2.2		5.0	2.2	ug/L		02/26/25 16:29	03/11/25 14:09	1
Zinc	<6.9		20	6.9	ug/L		02/26/25 16:29	03/11/25 14:09	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264438-1

Client Sample ID: SBW-01_20250224

Lab Sample ID: 500-264438-13

Date Collected: 02/24/25 15:30

Matrix: Water

Date Received: 02/26/25 10:10

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<25		100	25	ug/L		02/26/25 16:29	03/11/25 13:43	1
Antimony	<1.3		3.0	1.3	ug/L		02/26/25 16:29	03/11/25 13:43	1
Arsenic	**0.50**	**J**	1.0	0.23	ug/L		02/26/25 16:29	03/11/25 13:43	1
Barium	**66**		2.5	0.73	ug/L		02/26/25 16:29	03/11/25 13:43	1
Beryllium	<0.53		1.0	0.53	ug/L		02/26/25 16:29	03/11/25 13:43	1
Boron	**77**		50	13	ug/L		02/26/25 16:29	03/11/25 13:43	1
Cadmium	<0.17		0.50	0.17	ug/L		02/26/25 16:29	03/11/25 13:43	1
Calcium	**69000**		200	44	ug/L		02/26/25 16:29	03/11/25 13:43	1
Chromium	<1.1		5.0	1.1	ug/L		02/26/25 16:29	03/11/25 13:43	1
Cobalt	**0.53**	**J**	1.0	0.40	ug/L		02/26/25 16:29	03/11/25 13:43	1
Copper	**0.55**	**J**	2.0	0.50	ug/L		02/26/25 16:29	03/11/25 13:43	1
Iron	**330**		100	47	ug/L		02/26/25 16:29	03/11/25 13:43	1
Lead	<0.19		0.50	0.19	ug/L		02/26/25 16:29	03/11/25 13:43	1
Lithium	**5.4**	**J**	10	2.5	ug/L		02/26/25 16:29	03/11/25 13:43	1
Magnesium	**14000**		200	49	ug/L		02/26/25 16:29	03/11/25 13:43	1
Manganese	**820**		2.5	0.79	ug/L		02/26/25 16:29	03/11/25 13:43	1
Molybdenum	**24**		5.0	2.5	ug/L		02/26/25 16:29	03/11/25 13:43	1
Nickel	<0.63		2.0	0.63	ug/L		02/26/25 16:29	03/11/25 13:43	1
Potassium	**2300**		500	110	ug/L		02/26/25 16:29	03/11/25 13:43	1
Selenium	<0.98		2.5	0.98	ug/L		02/26/25 16:29	03/11/25 13:43	1
Silver	<0.12		0.50	0.12	ug/L		02/26/25 16:29	03/11/25 13:43	1
Sodium	**16000**		200	77	ug/L		02/26/25 16:29	03/11/25 13:43	1
Strontium	**180**		4.0	0.64	ug/L		02/26/25 16:29	03/11/25 13:43	1
Thallium	<0.57		2.0	0.57	ug/L		02/26/25 16:29	03/11/25 13:43	1
Tin	<1.3		5.0	1.3	ug/L		02/26/25 16:29	03/11/25 13:43	1
Vanadium	<2.2		5.0	2.2	ug/L		02/26/25 16:29	03/11/25 13:43	1
Zinc	<6.9		20	6.9	ug/L		02/26/25 16:29	03/11/25 13:43	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**150**		0.91	0.46	mg/L		02/26/25 16:29	03/11/25 10:33	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	<0.45		1.0	0.45	mg/L			03/04/25 15:25	1
Nitrate as N (EPA 300.0)	<0.37	H	1.0	0.37	mg/L			03/04/25 15:25	1
Chloride (EPA 300.0)	**3.9**		1.0	0.42	mg/L			03/04/25 15:25	1
Nitrite as N (EPA 300.0)	<0.25	H	1.0	0.25	mg/L			03/04/25 15:25	1
Fluoride (EPA 300.0)	<0.43		1.0	0.43	mg/L			03/04/25 15:25	1
Nitrate Nitrite as N (EPA 300.0)	<0.37	H	1.0	0.37	mg/L			03/04/25 15:25	1
Sulfate (EPA 300.0)	**1.6**		1.0	0.47	mg/L			03/04/25 15:25	1
Cyanide, Total (EPA 335.4)	<0.0036		0.0050	0.0036	mg/L		03/03/25 12:00	03/03/25 16:04	1
Ammonia (EPA 350.1)	<0.10		0.20	0.10	mg/L		03/11/25 13:23	03/12/25 17:22	1
Phosphorus as P (EPA 365.1)	<0.024		0.050	0.024	mg/L		03/05/25 07:50	03/06/25 14:11	1
Alkalinity (SM 2320B)	**130**		5.0	3.7	mg/L			02/27/25 13:03	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**130**		5.0	3.7	mg/L			02/27/25 13:03	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<3.7		5.0	3.7	mg/L			02/27/25 13:03	1
Salinity (SM 2520B)	<0.33		0.33	0.33	psu			03/12/25 10:54	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264438-1

Client Sample ID: SBW-01_20250224
Date Collected: 02/24/25 15:30
Date Received: 02/26/25 10:10

Lab Sample ID: 500-264438-13
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	150		10	4.3	mg/L			02/28/25 12:23	1
Total Suspended Solids (SM 2540D)	7.6		5.0	1.9	mg/L			02/26/25 15:00	1
Sulfide (SM 4500 S2 F)	<0.58		2.5	0.58	mg/L			03/03/25 12:07	1
Total Organic Carbon (SM 5310C)	11		1.0	0.47	mg/L			03/07/25 00:12	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon (SM 5310C)	10		1.0	0.47	mg/L			03/07/25 08:48	1

Client Sample Results

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264438-1

Client Sample ID: SBW-01_20250224_FBLL
Date Collected: 02/24/25 15:30
Date Received: 02/26/25 10:10

Lab Sample ID: 500-264438-14
Matrix: Water

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			03/06/25 17:58	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264438-1

Client Sample ID: TBN-01_20250224

Date Collected: 02/24/25 17:00
Date Received: 02/26/25 10:10

Lab Sample ID: 500-264438-15

Matrix: Water

Method: EPA 1630 - Methyl Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		02/28/25 12:15	02/28/25 22:58	1

Method: EPA 1630 - Methyl Mercury - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		02/28/25 12:15	02/28/25 23:08	1

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**20**		0.50	0.20	ng/L			03/06/25 18:02	1

Method: EPA 1631E - Mercury, Low Level (CVAFS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**8.3**		0.50	0.20	ng/L			03/06/25 18:06	1

Method: EPA 1638 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.67**		0.050	0.0098	ug/L		03/14/25 11:45	03/15/25 01:05	1

Method: EPA 1638 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.63**		0.050	0.0098	ug/L		03/14/25 11:45	03/14/25 23:05	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**89**	**J**	100	25	ug/L		02/27/25 08:23	03/10/25 13:50	1
Antimony	<1.3		3.0	1.3	ug/L		02/27/25 08:23	03/10/25 13:50	1
Arsenic	**2.1**		1.0	0.23	ug/L		02/27/25 08:23	03/10/25 13:50	1
Barium	**63**		2.5	0.73	ug/L		02/27/25 08:23	03/10/25 13:50	1
Beryllium	<0.53		1.0	0.53	ug/L		02/27/25 08:23	03/10/25 13:50	1
Boron	**180**	**B**	50	13	ug/L		02/27/25 08:23	03/12/25 13:24	1
Cadmium	<0.17		0.50	0.17	ug/L		02/27/25 08:23	03/10/25 13:50	1
Calcium	**67000**		200	44	ug/L		02/27/25 08:23	03/10/25 13:50	1
Chromium	<1.1		5.0	1.1	ug/L		02/27/25 08:23	03/10/25 13:50	1
Cobalt	<0.40		1.0	0.40	ug/L		02/27/25 08:23	03/10/25 13:50	1
Copper	**87**		2.0	0.50	ug/L		02/27/25 08:23	03/10/25 13:50	1
Iron	**160**		100	47	ug/L		02/27/25 08:23	03/10/25 13:50	1
Lead	**0.42**	**J**	0.50	0.19	ug/L		02/27/25 08:23	03/10/25 13:50	1
Lithium	**28**		10	2.5	ug/L		02/27/25 08:23	03/10/25 13:50	1
Magnesium	**7500**		200	49	ug/L		02/27/25 08:23	03/10/25 13:50	1
Manganese	**32**		2.5	0.79	ug/L		02/27/25 08:23	03/10/25 13:50	1
Molybdenum	**14**		5.0	2.5	ug/L		02/27/25 08:23	03/10/25 13:50	1
Nickel	<0.63		2.0	0.63	ug/L		02/27/25 08:23	03/10/25 13:50	1
Potassium	**4200**		500	110	ug/L		02/27/25 08:23	03/10/25 13:50	1
Selenium	**1.3**	**J**	2.5	0.98	ug/L		02/27/25 08:23	03/10/25 13:50	1
Silver	<0.12		0.50	0.12	ug/L		02/27/25 08:23	03/10/25 13:50	1
Sodium	**35000**		200	77	ug/L		02/27/25 08:23	03/10/25 13:50	1
Strontium	**680**		4.0	0.64	ug/L		02/27/25 08:23	03/10/25 13:50	1
Thallium	<0.57		2.0	0.57	ug/L		02/27/25 08:23	03/10/25 13:50	1
Tin	<1.3		5.0	1.3	ug/L		02/27/25 08:23	03/10/25 13:50	1
Vanadium	<2.2		5.0	2.2	ug/L		02/27/25 08:23	03/10/25 13:50	1
Zinc	<6.9		20	6.9	ug/L		02/27/25 08:23	03/10/25 13:50	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264438-1

Client Sample ID: TBN-01_20250224

Date Collected: 02/24/25 17:00
Date Received: 02/26/25 10:10

Lab Sample ID: 500-264438-15

Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<25		100	25	ug/L		02/27/25 08:23	03/10/25 13:53	1
Antimony	<1.3		3.0	1.3	ug/L		02/27/25 08:23	03/10/25 13:53	1
Arsenic	**2.2**		1.0	0.23	ug/L		02/27/25 08:23	03/10/25 13:53	1
Barium	**61**		2.5	0.73	ug/L		02/27/25 08:23	03/10/25 13:53	1
Beryllium	<0.53		1.0	0.53	ug/L		02/27/25 08:23	03/10/25 13:53	1
Boron	**160**	**B**	50	13	ug/L		02/27/25 08:23	03/12/25 13:32	1
Cadmium	<0.17		0.50	0.17	ug/L		02/27/25 08:23	03/10/25 13:53	1
Calcium	**65000**		200	44	ug/L		02/27/25 08:23	03/10/25 13:53	1
Chromium	<1.1		5.0	1.1	ug/L		02/27/25 08:23	03/10/25 13:53	1
Cobalt	<0.40		1.0	0.40	ug/L		02/27/25 08:23	03/10/25 13:53	1
Copper	**46**		2.0	0.50	ug/L		02/27/25 08:23	03/10/25 13:53	1
Iron	<47		100	47	ug/L		02/27/25 08:23	03/10/25 13:53	1
Lead	<0.19		0.50	0.19	ug/L		02/27/25 08:23	03/10/25 13:53	1
Lithium	**27**		10	2.5	ug/L		02/27/25 08:23	03/10/25 13:53	1
Magnesium	**7300**		200	49	ug/L		02/27/25 08:23	03/10/25 13:53	1
Manganese	**26**		2.5	0.79	ug/L		02/27/25 08:23	03/10/25 13:53	1
Molybdenum	**14**		5.0	2.5	ug/L		02/27/25 08:23	03/10/25 13:53	1
Nickel	<0.63		2.0	0.63	ug/L		02/27/25 08:23	03/10/25 13:53	1
Potassium	**4100**		500	110	ug/L		02/27/25 08:23	03/10/25 13:53	1
Selenium	**1.5**	**J**	2.5	0.98	ug/L		02/27/25 08:23	03/10/25 13:53	1
Silver	<0.12		0.50	0.12	ug/L		02/27/25 08:23	03/10/25 13:53	1
Sodium	**35000**		200	77	ug/L		02/27/25 08:23	03/10/25 13:53	1
Strontium	**660**		4.0	0.64	ug/L		02/27/25 08:23	03/10/25 13:53	1
Thallium	<0.57		2.0	0.57	ug/L		02/27/25 08:23	03/10/25 13:53	1
Tin	<1.3		5.0	1.3	ug/L		02/27/25 08:23	03/10/25 13:53	1
Vanadium	<2.2		5.0	2.2	ug/L		02/27/25 08:23	03/10/25 13:53	1
Zinc	<6.9		20	6.9	ug/L		02/27/25 08:23	03/10/25 13:53	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**200**		0.91	0.46	mg/L		02/27/25 08:23	03/11/25 10:36	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	**0.61**	**J**	1.0	0.45	mg/L			03/04/25 15:41	1
Nitrate as N (EPA 300.0)	<0.37	H F1	1.0	0.37	mg/L			03/04/25 15:41	1
Chloride (EPA 300.0)	**77**		1.0	0.42	mg/L			03/04/25 15:41	1
Nitrite as N (EPA 300.0)	<0.25	H	1.0	0.25	mg/L			03/04/25 15:41	1
Fluoride (EPA 300.0)	<0.43		1.0	0.43	mg/L			03/04/25 15:41	1
Nitrate Nitrite as N (EPA 300.0)	<0.37	H	1.0	0.37	mg/L			03/04/25 15:41	1
Sulfate (EPA 300.0)	**28**		1.0	0.47	mg/L			03/04/25 15:41	1
Cyanide, Total (EPA 335.4)	<0.0036		0.0050	0.0036	mg/L		03/03/25 12:00	03/03/25 16:05	1
Ammonia (EPA 350.1)	<0.10		0.20	0.10	mg/L		03/11/25 13:23	03/12/25 17:23	1
Phosphorus as P (EPA 365.1)	<0.024		0.050	0.024	mg/L		03/05/25 07:50	03/06/25 14:11	1
Alkalinity (SM 2320B)	**93**		5.0	3.7	mg/L			02/27/25 13:12	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**93**		5.0	3.7	mg/L			02/27/25 13:12	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<3.7		5.0	3.7	mg/L			02/27/25 13:12	1
Salinity (SM 2520B)	<0.33		0.33	0.33	psu			03/12/25 10:54	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264438-1

Client Sample ID: TBN-01_20250224
Date Collected: 02/24/25 17:00
Date Received: 02/26/25 10:10

Lab Sample ID: 500-264438-15
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**320**		10	4.3	mg/L			02/28/25 12:27	1
Total Suspended Solids (SM 2540D)	<1.9		5.0	1.9	mg/L			02/26/25 15:05	1
Sulfide (SM 4500 S2 F)	<0.58		2.5	0.58	mg/L			03/03/25 11:37	1
Total Organic Carbon (SM 5310C)	**3.9**		1.0	0.47	mg/L			03/07/25 02:53	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon (SM 5310C)	**3.6**		1.0	0.47	mg/L			03/07/25 09:20	1

Client Sample Results

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264438-1

Client Sample ID: TBN-01_20250224_FBLL
Date Collected: 02/24/25 17:00
Date Received: 02/26/25 10:10

Lab Sample ID: 500-264438-16
Matrix: Water

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			03/06/25 18:10	1

Qualifiers

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F1	MS and/or MSD recovery exceeds control limits.
F5	Duplicate RPD exceeds limit, and one or both sample results are less than 5 times RL, and the absolute difference between results is < the upper reporting limits for both.
H	Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.
H3	Sample was received and analyzed past holding time. This does not meet regulatory requirements.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Metals

Prep Batch: 5278

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264438-15	TBN-01_20250224	Dissolved	Water	1630	
500-264438-15	TBN-01_20250224	Total/NA	Water	1630	
MB 350-5278/1-A	Method Blank	Total/NA	Water	1630	
MB 350-5278/2-A	Method Blank	Total/NA	Water	1630	
MB 350-5278/3-A	Method Blank	Total/NA	Water	1630	
LCS 350-5278/4-A	Lab Control Sample	Total/NA	Water	1630	
LCSD 350-5278/5-A	Lab Control Sample Dup	Total/NA	Water	1630	

Analysis Batch: 5300

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264438-15	TBN-01_20250224	Dissolved	Water	1630	5278
500-264438-15	TBN-01_20250224	Total/NA	Water	1630	5278
MB 350-5278/1-A	Method Blank	Total/NA	Water	1630	5278
MB 350-5278/2-A	Method Blank	Total/NA	Water	1630	5278
MB 350-5278/3-A	Method Blank	Total/NA	Water	1630	5278
LCS 350-5278/4-A	Lab Control Sample	Total/NA	Water	1630	5278
LCSD 350-5278/5-A	Lab Control Sample Dup	Total/NA	Water	1630	5278

Analysis Batch: 5423

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264438-1	DKC-01_20250224	Dissolved	Water	1631E	
500-264438-1	DKC-01_20250224	Total/NA	Water	1631E	
500-264438-2	DKC-01_20250224_FBLL	Total/NA	Water	1631E	
500-264438-3	ARC-01_20250224	Dissolved	Water	1631E	
500-264438-3	ARC-01_20250224	Total/NA	Water	1631E	
500-264438-4	ARC-01_20250224_FBLL	Total/NA	Water	1631E	
500-264438-5	TBS-01_20250224	Dissolved	Water	1631E	
500-264438-5	TBS-01_20250224	Total/NA	Water	1631E	
500-264438-6	TBS-01_20250224_FBLL	Total/NA	Water	1631E	
500-264438-7	SBD-01_20250224	Dissolved	Water	1631E	
500-264438-7	SBD-01_20250224	Total/NA	Water	1631E	
500-264438-8	SBD-01_20250224_FBLL	Total/NA	Water	1631E	
500-264438-9	MW-1AR_20250224	Dissolved	Water	1631E	
500-264438-9	MW-1AR_20250224	Total/NA	Water	1631E	
500-264438-10	MW-1AR_20250224_FBLL	Total/NA	Water	1631E	
500-264438-11	MW-1BR_20250224	Dissolved	Water	1631E	
500-264438-11	MW-1BR_20250224	Total/NA	Water	1631E	
500-264438-12	MW-1BR_20250224_FBLL	Total/NA	Water	1631E	
500-264438-13	SBW-01_20250224	Dissolved	Water	1631E	
500-264438-13	SBW-01_20250224	Total/NA	Water	1631E	
500-264438-14	SBW-01_20250224_FBLL	Total/NA	Water	1631E	
500-264438-15	TBN-01_20250224	Dissolved	Water	1631E	
500-264438-15	TBN-01_20250224	Total/NA	Water	1631E	
500-264438-16	TBN-01_20250224_FBLL	Total/NA	Water	1631E	
MB 350-5423/52	Method Blank	Total/NA	Water	1631E	
MB 350-5423/53	Method Blank	Total/NA	Water	1631E	
MB 350-5423/54	Method Blank	Total/NA	Water	1631E	
MB 350-5423/63	Method Blank	Total/NA	Water	1631E	
MB 350-5423/64	Method Blank	Total/NA	Water	1631E	
MB 350-5423/65	Method Blank	Total/NA	Water	1631E	
LCS 350-5423/55	Lab Control Sample	Total/NA	Water	1631E	

Metals (Continued)

Analysis Batch: 5423 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 350-5423/66	Lab Control Sample	Total/NA	Water	1631E	
LCSD 350-5423/56	Lab Control Sample Dup	Total/NA	Water	1631E	
LCSD 350-5423/67	Lab Control Sample Dup	Total/NA	Water	1631E	

Prep Batch: 5507

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264438-1	DKC-01_20250224	Dissolved	Water	1630	
500-264438-1	DKC-01_20250224	Total/NA	Water	1630	
500-264438-3	ARC-01_20250224	Dissolved	Water	1630	
500-264438-3	ARC-01_20250224	Total/NA	Water	1630	
500-264438-5	TBS-01_20250224	Dissolved	Water	1630	
500-264438-5	TBS-01_20250224	Total/NA	Water	1630	
500-264438-7	SBD-01_20250224	Dissolved	Water	1630	
500-264438-7	SBD-01_20250224	Total/NA	Water	1630	
500-264438-9	MW-1AR_20250224	Dissolved	Water	1630	
500-264438-9	MW-1AR_20250224	Total/NA	Water	1630	
500-264438-11	MW-1BR_20250224	Dissolved	Water	1630	
500-264438-11	MW-1BR_20250224	Total/NA	Water	1630	
500-264438-13	SBW-01_20250224	Dissolved	Water	1630	
500-264438-13	SBW-01_20250224	Total/NA	Water	1630	
MB 350-5507/1-A	Method Blank	Total/NA	Water	1630	
MB 350-5507/2-A	Method Blank	Total/NA	Water	1630	
MB 350-5507/3-A	Method Blank	Total/NA	Water	1630	
LCS 350-5507/4-A	Lab Control Sample	Total/NA	Water	1630	
LCSD 350-5507/5-A	Lab Control Sample Dup	Total/NA	Water	1630	
500-264438-3 MS	ARC-01_20250224	Total/NA	Water	1630	
500-264438-3 MSD	ARC-01_20250224	Total/NA	Water	1630	

Analysis Batch: 5542

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264438-1	DKC-01_20250224	Dissolved	Water	1630	5507
500-264438-1	DKC-01_20250224	Total/NA	Water	1630	5507
500-264438-3	ARC-01_20250224	Dissolved	Water	1630	5507
500-264438-3	ARC-01_20250224	Total/NA	Water	1630	5507
500-264438-5	TBS-01_20250224	Dissolved	Water	1630	5507
500-264438-5	TBS-01_20250224	Total/NA	Water	1630	5507
500-264438-7	SBD-01_20250224	Dissolved	Water	1630	5507
500-264438-7	SBD-01_20250224	Total/NA	Water	1630	5507
500-264438-9	MW-1AR_20250224	Dissolved	Water	1630	5507
500-264438-9	MW-1AR_20250224	Total/NA	Water	1630	5507
500-264438-11	MW-1BR_20250224	Dissolved	Water	1630	5507
500-264438-11	MW-1BR_20250224	Total/NA	Water	1630	5507
500-264438-13	SBW-01_20250224	Dissolved	Water	1630	5507
500-264438-13	SBW-01_20250224	Total/NA	Water	1630	5507
MB 350-5507/1-A	Method Blank	Total/NA	Water	1630	5507
MB 350-5507/2-A	Method Blank	Total/NA	Water	1630	5507
MB 350-5507/3-A	Method Blank	Total/NA	Water	1630	5507
LCS 350-5507/4-A	Lab Control Sample	Total/NA	Water	1630	5507
LCSD 350-5507/5-A	Lab Control Sample Dup	Total/NA	Water	1630	5507
500-264438-3 MS	ARC-01_20250224	Total/NA	Water	1630	5507
500-264438-3 MSD	ARC-01_20250224	Total/NA	Water	1630	5507

Metals

Prep Batch: 5549

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264438-1	DKC-01_20250224	Dissolved	Water	1638	
500-264438-3	ARC-01_20250224	Dissolved	Water	1638	
500-264438-5	TBS-01_20250224	Dissolved	Water	1638	
500-264438-7	SBD-01_20250224	Dissolved	Water	1638	
500-264438-9	MW-1AR_20250224	Dissolved	Water	1638	
500-264438-11	MW-1BR_20250224	Dissolved	Water	1638	
500-264438-13	SBW-01_20250224	Dissolved	Water	1638	
500-264438-15	TBN-01_20250224	Dissolved	Water	1638	
MB 350-5549/1-A	Method Blank	Total Recoverable	Water	1638	
MB 350-5549/2-A	Method Blank	Total Recoverable	Water	1638	
LCS 350-5549/3-A	Lab Control Sample	Total Recoverable	Water	1638	
LCSD 350-5549/4-A	Lab Control Sample Dup	Total Recoverable	Water	1638	
500-264438-1 MS	DKC-01_20250224	Dissolved	Water	1638	
500-264438-1 MSD	DKC-01_20250224	Dissolved	Water	1638	

Prep Batch: 5551

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264438-1	DKC-01_20250224	Total Recoverable	Water	1638	
500-264438-3	ARC-01_20250224	Total Recoverable	Water	1638	
500-264438-5	TBS-01_20250224	Total Recoverable	Water	1638	
500-264438-7	SBD-01_20250224	Total Recoverable	Water	1638	
500-264438-9	MW-1AR_20250224	Total Recoverable	Water	1638	
500-264438-11	MW-1BR_20250224	Total Recoverable	Water	1638	
500-264438-13	SBW-01_20250224	Total Recoverable	Water	1638	
500-264438-15	TBN-01_20250224	Total Recoverable	Water	1638	
MB 350-5551/1-A	Method Blank	Total Recoverable	Water	1638	
MB 350-5551/2-A	Method Blank	Total Recoverable	Water	1638	
LCS 350-5551/3-A	Lab Control Sample	Total Recoverable	Water	1638	
LCSD 350-5551/4-A	Lab Control Sample Dup	Total Recoverable	Water	1638	
500-264438-1 MS	DKC-01_20250224	Total Recoverable	Water	1638	
500-264438-1 MSD	DKC-01_20250224	Total Recoverable	Water	1638	

Analysis Batch: 5599

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264438-1	DKC-01_20250224	Dissolved	Water	1638	5549
500-264438-1	DKC-01_20250224	Total Recoverable	Water	1638	5551
500-264438-3	ARC-01_20250224	Dissolved	Water	1638	5549
500-264438-3	ARC-01_20250224	Total Recoverable	Water	1638	5551
500-264438-5	TBS-01_20250224	Dissolved	Water	1638	5549
500-264438-5	TBS-01_20250224	Total Recoverable	Water	1638	5551
500-264438-7	SBD-01_20250224	Dissolved	Water	1638	5549
500-264438-7	SBD-01_20250224	Total Recoverable	Water	1638	5551
500-264438-9	MW-1AR_20250224	Dissolved	Water	1638	5549
500-264438-9	MW-1AR_20250224	Total Recoverable	Water	1638	5551
500-264438-11	MW-1BR_20250224	Dissolved	Water	1638	5549
500-264438-11	MW-1BR_20250224	Total Recoverable	Water	1638	5551
500-264438-13	SBW-01_20250224	Dissolved	Water	1638	5549
500-264438-13	SBW-01_20250224	Total Recoverable	Water	1638	5551
500-264438-15	TBN-01_20250224	Dissolved	Water	1638	5549
500-264438-15	TBN-01_20250224	Total Recoverable	Water	1638	5551
MB 350-5549/1-A	Method Blank	Total Recoverable	Water	1638	5549

Metals (Continued)

Analysis Batch: 5599 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 350-5549/2-A	Method Blank	Total Recoverable	Water	1638	5549
MB 350-5551/1-A	Method Blank	Total Recoverable	Water	1638	5551
MB 350-5551/2-A	Method Blank	Total Recoverable	Water	1638	5551
LCS 350-5549/3-A	Lab Control Sample	Total Recoverable	Water	1638	5549
LCS 350-5551/3-A	Lab Control Sample	Total Recoverable	Water	1638	5551
LCSD 350-5549/4-A	Lab Control Sample Dup	Total Recoverable	Water	1638	5549
LCSD 350-5551/4-A	Lab Control Sample Dup	Total Recoverable	Water	1638	5551
500-264438-1 MS	DKC-01_20250224	Dissolved	Water	1638	5549
500-264438-1 MS	DKC-01_20250224	Total Recoverable	Water	1638	5551
500-264438-1 MSD	DKC-01_20250224	Dissolved	Water	1638	5549
500-264438-1 MSD	DKC-01_20250224	Total Recoverable	Water	1638	5551

Prep Batch: 807837

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264438-1	DKC-01_20250224	Total Recoverable	Water	3005A	
500-264438-3	ARC-01_20250224	Total Recoverable	Water	3005A	
500-264438-5	TBS-01_20250224	Total Recoverable	Water	3005A	
500-264438-7	SBD-01_20250224	Total Recoverable	Water	3005A	
500-264438-9	MW-1AR_20250224	Total Recoverable	Water	3005A	
500-264438-11	MW-1BR_20250224	Total Recoverable	Water	3005A	
MB 500-807837/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 500-807837/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Prep Batch: 807838

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264438-1	DKC-01_20250224	Dissolved	Water	3005A	
500-264438-3	ARC-01_20250224	Dissolved	Water	3005A	
500-264438-5	TBS-01_20250224	Dissolved	Water	3005A	
500-264438-7	SBD-01_20250224	Dissolved	Water	3005A	
500-264438-9	MW-1AR_20250224	Dissolved	Water	3005A	
500-264438-11	MW-1BR_20250224	Dissolved	Water	3005A	
500-264438-13	SBW-01_20250224	Dissolved	Water	3005A	
500-264438-13	SBW-01_20250224	Total Recoverable	Water	3005A	
MB 500-807838/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 500-807838/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
500-264438-1 MS	DKC-01_20250224	Dissolved	Water	3005A	
500-264438-1 MSD	DKC-01_20250224	Dissolved	Water	3005A	
500-264438-1 DU	DKC-01_20250224	Dissolved	Water	3005A	

Prep Batch: 807898

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264438-15	TBN-01_20250224	Dissolved	Water	3005A	
500-264438-15	TBN-01_20250224	Total Recoverable	Water	3005A	
MB 500-807898/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 500-807898/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Analysis Batch: 808819

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264438-1	DKC-01_20250224	Total Recoverable	Water	6020B	807837
500-264438-3	ARC-01_20250224	Total Recoverable	Water	6020B	807837
500-264438-5	TBS-01_20250224	Total Recoverable	Water	6020B	807837

Metals (Continued)

Analysis Batch: 808819 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264438-7	SBD-01_20250224	Total Recoverable	Water	6020B	807837
500-264438-9	MW-1AR_20250224	Total Recoverable	Water	6020B	807837
500-264438-11	MW-1BR_20250224	Total Recoverable	Water	6020B	807837
MB 500-807837/1-A	Method Blank	Total Recoverable	Water	6020B	807837
LCS 500-807837/2-A	Lab Control Sample	Total Recoverable	Water	6020B	807837

Analysis Batch: 808888

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264438-1	DKC-01_20250224	Total Recoverable	Water	SM 2340B	807837
500-264438-3	ARC-01_20250224	Total Recoverable	Water	SM 2340B	807837
500-264438-5	TBS-01_20250224	Total Recoverable	Water	SM 2340B	807837
500-264438-7	SBD-01_20250224	Total Recoverable	Water	SM 2340B	807837
500-264438-9	MW-1AR_20250224	Total Recoverable	Water	SM 2340B	807837
500-264438-11	MW-1BR_20250224	Total Recoverable	Water	SM 2340B	807837
500-264438-13	SBW-01_20250224	Total Recoverable	Water	SM 2340B	807838
500-264438-15	TBN-01_20250224	Total Recoverable	Water	SM 2340B	807898

Analysis Batch: 809039

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264438-1	DKC-01_20250224	Total Recoverable	Water	6020B	807837
500-264438-3	ARC-01_20250224	Total Recoverable	Water	6020B	807837
500-264438-5	TBS-01_20250224	Total Recoverable	Water	6020B	807837
500-264438-7	SBD-01_20250224	Total Recoverable	Water	6020B	807837
500-264438-9	MW-1AR_20250224	Total Recoverable	Water	6020B	807837
500-264438-11	MW-1BR_20250224	Total Recoverable	Water	6020B	807837
MB 500-807837/1-A	Method Blank	Total Recoverable	Water	6020B	807837
LCS 500-807837/2-A	Lab Control Sample	Total Recoverable	Water	6020B	807837

Analysis Batch: 809424

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264438-15	TBN-01_20250224	Dissolved	Water	6020B	807898
500-264438-15	TBN-01_20250224	Total Recoverable	Water	6020B	807898
MB 500-807898/1-A	Method Blank	Total Recoverable	Water	6020B	807898
LCS 500-807898/2-A	Lab Control Sample	Total Recoverable	Water	6020B	807898

Analysis Batch: 809425

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264438-1	DKC-01_20250224	Dissolved	Water	6020B	807838
500-264438-3	ARC-01_20250224	Dissolved	Water	6020B	807838
500-264438-5	TBS-01_20250224	Dissolved	Water	6020B	807838
500-264438-7	SBD-01_20250224	Dissolved	Water	6020B	807838
500-264438-9	MW-1AR_20250224	Dissolved	Water	6020B	807838
MB 500-807838/1-A	Method Blank	Total Recoverable	Water	6020B	807838
LCS 500-807838/2-A	Lab Control Sample	Total Recoverable	Water	6020B	807838
500-264438-1 MS	DKC-01_20250224	Dissolved	Water	6020B	807838
500-264438-1 MSD	DKC-01_20250224	Dissolved	Water	6020B	807838
500-264438-1 DU	DKC-01_20250224	Dissolved	Water	6020B	807838

Analysis Batch: 809499

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264438-1	DKC-01_20250224	Dissolved	Water	6020B	807838

Metals (Continued)

Analysis Batch: 809499 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264438-3	ARC-01_20250224	Dissolved	Water	6020B	807838
500-264438-5	TBS-01_20250224	Dissolved	Water	6020B	807838
500-264438-7	SBD-01_20250224	Dissolved	Water	6020B	807838
500-264438-9	MW-1AR_20250224	Dissolved	Water	6020B	807838
500-264438-11	MW-1BR_20250224	Dissolved	Water	6020B	807838
500-264438-13	SBW-01_20250224	Dissolved	Water	6020B	807838
500-264438-13	SBW-01_20250224	Total Recoverable	Water	6020B	807838
500-264438-1 MS	DKC-01_20250224	Dissolved	Water	6020B	807838
500-264438-1 MSD	DKC-01_20250224	Dissolved	Water	6020B	807838
500-264438-1 DU	DKC-01_20250224	Dissolved	Water	6020B	807838

Analysis Batch: 809745

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264438-15	TBN-01_20250224	Dissolved	Water	6020B	807898
500-264438-15	TBN-01_20250224	Total Recoverable	Water	6020B	807898

General Chemistry

Analysis Batch: 807803

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264438-1	DKC-01_20250224	Total/NA	Water	SM 2540D	
500-264438-3	ARC-01_20250224	Total/NA	Water	SM 2540D	
500-264438-5	TBS-01_20250224	Total/NA	Water	SM 2540D	
500-264438-7	SBD-01_20250224	Total/NA	Water	SM 2540D	
500-264438-9	MW-1AR_20250224	Total/NA	Water	SM 2540D	
500-264438-11	MW-1BR_20250224	Total/NA	Water	SM 2540D	
500-264438-13	SBW-01_20250224	Total/NA	Water	SM 2540D	
500-264438-15	TBN-01_20250224	Total/NA	Water	SM 2540D	
MB 500-807803/1	Method Blank	Total/NA	Water	SM 2540D	
LCS 500-807803/2	Lab Control Sample	Total/NA	Water	SM 2540D	
500-264438-3 MS	ARC-01_20250224	Total/NA	Water	SM 2540D	
500-264438-1 DU	DKC-01_20250224	Total/NA	Water	SM 2540D	

Analysis Batch: 807891

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264438-1	DKC-01_20250224	Total/NA	Water	300.0	
500-264438-3	ARC-01_20250224	Total/NA	Water	300.0	
500-264438-5	TBS-01_20250224	Total/NA	Water	300.0	
500-264438-7	SBD-01_20250224	Total/NA	Water	300.0	
500-264438-9	MW-1AR_20250224	Total/NA	Water	300.0	
500-264438-11	MW-1BR_20250224	Total/NA	Water	300.0	
500-264438-13	SBW-01_20250224	Total/NA	Water	300.0	
500-264438-15	TBN-01_20250224	Total/NA	Water	300.0	
MB 500-807891/3	Method Blank	Total/NA	Water	300.0	
LCS 500-807891/4	Lab Control Sample	Total/NA	Water	300.0	
500-264438-15 MS	TBN-01_20250224	Total/NA	Water	300.0	
500-264438-15 MSD	TBN-01_20250224	Total/NA	Water	300.0	

Analysis Batch: 807892

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264438-1	DKC-01_20250224	Total/NA	Water	300.0	

General Chemistry (Continued)

Analysis Batch: 807892 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264438-3	ARC-01_20250224	Total/NA	Water	300.0	
500-264438-5	TBS-01_20250224	Total/NA	Water	300.0	
500-264438-7	SBD-01_20250224	Total/NA	Water	300.0	
500-264438-9	MW-1AR_20250224	Total/NA	Water	300.0	
500-264438-11	MW-1BR_20250224	Total/NA	Water	300.0	
500-264438-13	SBW-01_20250224	Total/NA	Water	300.0	
500-264438-15	TBN-01_20250224	Total/NA	Water	300.0	
MB 500-807892/3	Method Blank	Total/NA	Water	300.0	
LCS 500-807892/4	Lab Control Sample	Total/NA	Water	300.0	
500-264438-15 MS	TBN-01_20250224	Total/NA	Water	300.0	
500-264438-15 MSD	TBN-01_20250224	Total/NA	Water	300.0	

Analysis Batch: 808054

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264438-1	DKC-01_20250224	Total/NA	Water	SM 2320B	
500-264438-3	ARC-01_20250224	Total/NA	Water	SM 2320B	
500-264438-5	TBS-01_20250224	Total/NA	Water	SM 2320B	
500-264438-7	SBD-01_20250224	Total/NA	Water	SM 2320B	
500-264438-9	MW-1AR_20250224	Total/NA	Water	SM 2320B	
500-264438-11	MW-1BR_20250224	Total/NA	Water	SM 2320B	
500-264438-13	SBW-01_20250224	Total/NA	Water	SM 2320B	
500-264438-15	TBN-01_20250224	Total/NA	Water	SM 2320B	
MB 500-808054/3	Method Blank	Total/NA	Water	SM 2320B	
LCS 500-808054/4	Lab Control Sample	Total/NA	Water	SM 2320B	
500-264438-11 DU	MW-1BR_20250224	Total/NA	Water	SM 2320B	

Analysis Batch: 808095

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264438-1	DKC-01_20250224	Total/NA	Water	SM 2540C	
500-264438-3	ARC-01_20250224	Total/NA	Water	SM 2540C	
500-264438-5	TBS-01_20250224	Total/NA	Water	SM 2540C	
500-264438-7	SBD-01_20250224	Total/NA	Water	SM 2540C	
500-264438-9	MW-1AR_20250224	Total/NA	Water	SM 2540C	
500-264438-11	MW-1BR_20250224	Total/NA	Water	SM 2540C	
500-264438-13	SBW-01_20250224	Total/NA	Water	SM 2540C	
500-264438-15	TBN-01_20250224	Total/NA	Water	SM 2540C	
MB 500-808095/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-808095/2	Lab Control Sample	Total/NA	Water	SM 2540C	
500-264438-11 MS	MW-1BR_20250224	Total/NA	Water	SM 2540C	
500-264438-3 DU	ARC-01_20250224	Total/NA	Water	SM 2540C	
500-264438-11 DU	MW-1BR_20250224	Total/NA	Water	SM 2540C	

Prep Batch: 808322

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264438-1	DKC-01_20250224	Total/NA	Water	Distill/CN	
MB 500-808322/1-A	Method Blank	Total/NA	Water	Distill/CN	
LCS 500-808322/2-A	Lab Control Sample	Total/NA	Water	Distill/CN	

Prep Batch: 808349

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264438-3	ARC-01_20250224	Total/NA	Water	Distill/CN	

General Chemistry (Continued)

Prep Batch: 808349 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264438-5	TBS-01_20250224	Total/NA	Water	Distill/CN	
500-264438-7	SBD-01_20250224	Total/NA	Water	Distill/CN	
500-264438-9	MW-1AR_20250224	Total/NA	Water	Distill/CN	
500-264438-11	MW-1BR_20250224	Total/NA	Water	Distill/CN	
500-264438-13	SBW-01_20250224	Total/NA	Water	Distill/CN	
500-264438-15	TBN-01_20250224	Total/NA	Water	Distill/CN	
MB 500-808349/1-A	Method Blank	Total/NA	Water	Distill/CN	
LCS 500-808349/2-A	Lab Control Sample	Total/NA	Water	Distill/CN	
500-264438-11 MS	MW-1BR_20250224	Total/NA	Water	Distill/CN	
500-264438-11 MSD	MW-1BR_20250224	Total/NA	Water	Distill/CN	

Analysis Batch: 808415

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264438-1	DKC-01_20250224	Total/NA	Water	SM 4500 S2 F	
500-264438-3	ARC-01_20250224	Total/NA	Water	SM 4500 S2 F	
500-264438-5	TBS-01_20250224	Total/NA	Water	SM 4500 S2 F	
500-264438-7	SBD-01_20250224	Total/NA	Water	SM 4500 S2 F	
500-264438-9	MW-1AR_20250224	Total/NA	Water	SM 4500 S2 F	
500-264438-11	MW-1BR_20250224	Total/NA	Water	SM 4500 S2 F	
500-264438-13	SBW-01_20250224	Total/NA	Water	SM 4500 S2 F	
500-264438-15	TBN-01_20250224	Total/NA	Water	SM 4500 S2 F	
MB 500-808415/1	Method Blank	Total/NA	Water	SM 4500 S2 F	
LCS 500-808415/2	Lab Control Sample	Total/NA	Water	SM 4500 S2 F	
500-264438-1 MS	DKC-01_20250224	Total/NA	Water	SM 4500 S2 F	
500-264438-1 MSD	DKC-01_20250224	Total/NA	Water	SM 4500 S2 F	

Analysis Batch: 808442

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264438-1	DKC-01_20250224	Total/NA	Water	335.4	808322
500-264438-3	ARC-01_20250224	Total/NA	Water	335.4	808349
500-264438-5	TBS-01_20250224	Total/NA	Water	335.4	808349
500-264438-7	SBD-01_20250224	Total/NA	Water	335.4	808349
500-264438-9	MW-1AR_20250224	Total/NA	Water	335.4	808349
500-264438-11	MW-1BR_20250224	Total/NA	Water	335.4	808349
500-264438-13	SBW-01_20250224	Total/NA	Water	335.4	808349
500-264438-15	TBN-01_20250224	Total/NA	Water	335.4	808349
MB 500-808322/1-A	Method Blank	Total/NA	Water	335.4	808322
MB 500-808349/1-A	Method Blank	Total/NA	Water	335.4	808349
LCS 500-808322/2-A	Lab Control Sample	Total/NA	Water	335.4	808322
LCS 500-808349/2-A	Lab Control Sample	Total/NA	Water	335.4	808349
500-264438-11 MS	MW-1BR_20250224	Total/NA	Water	335.4	808349
500-264438-11 MSD	MW-1BR_20250224	Total/NA	Water	335.4	808349

Prep Batch: 808572

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264438-1	DKC-01_20250224	Total/NA	Water	365.2/365.3/365	
500-264438-3	ARC-01_20250224	Total/NA	Water	365.2/365.3/365	
500-264438-5	TBS-01_20250224	Total/NA	Water	365.2/365.3/365	
500-264438-7	SBD-01_20250224	Total/NA	Water	365.2/365.3/365	
500-264438-9	MW-1AR_20250224	Total/NA	Water	365.2/365.3/365	
500-264438-11	MW-1BR_20250224	Total/NA	Water	365.2/365.3/365	

General Chemistry (Continued)

Prep Batch: 808572 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264438-13	SBW-01_20250224	Total/NA	Water	365.2/365.3/365	
500-264438-15	TBN-01_20250224	Total/NA	Water	365.2/365.3/365	
MB 500-808572/1-A	Method Blank	Total/NA	Water	365.2/365.3/365	
LCS 500-808572/2-A	Lab Control Sample	Total/NA	Water	365.2/365.3/365	

Analysis Batch: 808954

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264438-1	DKC-01_20250224	Total/NA	Water	365.1	808572
500-264438-3	ARC-01_20250224	Total/NA	Water	365.1	808572
500-264438-5	TBS-01_20250224	Total/NA	Water	365.1	808572
500-264438-7	SBD-01_20250224	Total/NA	Water	365.1	808572
500-264438-9	MW-1AR_20250224	Total/NA	Water	365.1	808572
500-264438-11	MW-1BR_20250224	Total/NA	Water	365.1	808572
500-264438-13	SBW-01_20250224	Total/NA	Water	365.1	808572
500-264438-15	TBN-01_20250224	Total/NA	Water	365.1	808572
MB 500-808572/1-A	Method Blank	Total/NA	Water	365.1	808572
LCS 500-808572/2-A	Lab Control Sample	Total/NA	Water	365.1	808572

Analysis Batch: 809199

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264438-1	DKC-01_20250224	Total/NA	Water	SM 5310C	
500-264438-3	ARC-01_20250224	Total/NA	Water	SM 5310C	
500-264438-5	TBS-01_20250224	Total/NA	Water	SM 5310C	
500-264438-7	SBD-01_20250224	Total/NA	Water	SM 5310C	
500-264438-9	MW-1AR_20250224	Total/NA	Water	SM 5310C	
500-264438-11	MW-1BR_20250224	Total/NA	Water	SM 5310C	
500-264438-13	SBW-01_20250224	Total/NA	Water	SM 5310C	
500-264438-15	TBN-01_20250224	Total/NA	Water	SM 5310C	
MB 500-809199/31	Method Blank	Total/NA	Water	SM 5310C	
MB 500-809199/7	Method Blank	Total/NA	Water	SM 5310C	
LCS 500-809199/32	Lab Control Sample	Total/NA	Water	SM 5310C	
LCS 500-809199/8	Lab Control Sample	Total/NA	Water	SM 5310C	
500-264438-15 MS	TBN-01_20250224	Total/NA	Water	SM 5310C	
500-264438-15 MSD	TBN-01_20250224	Total/NA	Water	SM 5310C	

Analysis Batch: 809201

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264438-1	DKC-01_20250224	Dissolved	Water	SM 5310C	
500-264438-3	ARC-01_20250224	Dissolved	Water	SM 5310C	
500-264438-5	TBS-01_20250224	Dissolved	Water	SM 5310C	
500-264438-7	SBD-01_20250224	Dissolved	Water	SM 5310C	
500-264438-9	MW-1AR_20250224	Dissolved	Water	SM 5310C	
500-264438-11	MW-1BR_20250224	Dissolved	Water	SM 5310C	
500-264438-13	SBW-01_20250224	Dissolved	Water	SM 5310C	
500-264438-15	TBN-01_20250224	Dissolved	Water	SM 5310C	
MB 500-809201/31	Method Blank	Dissolved	Water	SM 5310C	
LCS 500-809201/32	Lab Control Sample	Dissolved	Water	SM 5310C	

Prep Batch: 809313

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264438-1	DKC-01_20250224	Total/NA	Water	Distill/Ammonia	

General Chemistry (Continued)

Prep Batch: 809313 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264438-3	ARC-01_20250224	Total/NA	Water	Distill/Ammonia	
MB 500-809313/1-A	Method Blank	Total/NA	Water	Distill/Ammonia	
LCS 500-809313/2-A	Lab Control Sample	Total/NA	Water	Distill/Ammonia	

Analysis Batch: 809396

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264438-1	DKC-01_20250224	Total/NA	Water	350.1	809313
500-264438-3	ARC-01_20250224	Total/NA	Water	350.1	809313
MB 500-809313/1-A	Method Blank	Total/NA	Water	350.1	809313
LCS 500-809313/2-A	Lab Control Sample	Total/NA	Water	350.1	809313

Prep Batch: 809433

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264438-5	TBS-01_20250224	Total/NA	Water	Distill/Ammonia	
500-264438-7	SBD-01_20250224	Total/NA	Water	Distill/Ammonia	
500-264438-9	MW-1AR_20250224	Total/NA	Water	Distill/Ammonia	
500-264438-11	MW-1BR_20250224	Total/NA	Water	Distill/Ammonia	
500-264438-13	SBW-01_20250224	Total/NA	Water	Distill/Ammonia	
500-264438-15	TBN-01_20250224	Total/NA	Water	Distill/Ammonia	
MB 500-809433/1-A	Method Blank	Total/NA	Water	Distill/Ammonia	
LCS 500-809433/2-A	Lab Control Sample	Total/NA	Water	Distill/Ammonia	

Analysis Batch: 809637

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264438-1	DKC-01_20250224	Total/NA	Water	SM 2520B	
500-264438-3	ARC-01_20250224	Total/NA	Water	SM 2520B	
500-264438-5	TBS-01_20250224	Total/NA	Water	SM 2520B	
500-264438-7	SBD-01_20250224	Total/NA	Water	SM 2520B	
500-264438-9	MW-1AR_20250224	Total/NA	Water	SM 2520B	
500-264438-11	MW-1BR_20250224	Total/NA	Water	SM 2520B	
500-264438-13	SBW-01_20250224	Total/NA	Water	SM 2520B	
500-264438-15	TBN-01_20250224	Total/NA	Water	SM 2520B	
500-264438-11 DU	MW-1BR_20250224	Total/NA	Water	SM 2520B	

Analysis Batch: 809710

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264438-5	TBS-01_20250224	Total/NA	Water	350.1	809433
500-264438-7	SBD-01_20250224	Total/NA	Water	350.1	809433
500-264438-9	MW-1AR_20250224	Total/NA	Water	350.1	809433
500-264438-11	MW-1BR_20250224	Total/NA	Water	350.1	809433
500-264438-13	SBW-01_20250224	Total/NA	Water	350.1	809433
500-264438-15	TBN-01_20250224	Total/NA	Water	350.1	809433
MB 500-809433/1-A	Method Blank	Total/NA	Water	350.1	809433
LCS 500-809433/2-A	Lab Control Sample	Total/NA	Water	350.1	809433

Method: 1630 - Methyl Mercury

Lab Sample ID: MB 350-5278/1-A
Matrix: Water
Analysis Batch: 5300

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 5278

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		02/28/25 12:15	02/28/25 17:42	1

Lab Sample ID: MB 350-5278/2-A
Matrix: Water
Analysis Batch: 5300

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 5278

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		02/28/25 12:15	02/28/25 17:52	1

Lab Sample ID: MB 350-5278/3-A
Matrix: Water
Analysis Batch: 5300

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 5278

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		02/28/25 12:15	02/28/25 18:02	1

Lab Sample ID: LCS 350-5278/4-A
Matrix: Water
Analysis Batch: 5300

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 5278

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Methyl Mercury	1.00	0.934		ng/L		93	65 - 135

Lab Sample ID: LCSD 350-5278/5-A
Matrix: Water
Analysis Batch: 5300

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 5278

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Methyl Mercury	1.00	1.01		ng/L		101	65 - 135	7	35

Lab Sample ID: MB 350-5507/1-A
Matrix: Water
Analysis Batch: 5542

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 5507

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	0.0288	J	0.050	0.022	ng/L		03/12/25 10:25	03/12/25 16:55	1

Lab Sample ID: MB 350-5507/2-A
Matrix: Water
Analysis Batch: 5542

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 5507

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	0.0248	J	0.050	0.022	ng/L		03/12/25 10:25	03/12/25 17:05	1

Lab Sample ID: MB 350-5507/3-A
Matrix: Water
Analysis Batch: 5542

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 5507

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	0.0242	J	0.050	0.022	ng/L		03/12/25 10:25	03/12/25 17:15	1

Method: 1630 - Methyl Mercury

Lab Sample ID: LCS 350-5507/4-A
Matrix: Water
Analysis Batch: 5542

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 5507

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Methyl Mercury	1.00	0.854		ng/L		85	65 - 135

Lab Sample ID: LCSD 350-5507/5-A
Matrix: Water
Analysis Batch: 5542

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 5507

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Methyl Mercury	1.00	0.831		ng/L		83	65 - 135	3	35

Lab Sample ID: 500-264438-3 MS
Matrix: Water
Analysis Batch: 5542

Client Sample ID: ARC-01_20250224
Prep Type: Total/NA
Prep Batch: 5507

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Methyl Mercury	0.30	B	1.00	1.43		ng/L		113	65 - 135

Lab Sample ID: 500-264438-3 MSD
Matrix: Water
Analysis Batch: 5542

Client Sample ID: ARC-01_20250224
Prep Type: Total/NA
Prep Batch: 5507

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Methyl Mercury	0.30	B	1.00	1.34		ng/L		104	65 - 135	6	35

Method: 1631E - Mercury, Low Level (CVAFS)

Lab Sample ID: MB 350-5423/52
Matrix: Water
Analysis Batch: 5423

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			03/06/25 14:01	1

Lab Sample ID: MB 350-5423/53
Matrix: Water
Analysis Batch: 5423

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			03/06/25 14:05	1

Lab Sample ID: MB 350-5423/54
Matrix: Water
Analysis Batch: 5423

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			03/06/25 14:09	1

Method: 1631E - Mercury, Low Level (CVAFS) (Continued)

Lab Sample ID: MB 350-5423/63
Matrix: Water
Analysis Batch: 5423

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			03/06/25 14:47	1

Lab Sample ID: MB 350-5423/64
Matrix: Water
Analysis Batch: 5423

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			03/06/25 14:51	1

Lab Sample ID: MB 350-5423/65
Matrix: Water
Analysis Batch: 5423

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			03/06/25 14:55	1

Lab Sample ID: LCS 350-5423/55
Matrix: Water
Analysis Batch: 5423

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury			5.00	4.51		ng/L		90	77 - 123		

Lab Sample ID: LCS 350-5423/66
Matrix: Water
Analysis Batch: 5423

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury			5.00	4.86		ng/L		97	77 - 123		

Lab Sample ID: LCSD 350-5423/56
Matrix: Water
Analysis Batch: 5423

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury			5.00	4.45		ng/L		89	77 - 123	1	24

Lab Sample ID: LCSD 350-5423/67
Matrix: Water
Analysis Batch: 5423

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury			5.00	4.81		ng/L		96	77 - 123	1	24

Method: 1638 - Metals (ICP/MS)

Lab Sample ID: MB 350-5549/1-A
Matrix: Water
Analysis Batch: 5599

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 5549

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	<0.0098		0.050	0.0098	ug/L		03/14/25 11:45	03/14/25 22:03	1

Lab Sample ID: MB 350-5549/2-A
Matrix: Water
Analysis Batch: 5599

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 5549

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	<0.0098		0.050	0.0098	ug/L		03/14/25 11:45	03/14/25 22:06	1

Lab Sample ID: LCS 350-5549/3-A
Matrix: Water
Analysis Batch: 5599

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 5549

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Uranium	25.0	23.7		ug/L		95	85 - 115

Lab Sample ID: LCSD 350-5549/4-A
Matrix: Water
Analysis Batch: 5599

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 5549

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Uranium	25.0	23.7		ug/L		95	85 - 115	0	20

Lab Sample ID: MB 350-5551/1-A
Matrix: Water
Analysis Batch: 5599

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 5551

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	<0.0098		0.050	0.0098	ug/L		03/14/25 11:45	03/15/25 00:02	1

Lab Sample ID: MB 350-5551/2-A
Matrix: Water
Analysis Batch: 5599

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 5551

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	<0.0098		0.050	0.0098	ug/L		03/14/25 11:45	03/15/25 00:05	1

Lab Sample ID: LCS 350-5551/3-A
Matrix: Water
Analysis Batch: 5599

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 5551

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Uranium	25.0	24.3		ug/L		97	85 - 115

Lab Sample ID: LCSD 350-5551/4-A
Matrix: Water
Analysis Batch: 5599

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 5551

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Uranium	25.0	24.4		ug/L		98	85 - 115	1	20

Method: 1638 - Metals (ICP/MS)

Lab Sample ID: 500-264438-1 MS
Matrix: Water
Analysis Batch: 5599

Client Sample ID: DKC-01_20250224
Prep Type: Total Recoverable
Prep Batch: 5551

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Uranium	0.41		25.0	25.2		ug/L		99	70 - 130		

Lab Sample ID: 500-264438-1 MSD
Matrix: Water
Analysis Batch: 5599

Client Sample ID: DKC-01_20250224
Prep Type: Total Recoverable
Prep Batch: 5551

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Uranium	0.41		25.0	25.1		ug/L		99	70 - 130	1	20

Lab Sample ID: 500-264438-1 MS
Matrix: Water
Analysis Batch: 5599

Client Sample ID: DKC-01_20250224
Prep Type: Dissolved
Prep Batch: 5549

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Uranium	0.40		25.0	24.5		ug/L		97	70 - 130		

Lab Sample ID: 500-264438-1 MSD
Matrix: Water
Analysis Batch: 5599

Client Sample ID: DKC-01_20250224
Prep Type: Dissolved
Prep Batch: 5549

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Uranium	0.40		25.0	25.0		ug/L		98	70 - 130	2	20

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 500-807837/1-A
Matrix: Water
Analysis Batch: 808819

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 807837

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<25		100	25	ug/L		02/26/25 16:22	03/05/25 20:03	1
Antimony	<1.3		3.0	1.3	ug/L		02/26/25 16:22	03/05/25 20:03	1
Arsenic	<0.23		1.0	0.23	ug/L		02/26/25 16:22	03/05/25 20:03	1
Barium	<0.73		2.5	0.73	ug/L		02/26/25 16:22	03/05/25 20:03	1
Beryllium	<0.53		1.0	0.53	ug/L		02/26/25 16:22	03/05/25 20:03	1
Cadmium	<0.17		0.50	0.17	ug/L		02/26/25 16:22	03/05/25 20:03	1
Calcium	<44		200	44	ug/L		02/26/25 16:22	03/05/25 20:03	1
Chromium	<1.1		5.0	1.1	ug/L		02/26/25 16:22	03/05/25 20:03	1
Cobalt	<0.40		1.0	0.40	ug/L		02/26/25 16:22	03/05/25 20:03	1
Iron	<47		100	47	ug/L		02/26/25 16:22	03/05/25 20:03	1
Lead	<0.19		0.50	0.19	ug/L		02/26/25 16:22	03/05/25 20:03	1
Lithium	<2.5		10	2.5	ug/L		02/26/25 16:22	03/05/25 20:03	1
Magnesium	<49		200	49	ug/L		02/26/25 16:22	03/05/25 20:03	1
Molybdenum	<2.5		5.0	2.5	ug/L		02/26/25 16:22	03/05/25 20:03	1
Nickel	<0.63		2.0	0.63	ug/L		02/26/25 16:22	03/05/25 20:03	1
Potassium	<110		500	110	ug/L		02/26/25 16:22	03/05/25 20:03	1
Selenium	<0.98		2.5	0.98	ug/L		02/26/25 16:22	03/05/25 20:03	1
Silver	<0.12		0.50	0.12	ug/L		02/26/25 16:22	03/05/25 20:03	1
Strontium	<0.64		4.0	0.64	ug/L		02/26/25 16:22	03/05/25 20:03	1
Thallium	<0.57		2.0	0.57	ug/L		02/26/25 16:22	03/05/25 20:03	1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 500-807837/1-A
Matrix: Water
Analysis Batch: 808819

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 807837

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tin	<1.3		5.0	1.3	ug/L		02/26/25 16:22	03/05/25 20:03	1
Vanadium	<2.2		5.0	2.2	ug/L		02/26/25 16:22	03/05/25 20:03	1
Zinc	<6.9		20	6.9	ug/L		02/26/25 16:22	03/05/25 20:03	1

Lab Sample ID: MB 500-807837/1-A
Matrix: Water
Analysis Batch: 809039

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 807837

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<13		50	13	ug/L		02/26/25 16:22	03/06/25 15:40	1
Copper	<0.50		2.0	0.50	ug/L		02/26/25 16:22	03/06/25 15:40	1
Manganese	<0.79		2.5	0.79	ug/L		02/26/25 16:22	03/06/25 15:40	1
Sodium	<77		200	77	ug/L		02/26/25 16:22	03/06/25 15:40	1

Lab Sample ID: LCS 500-807837/2-A
Matrix: Water
Analysis Batch: 808819

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 807837

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	2000	2010		ug/L		101	80 - 120
Antimony	500	528		ug/L		106	80 - 120
Arsenic	100	100		ug/L		100	80 - 120
Barium	500	517		ug/L		103	80 - 120
Beryllium	50.0	53.7		ug/L		107	80 - 120
Cadmium	50.0	52.5		ug/L		105	80 - 120
Calcium	10000	9550		ug/L		95	80 - 120
Chromium	200	213		ug/L		107	80 - 120
Cobalt	500	549		ug/L		110	80 - 120
Iron	1000	1080		ug/L		108	80 - 120
Lead	100	103		ug/L		103	80 - 120
Lithium	100	109		ug/L		109	80 - 120
Magnesium	10000	10700		ug/L		107	80 - 120
Molybdenum	1000	1020		ug/L		102	80 - 120
Nickel	500	518		ug/L		104	80 - 120
Potassium	10000	10700		ug/L		107	80 - 120
Selenium	100	97.5		ug/L		98	80 - 120
Silver	50.0	52.8		ug/L		106	80 - 120
Strontium	1000	1020		ug/L		102	80 - 120
Thallium	100	106		ug/L		106	80 - 120
Tin	1000	1060		ug/L		106	80 - 120
Vanadium	500	525		ug/L		105	80 - 120
Zinc	500	511		ug/L		102	80 - 120

Lab Sample ID: LCS 500-807837/2-A
Matrix: Water
Analysis Batch: 809039

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 807837

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	1000	1010		ug/L		101	80 - 120

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 500-807837/2-A
Matrix: Water
Analysis Batch: 809039

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 807837

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Copper	250	265		ug/L		106	80 - 120
Manganese	500	529		ug/L		106	80 - 120
Sodium	10000	10500		ug/L		105	80 - 120

Lab Sample ID: MB 500-807838/1-A
Matrix: Water
Analysis Batch: 809425

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 807838

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<25		100	25	ug/L		02/26/25 16:29	03/10/25 13:36	1
Antimony	<1.3		3.0	1.3	ug/L		02/26/25 16:29	03/10/25 13:36	1
Arsenic	<0.23		1.0	0.23	ug/L		02/26/25 16:29	03/10/25 13:36	1
Barium	<0.73		2.5	0.73	ug/L		02/26/25 16:29	03/10/25 13:36	1
Beryllium	<0.53		1.0	0.53	ug/L		02/26/25 16:29	03/10/25 13:36	1
Boron	<13		50	13	ug/L		02/26/25 16:29	03/10/25 13:36	1
Cadmium	<0.17		0.50	0.17	ug/L		02/26/25 16:29	03/10/25 13:36	1
Calcium	<44		200	44	ug/L		02/26/25 16:29	03/10/25 13:36	1
Chromium	<1.1		5.0	1.1	ug/L		02/26/25 16:29	03/10/25 13:36	1
Cobalt	<0.40		1.0	0.40	ug/L		02/26/25 16:29	03/10/25 13:36	1
Copper	<0.50		2.0	0.50	ug/L		02/26/25 16:29	03/10/25 13:36	1
Iron	<47		100	47	ug/L		02/26/25 16:29	03/10/25 13:36	1
Lead	<0.19		0.50	0.19	ug/L		02/26/25 16:29	03/10/25 13:36	1
Lithium	<2.5		10	2.5	ug/L		02/26/25 16:29	03/10/25 13:36	1
Magnesium	<49		200	49	ug/L		02/26/25 16:29	03/10/25 13:36	1
Manganese	<0.79		2.5	0.79	ug/L		02/26/25 16:29	03/10/25 13:36	1
Molybdenum	<2.5		5.0	2.5	ug/L		02/26/25 16:29	03/10/25 13:36	1
Nickel	<0.63		2.0	0.63	ug/L		02/26/25 16:29	03/10/25 13:36	1
Potassium	<110		500	110	ug/L		02/26/25 16:29	03/10/25 13:36	1
Selenium	<0.98		2.5	0.98	ug/L		02/26/25 16:29	03/10/25 13:36	1
Silver	<0.12		0.50	0.12	ug/L		02/26/25 16:29	03/10/25 13:36	1
Sodium	<77		200	77	ug/L		02/26/25 16:29	03/10/25 13:36	1
Strontium	<0.64		4.0	0.64	ug/L		02/26/25 16:29	03/10/25 13:36	1
Thallium	<0.57		2.0	0.57	ug/L		02/26/25 16:29	03/10/25 13:36	1
Tin	<1.3		5.0	1.3	ug/L		02/26/25 16:29	03/10/25 13:36	1
Vanadium	<2.2		5.0	2.2	ug/L		02/26/25 16:29	03/10/25 13:36	1
Zinc	<6.9		20	6.9	ug/L		02/26/25 16:29	03/10/25 13:36	1

Lab Sample ID: LCS 500-807838/2-A
Matrix: Water
Analysis Batch: 809425

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 807838

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	2000	2020		ug/L		101	80 - 120
Antimony	500	529		ug/L		106	80 - 120
Arsenic	100	101		ug/L		101	80 - 120
Barium	500	527		ug/L		105	80 - 120
Beryllium	50.0	51.6		ug/L		103	80 - 120
Boron	1000	1020		ug/L		102	80 - 120
Cadmium	50.0	53.4		ug/L		107	80 - 120

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 500-807838/2-A
Matrix: Water
Analysis Batch: 809425

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 807838

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Calcium	10000	9370		ug/L		94	80 - 120
Chromium	200	217		ug/L		109	80 - 120
Cobalt	500	558		ug/L		112	80 - 120
Copper	250	274		ug/L		110	80 - 120
Iron	1000	1100		ug/L		110	80 - 120
Lead	100	105		ug/L		105	80 - 120
Lithium	100	109		ug/L		109	80 - 120
Magnesium	10000	10900		ug/L		109	80 - 120
Manganese	500	545		ug/L		109	80 - 120
Molybdenum	1000	1030		ug/L		103	80 - 120
Nickel	500	555		ug/L		111	80 - 120
Potassium	10000	11000		ug/L		110	80 - 120
Selenium	100	98.6		ug/L		99	80 - 120
Silver	50.0	53.6		ug/L		107	80 - 120
Sodium	10000	10800		ug/L		108	80 - 120
Strontium	1000	1070		ug/L		107	80 - 120
Thallium	100	107		ug/L		107	80 - 120
Tin	1000	1050		ug/L		105	80 - 120
Vanadium	500	532		ug/L		106	80 - 120
Zinc	500	528		ug/L		106	80 - 120

Lab Sample ID: MB 500-807898/1-A
Matrix: Water
Analysis Batch: 809424

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 807898

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<25		100	25	ug/L		02/27/25 08:23	03/10/25 12:40	1
Antimony	<1.3		3.0	1.3	ug/L		02/27/25 08:23	03/10/25 12:40	1
Arsenic	<0.23		1.0	0.23	ug/L		02/27/25 08:23	03/10/25 12:40	1
Barium	<0.73		2.5	0.73	ug/L		02/27/25 08:23	03/10/25 12:40	1
Beryllium	<0.53		1.0	0.53	ug/L		02/27/25 08:23	03/10/25 12:40	1
Boron	18.3	J	50	13	ug/L		02/27/25 08:23	03/10/25 12:40	1
Cadmium	<0.17		0.50	0.17	ug/L		02/27/25 08:23	03/10/25 12:40	1
Calcium	<44		200	44	ug/L		02/27/25 08:23	03/10/25 12:40	1
Chromium	<1.1		5.0	1.1	ug/L		02/27/25 08:23	03/10/25 12:40	1
Cobalt	<0.40		1.0	0.40	ug/L		02/27/25 08:23	03/10/25 12:40	1
Copper	<0.50		2.0	0.50	ug/L		02/27/25 08:23	03/10/25 12:40	1
Iron	<47		100	47	ug/L		02/27/25 08:23	03/10/25 12:40	1
Lead	<0.19		0.50	0.19	ug/L		02/27/25 08:23	03/10/25 12:40	1
Lithium	<2.5		10	2.5	ug/L		02/27/25 08:23	03/10/25 12:40	1
Magnesium	<49		200	49	ug/L		02/27/25 08:23	03/10/25 12:40	1
Manganese	<0.79		2.5	0.79	ug/L		02/27/25 08:23	03/10/25 12:40	1
Molybdenum	<2.5		5.0	2.5	ug/L		02/27/25 08:23	03/10/25 12:40	1
Nickel	<0.63		2.0	0.63	ug/L		02/27/25 08:23	03/10/25 12:40	1
Potassium	<110		500	110	ug/L		02/27/25 08:23	03/10/25 12:40	1
Selenium	<0.98		2.5	0.98	ug/L		02/27/25 08:23	03/10/25 12:40	1
Silver	<0.12		0.50	0.12	ug/L		02/27/25 08:23	03/10/25 12:40	1
Sodium	<77		200	77	ug/L		02/27/25 08:23	03/10/25 12:40	1
Strontium	<0.64		4.0	0.64	ug/L		02/27/25 08:23	03/10/25 12:40	1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 500-807898/1-A
Matrix: Water
Analysis Batch: 809424

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 807898

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	<0.57		2.0	0.57	ug/L		02/27/25 08:23	03/10/25 12:40	1
Tin	<1.3		5.0	1.3	ug/L		02/27/25 08:23	03/10/25 12:40	1
Vanadium	<2.2		5.0	2.2	ug/L		02/27/25 08:23	03/10/25 12:40	1
Zinc	<6.9		20	6.9	ug/L		02/27/25 08:23	03/10/25 12:40	1

Lab Sample ID: LCS 500-807898/2-A
Matrix: Water
Analysis Batch: 809424

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 807898

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	2000	2120		ug/L		106	80 - 120
Antimony	500	532		ug/L		106	80 - 120
Arsenic	100	102		ug/L		102	80 - 120
Barium	500	525		ug/L		105	80 - 120
Beryllium	50.0	54.6		ug/L		109	80 - 120
Boron	1000	1130		ug/L		113	80 - 120
Cadmium	50.0	53.7		ug/L		107	80 - 120
Calcium	10000	9570		ug/L		96	80 - 120
Chromium	200	220		ug/L		110	80 - 120
Cobalt	500	556		ug/L		111	80 - 120
Copper	250	274		ug/L		109	80 - 120
Iron	1000	1120		ug/L		112	80 - 120
Lead	100	107		ug/L		107	80 - 120
Lithium	100	112		ug/L		112	80 - 120
Magnesium	10000	11100		ug/L		111	80 - 120
Manganese	500	553		ug/L		111	80 - 120
Molybdenum	1000	1040		ug/L		104	80 - 120
Nickel	500	542		ug/L		108	80 - 120
Potassium	10000	10900		ug/L		109	80 - 120
Selenium	100	104		ug/L		104	80 - 120
Silver	50.0	53.7		ug/L		107	80 - 120
Sodium	10000	10900		ug/L		109	80 - 120
Strontium	1000	1040		ug/L		104	80 - 120
Thallium	100	109		ug/L		109	80 - 120
Tin	1000	1100		ug/L		110	80 - 120
Vanadium	500	538		ug/L		108	80 - 120
Zinc	500	528		ug/L		106	80 - 120

Lab Sample ID: 500-264438-1 MS
Matrix: Water
Analysis Batch: 809425

Client Sample ID: DKC-01_20250224
Prep Type: Dissolved
Prep Batch: 807838

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	27	J	2000	1970		ug/L		97	75 - 125
Antimony	<1.3		500	510		ug/L		102	75 - 125
Arsenic	<0.23		100	96.2		ug/L		96	75 - 125
Barium	35		500	545		ug/L		102	75 - 125
Beryllium	<0.53		50.0	49.4		ug/L		99	75 - 125
Boron	28	J	1000	1020		ug/L		99	75 - 125

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 500-264438-1 MS
Matrix: Water
Analysis Batch: 809425

Client Sample ID: DKC-01_20250224
Prep Type: Dissolved
Prep Batch: 807838

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Cadmium	<0.17		50.0	50.7		ug/L		101	75 - 125
Calcium	21000		10000	30500		ug/L		91	75 - 125
Chromium	<1.1		200	205		ug/L		102	75 - 125
Cobalt	<0.40		500	539		ug/L		108	75 - 125
Copper	2.6		250	262		ug/L		104	75 - 125
Iron	130		1000	1170		ug/L		104	75 - 125
Lead	<0.19		100	101		ug/L		101	75 - 125
Lithium	<2.5		100	106		ug/L		106	75 - 125
Magnesium	5900		10000	16200		ug/L		103	75 - 125
Nickel	<0.63		500	530		ug/L		106	75 - 125
Potassium	830		10000	11400		ug/L		106	75 - 125
Selenium	1.2	J	100	96.4		ug/L		95	75 - 125
Silver	<0.12		50.0	51.3		ug/L		103	75 - 125
Sodium	2100		10000	12200		ug/L		101	75 - 125
Thallium	<0.57		100	103		ug/L		103	75 - 125
Tin	<1.3		1000	1010		ug/L		101	75 - 125
Zinc	<6.9		500	500		ug/L		100	75 - 125

Lab Sample ID: 500-264438-1 MS
Matrix: Water
Analysis Batch: 809499

Client Sample ID: DKC-01_20250224
Prep Type: Dissolved
Prep Batch: 807838

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Manganese	4.4		500	528		ug/L		105	75 - 125
Molybdenum	<2.5		1000	973		ug/L		97	75 - 125
Vanadium	<2.2		500	526		ug/L		105	75 - 125

Lab Sample ID: 500-264438-1 MSD
Matrix: Water
Analysis Batch: 809425

Client Sample ID: DKC-01_20250224
Prep Type: Dissolved
Prep Batch: 807838

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum	27	J	2000	1960		ug/L		97	75 - 125	1	20
Antimony	<1.3		500	503		ug/L		101	75 - 125	1	20
Arsenic	<0.23		100	96.7		ug/L		97	75 - 125	1	20
Barium	35		500	525		ug/L		98	75 - 125	4	20
Beryllium	<0.53		50.0	48.7		ug/L		97	75 - 125	1	20
Boron	28	J	1000	1000		ug/L		97	75 - 125	2	20
Cadmium	<0.17		50.0	50.6		ug/L		101	75 - 125	0	20
Calcium	21000		10000	29900		ug/L		85	75 - 125	2	20
Chromium	<1.1		200	203		ug/L		101	75 - 125	1	20
Cobalt	<0.40		500	528		ug/L		106	75 - 125	2	20
Copper	2.6		250	257		ug/L		102	75 - 125	2	20
Iron	130		1000	1150		ug/L		102	75 - 125	2	20
Lead	<0.19		100	101		ug/L		101	75 - 125	0	20
Lithium	<2.5		100	104		ug/L		104	75 - 125	2	20
Magnesium	5900		10000	15900		ug/L		100	75 - 125	2	20
Nickel	<0.63		500	525		ug/L		105	75 - 125	1	20
Potassium	830		10000	11200		ug/L		104	75 - 125	2	20

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 500-264438-1 MSD
Matrix: Water
Analysis Batch: 809425

Client Sample ID: DKC-01_20250224
Prep Type: Dissolved
Prep Batch: 807838

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Selenium	1.2	J	100	95.6		ug/L		94	75 - 125	1	20
Silver	<0.12		50.0	51.1		ug/L		102	75 - 125	0	20
Sodium	2100		10000	12100		ug/L		100	75 - 125	1	20
Thallium	<0.57		100	103		ug/L		103	75 - 125	0	20
Tin	<1.3		1000	1020		ug/L		102	75 - 125	0	20
Zinc	<6.9		500	497		ug/L		99	75 - 125	1	20

Lab Sample ID: 500-264438-1 MSD
Matrix: Water
Analysis Batch: 809499

Client Sample ID: DKC-01_20250224
Prep Type: Dissolved
Prep Batch: 807838

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Manganese	4.4		500	514		ug/L		102	75 - 125	3	20
Molybdenum	<2.5		1000	964		ug/L		96	75 - 125	1	20
Strontium	51		1000	1020		ug/L		97	75 - 125	1	20
Vanadium	<2.2		500	518		ug/L		104	75 - 125	1	20

Lab Sample ID: 500-264438-1 DU
Matrix: Water
Analysis Batch: 809425

Client Sample ID: DKC-01_20250224
Prep Type: Dissolved
Prep Batch: 807838

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Aluminum	27	J	27.9	J	ug/L		4	20
Antimony	<1.3		<1.3		ug/L		NC	20
Arsenic	<0.23		<0.23		ug/L		NC	20
Barium	35		35.5		ug/L		2	20
Beryllium	<0.53		<0.53		ug/L		NC	20
Boron	28	J	24.4	J	ug/L		12	20
Cadmium	<0.17		<0.17		ug/L		NC	20
Calcium	21000		21900		ug/L		3	20
Chromium	<1.1		<1.1		ug/L		NC	20
Cobalt	<0.40		<0.40		ug/L		NC	20
Copper	2.6		2.60		ug/L		0.4	20
Iron	130		127		ug/L		2	20
Lead	<0.19		<0.19		ug/L		NC	20
Lithium	<2.5		<2.5		ug/L		NC	20
Magnesium	5900		5980		ug/L		2	20
Nickel	<0.63		<0.63		ug/L		NC	20
Potassium	830		822		ug/L		0.9	20
Selenium	1.2	J	<0.98		ug/L		NC	20
Silver	<0.12		<0.12		ug/L		NC	20
Sodium	2100		2100		ug/L		0.6	20
Thallium	<0.57		<0.57		ug/L		NC	20
Tin	<1.3		<1.3		ug/L		NC	20
Zinc	<6.9		<6.9		ug/L		NC	20

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 500-264438-1 DU
Matrix: Water
Analysis Batch: 809499

Client Sample ID: DKC-01_20250224
Prep Type: Dissolved
Prep Batch: 807838

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Manganese	4.4		4.41		ug/L		1	20
Molybdenum	<2.5		<2.5		ug/L		NC	20
Strontium	51		51.5		ug/L		0.8	20
Vanadium	<2.2		<2.2		ug/L		NC	20

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 500-807891/3
Matrix: Water
Analysis Batch: 807891

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	<0.45		1.0	0.45	mg/L			03/04/25 14:09	1
Chloride	<0.42		1.0	0.42	mg/L			03/04/25 14:09	1
Fluoride	<0.43		1.0	0.43	mg/L			03/04/25 14:09	1
Sulfate	<0.47		1.0	0.47	mg/L			03/04/25 14:09	1

Lab Sample ID: LCS 500-807891/4
Matrix: Water
Analysis Batch: 807891

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bromide	20.0	19.4		mg/L		97	90 - 110
Chloride	100	106		mg/L		106	90 - 110
Fluoride	20.0	19.9		mg/L		100	90 - 110
Sulfate	100	108		mg/L		108	90 - 110

Lab Sample ID: 500-264438-15 MS
Matrix: Water
Analysis Batch: 807891

Client Sample ID: TBN-01_20250224
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Bromide	0.61	J	10.0	10.3		mg/L		97	80 - 120
Chloride	77		10.0	83.5	4	mg/L		61	80 - 120
Fluoride	<0.43		10.0	10.2		mg/L		102	80 - 120
Sulfate	28		10.0	36.6		mg/L		90	80 - 120

Lab Sample ID: 500-264438-15 MSD
Matrix: Water
Analysis Batch: 807891

Client Sample ID: TBN-01_20250224
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Bromide	0.61	J	10.0	10.1		mg/L		95	80 - 120	2	20
Chloride	77		10.0	83.1	4	mg/L		57	80 - 120	0	20
Fluoride	<0.43		10.0	9.99		mg/L		100	80 - 120	2	20
Sulfate	28		10.0	36.2		mg/L		86	80 - 120	1	20

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: MB 500-807892/3
Matrix: Water
Analysis Batch: 807892

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	<0.37		1.0	0.37	mg/L			03/04/25 14:09	1
Nitrite as N	<0.25		1.0	0.25	mg/L			03/04/25 14:09	1
Nitrate Nitrite as N	<0.37		1.0	0.37	mg/L			03/04/25 14:09	1

Lab Sample ID: LCS 500-807892/4
Matrix: Water
Analysis Batch: 807892

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate as N	20.0	21.6		mg/L		108	90 - 110
Nitrite as N	20.0	21.0		mg/L		105	90 - 110
Nitrate Nitrite as N	40.0	42.6		mg/L		107	90 - 110

Lab Sample ID: 500-264438-15 MS
Matrix: Water
Analysis Batch: 807892

Client Sample ID: TBN-01_20250224
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate as N	<0.37	H F1	2.26	2.89	F1	mg/L		128	80 - 120
Nitrite as N	<0.25	H	3.03	3.14		mg/L		104	80 - 120
Nitrate Nitrite as N	<0.37	H	5.29	6.03		mg/L		114	80 - 120

Lab Sample ID: 500-264438-15 MSD
Matrix: Water
Analysis Batch: 807892

Client Sample ID: TBN-01_20250224
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrate as N	<0.37	H F1	2.26	2.81	F1	mg/L		125	80 - 120	3	20
Nitrite as N	<0.25	H	3.03	3.08		mg/L		102	80 - 120	2	20
Nitrate Nitrite as N	<0.37	H	5.29	5.89		mg/L		111	80 - 120	2	20

Method: 335.4 - Cyanide, Total

Lab Sample ID: MB 500-808322/1-A
Matrix: Water
Analysis Batch: 808442

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 808322

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.0036		0.0050	0.0036	mg/L		03/03/25 09:26	03/03/25 15:31	1

Lab Sample ID: LCS 500-808322/2-A
Matrix: Water
Analysis Batch: 808442

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 808322

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.100	0.103		mg/L		103	90 - 110

Method: 335.4 - Cyanide, Total (Continued)

Lab Sample ID: MB 500-808349/1-A
Matrix: Water
Analysis Batch: 808442

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 808349

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.0036		0.0050	0.0036	mg/L		03/03/25 12:00	03/03/25 15:55	1

Lab Sample ID: LCS 500-808349/2-A
Matrix: Water
Analysis Batch: 808442

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 808349

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.100	0.0970		mg/L		97	90 - 110

Lab Sample ID: 500-264438-11 MS
Matrix: Water
Analysis Batch: 808442

Client Sample ID: MW-1BR_20250224
Prep Type: Total/NA
Prep Batch: 808349

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	<0.0036		0.100	0.101		mg/L		101	90 - 110

Lab Sample ID: 500-264438-11 MSD
Matrix: Water
Analysis Batch: 808442

Client Sample ID: MW-1BR_20250224
Prep Type: Total/NA
Prep Batch: 808349

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Cyanide, Total	<0.0036		0.100	0.0990		mg/L		99	90 - 110	2	20

Method: 350.1 - Nitrogen, Ammonia

Lab Sample ID: MB 500-809313/1-A
Matrix: Water
Analysis Batch: 809396

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 809313

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	<0.10		0.20	0.10	mg/L		03/10/25 13:31	03/10/25 16:20	1

Lab Sample ID: LCS 500-809313/2-A
Matrix: Water
Analysis Batch: 809396

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 809313

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ammonia	2.00	2.02		mg/L		101	90 - 110

Lab Sample ID: MB 500-809433/1-A
Matrix: Water
Analysis Batch: 809710

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 809433

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	<0.10		0.20	0.10	mg/L		03/11/25 13:23	03/12/25 17:11	1

Method: 350.1 - Nitrogen, Ammonia (Continued)

Lab Sample ID: LCS 500-809433/2-A
Matrix: Water
Analysis Batch: 809710

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 809433

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ammonia	2.00	2.03		mg/L		102	90 - 110

Method: 365.1 - Phosphorus, Total

Lab Sample ID: MB 500-808572/1-A
Matrix: Water
Analysis Batch: 808954

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 808572

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phosphorus as P	<0.024		0.050	0.024	mg/L		03/05/25 07:50	03/06/25 14:06	1

Lab Sample ID: LCS 500-808572/2-A
Matrix: Water
Analysis Batch: 808954

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 808572

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Phosphorus as P	1.00	0.970		mg/L		97	88 - 123

Method: SM 2320B - Alkalinity

Lab Sample ID: MB 500-808054/3
Matrix: Water
Analysis Batch: 808054

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	<3.7		5.0	3.7	mg/L			02/27/25 10:15	1
Bicarbonate Alkalinity as CaCO3	<3.7		5.0	3.7	mg/L			02/27/25 10:15	1
Carbonate Alkalinity as CaCO3	<3.7		5.0	3.7	mg/L			02/27/25 10:15	1

Lab Sample ID: LCS 500-808054/4
Matrix: Water
Analysis Batch: 808054

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Alkalinity	100	102		mg/L		102	95 - 121

Lab Sample ID: 500-264438-11 DU
Matrix: Water
Analysis Batch: 808054

Client Sample ID: MW-1BR_20250224
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Alkalinity	180		181		mg/L		2	20
Bicarbonate Alkalinity as CaCO3	180		181		mg/L		2	20
Carbonate Alkalinity as CaCO3	<3.7		<3.7		mg/L		NC	20

Method: SM 2520B - Salinity

Lab Sample ID: 500-264438-11 DU
Matrix: Water
Analysis Batch: 809637

Client Sample ID: MW-1BR_20250224
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Salinity	<0.33			<0.33		psu				NC	

Method: SM 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 500-808095/1
Matrix: Water
Analysis Batch: 808095

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<4.3		10	4.3	mg/L			02/28/25 11:02	1

Lab Sample ID: LCS 500-808095/2
Matrix: Water
Analysis Batch: 808095

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Dissolved Solids			250	254		mg/L		102	80 - 120		

Lab Sample ID: 500-264438-11 MS
Matrix: Water
Analysis Batch: 808095

Client Sample ID: MW-1BR_20250224
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Dissolved Solids	390		250	638		mg/L		98	75 - 125		

Lab Sample ID: 500-264438-3 DU
Matrix: Water
Analysis Batch: 808095

Client Sample ID: ARC-01_20250224
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	36			34.0	F5	mg/L				6	5

Lab Sample ID: 500-264438-11 DU
Matrix: Water
Analysis Batch: 808095

Client Sample ID: MW-1BR_20250224
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	390			398		mg/L				1	5

Method: SM 2540D - Solids, Total Suspended (TSS)

Lab Sample ID: MB 500-807803/1
Matrix: Water
Analysis Batch: 807803

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	<1.9		5.0	1.9	mg/L			02/26/25 13:30	1

Method: SM 2540D - Solids, Total Suspended (TSS) (Continued)

Lab Sample ID: LCS 500-807803/2
Matrix: Water
Analysis Batch: 807803

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Suspended Solids			200	185		mg/L		92	80 - 120		

Lab Sample ID: 500-264438-3 MS
Matrix: Water
Analysis Batch: 807803

Client Sample ID: ARC-01_20250224
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Suspended Solids	<1.9		100	91.0		mg/L		91	75 - 125		

Lab Sample ID: 500-264438-1 DU
Matrix: Water
Analysis Batch: 807803

Client Sample ID: DKC-01_20250224
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Suspended Solids	<1.9			<1.9		mg/L				NC	5

Method: SM 4500 S2 F - Sulfide, Total

Lab Sample ID: MB 500-808415/1
Matrix: Water
Analysis Batch: 808415

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	<0.23		1.0	0.23	mg/L			03/03/25 11:00	1

Lab Sample ID: LCS 500-808415/2
Matrix: Water
Analysis Batch: 808415

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Sulfide			3.26	3.14		mg/L		96	85 - 115		

Lab Sample ID: 500-264438-1 MS
Matrix: Water
Analysis Batch: 808415

Client Sample ID: DKC-01_20250224
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Sulfide	<1.2		8.15	6.74		mg/L		83	75 - 125		

Lab Sample ID: 500-264438-1 MSD
Matrix: Water
Analysis Batch: 808415

Client Sample ID: DKC-01_20250224
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfide	<1.2		8.15	6.74		mg/L		83	75 - 125	0	20

Method: SM 5310C - TOC

Lab Sample ID: MB 500-809199/31
Matrix: Water
Analysis Batch: 809199

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	<0.47		1.0	0.47	mg/L			03/07/25 01:48	1

Lab Sample ID: MB 500-809199/7
Matrix: Water
Analysis Batch: 809199

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	<0.47		1.0	0.47	mg/L			03/06/25 12:54	1

Lab Sample ID: LCS 500-809199/32
Matrix: Water
Analysis Batch: 809199

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Organic Carbon	10.0	10.5		mg/L		105	86 - 116

Lab Sample ID: LCS 500-809199/8
Matrix: Water
Analysis Batch: 809199

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Organic Carbon	10.0	10.3		mg/L		103	86 - 116

Lab Sample ID: 500-264438-15 MS
Matrix: Water
Analysis Batch: 809199

Client Sample ID: TBN-01_20250224
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Total Organic Carbon	3.9		10.0	15.0		mg/L		111	75 - 125

Lab Sample ID: 500-264438-15 MSD
Matrix: Water
Analysis Batch: 809199

Client Sample ID: TBN-01_20250224
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Organic Carbon	3.9		10.0	15.0		mg/L		111	75 - 125	1	20

Method: SM 5310C - Organic Carbon, Dissolved (DOC)

Lab Sample ID: MB 500-809201/31
Matrix: Water
Analysis Batch: 809201

Client Sample ID: Method Blank
Prep Type: Dissolved

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon	<0.47		1.0	0.47	mg/L			03/07/25 01:48	1

Lab Chronicle

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264438-1

Client Sample ID: DKC-01_20250224

Lab Sample ID: 500-264438-1

Date Collected: 02/24/25 10:30

Matrix: Water

Date Received: 02/26/25 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	1630			5507	JS	EET SSM	03/12/25 10:25
Dissolved	Analysis	1630		1	5542	COW	EET SSM	03/12/25 21:10
Total/NA	Prep	1630			5507	JS	EET SSM	03/12/25 10:25
Total/NA	Analysis	1630		1	5542	COW	EET SSM	03/12/25 20:59
Dissolved	Analysis	1631E		1	5423	D1C	EET SSM	03/06/25 16:22
Total/NA	Analysis	1631E		1	5423	D1C	EET SSM	03/06/25 16:18
Dissolved	Prep	1638			5549	V1R	EET SSM	03/14/25 11:45
Dissolved	Analysis	1638		1	5599	V1R	EET SSM	03/14/25 22:27
Total Recoverable	Prep	1638			5551	V1R	EET SSM	03/14/25 11:45
Total Recoverable	Analysis	1638		1	5599	V1R	EET SSM	03/15/25 00:26
Dissolved	Prep	3005A			807838	S1Z	EET CHI	02/26/25 16:29 - 02/26/25 22:29 [1]
Dissolved	Analysis	6020B		1	809499	RN	EET CHI	03/11/25 13:14
Dissolved	Prep	3005A			807838	S1Z	EET CHI	02/26/25 16:29 - 02/26/25 22:29 [1]
Dissolved	Analysis	6020B		1	809425	RN	EET CHI	03/10/25 13:41
Total Recoverable	Prep	3005A			807837	S1Z	EET CHI	02/26/25 16:22 - 02/26/25 22:22 [1]
Total Recoverable	Analysis	6020B		1	808819	RN	EET CHI	03/05/25 20:39
Total Recoverable	Prep	3005A			807837	S1Z	EET CHI	02/26/25 16:22 - 02/26/25 22:22 [1]
Total Recoverable	Analysis	6020B		1	809039	RN	EET CHI	03/06/25 16:20
Total Recoverable	Prep	3005A			807837	S1Z	EET CHI	02/26/25 16:22 - 02/26/25 22:22 [1]
Total Recoverable	Analysis	SM 2340B		1	808888	DAJ	EET CHI	03/06/25 11:06
Total/NA	Analysis	300.0		1	807891	MM	EET CHI	03/04/25 16:26
Total/NA	Analysis	300.0		1	807892	MM	EET CHI	03/04/25 16:26
Total/NA	Prep	Distill/CN			808322	AC	EET CHI	03/03/25 09:26 - 03/03/25 09:56 [1]
Total/NA	Analysis	335.4		1	808442	AC	EET CHI	03/03/25 15:55
Total/NA	Prep	Distill/Ammonia			809313	KF	EET CHI	03/10/25 13:31 - 03/10/25 14:31 [1]
Total/NA	Analysis	350.1		1	809396	KF	EET CHI	03/10/25 16:23
Total/NA	Prep	365.2/365.3/365			808572	MF	EET CHI	03/05/25 07:50 - 03/05/25 11:50 [1]
Total/NA	Analysis	365.1		1	808954	KF	EET CHI	03/06/25 14:07
Total/NA	Analysis	SM 2320B		1	808054	SO	EET CHI	02/27/25 11:57
Total/NA	Analysis	SM 2520B		1	809637	AC	EET CHI	03/12/25 10:54
Total/NA	Analysis	SM 2540C		1	808095	SO	EET CHI	02/28/25 11:46
Total/NA	Analysis	SM 2540D		1	807803	SO	EET CHI	02/26/25 14:22 - 02/26/25 14:27 [1]
Total/NA	Analysis	SM 4500 S2 F		1	808415	TR	EET CHI	03/03/25 11:07 - 03/03/25 11:11 [1]
Dissolved	Analysis	SM 5310C		1	809201	TR	EET CHI	03/07/25 04:30
Total/NA	Analysis	SM 5310C		1	809199	TR	EET CHI	03/06/25 20:58

Client Sample ID: DKC-01_20250224_FBLL

Lab Sample ID: 500-264438-2

Date Collected: 02/24/25 10:30

Matrix: Water

Date Received: 02/26/25 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	1631E		1	5423	D1C	EET SSM	03/06/25 16:26

Lab Chronicle

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264438-1

Client Sample ID: ARC-01_20250224

Lab Sample ID: 500-264438-3

Date Collected: 02/24/25 08:30

Matrix: Water

Date Received: 02/26/25 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	1630			5507	JS	EET SSM	03/12/25 10:25
Dissolved	Analysis	1630		1	5542	COW	EET SSM	03/12/25 21:20
Total/NA	Prep	1630			5507	JS	EET SSM	03/12/25 10:25
Total/NA	Analysis	1630		1	5542	COW	EET SSM	03/12/25 19:28
Dissolved	Analysis	1631E		1	5423	D1C	EET SSM	03/06/25 16:35
Total/NA	Analysis	1631E		1	5423	D1C	EET SSM	03/06/25 16:31
Dissolved	Prep	1638			5549	V1R	EET SSM	03/14/25 11:45
Dissolved	Analysis	1638		1	5599	V1R	EET SSM	03/14/25 22:44
Total Recoverable	Prep	1638			5551	V1R	EET SSM	03/14/25 11:45
Total Recoverable	Analysis	1638		1	5599	V1R	EET SSM	03/15/25 00:44
Dissolved	Prep	3005A			807838	S1Z	EET CHI	02/26/25 16:29 - 02/26/25 22:29 [1]
Dissolved	Analysis	6020B		1	809499	RN	EET CHI	03/11/25 13:31
Dissolved	Prep	3005A			807838	S1Z	EET CHI	02/26/25 16:29 - 02/26/25 22:29 [1]
Dissolved	Analysis	6020B		1	809425	RN	EET CHI	03/10/25 13:58
Total Recoverable	Prep	3005A			807837	S1Z	EET CHI	02/26/25 16:22 - 02/26/25 22:22 [1]
Total Recoverable	Analysis	6020B		1	808819	RN	EET CHI	03/05/25 20:41
Total Recoverable	Prep	3005A			807837	S1Z	EET CHI	02/26/25 16:22 - 02/26/25 22:22 [1]
Total Recoverable	Analysis	6020B		1	809039	RN	EET CHI	03/06/25 16:22
Total Recoverable	Prep	3005A			807837	S1Z	EET CHI	02/26/25 16:22 - 02/26/25 22:22 [1]
Total Recoverable	Analysis	SM 2340B		1	808888	DAJ	EET CHI	03/06/25 11:06
Total/NA	Analysis	300.0		1	807891	MM	EET CHI	03/04/25 17:12
Total/NA	Analysis	300.0		1	807892	MM	EET CHI	03/04/25 17:12
Total/NA	Prep	Distill/CN			808349	AC	EET CHI	03/03/25 12:00 - 03/03/25 12:30 [1]
Total/NA	Analysis	335.4		1	808442	AC	EET CHI	03/03/25 15:57
Total/NA	Prep	Distill/Ammonia			809313	KF	EET CHI	03/10/25 13:31 - 03/10/25 14:31 [1]
Total/NA	Analysis	350.1		1	809396	KF	EET CHI	03/10/25 16:24
Total/NA	Prep	365.2/365.3/365			808572	MF	EET CHI	03/05/25 07:50 - 03/05/25 11:50 [1]
Total/NA	Analysis	365.1		1	808954	KF	EET CHI	03/06/25 14:08
Total/NA	Analysis	SM 2320B		1	808054	SO	EET CHI	02/27/25 12:06
Total/NA	Analysis	SM 2520B		1	809637	AC	EET CHI	03/12/25 10:54
Total/NA	Analysis	SM 2540C		1	808095	SO	EET CHI	02/28/25 11:51
Total/NA	Analysis	SM 2540D		1	807803	SO	EET CHI	02/26/25 14:32 - 02/26/25 14:36 [1]
Total/NA	Analysis	SM 4500 S2 F		1	808415	TR	EET CHI	03/03/25 11:18 - 03/03/25 11:22 [1]
Dissolved	Analysis	SM 5310C		1	809201	TR	EET CHI	03/07/25 05:02
Total/NA	Analysis	SM 5310C		1	809199	TR	EET CHI	03/06/25 21:30

Client Sample ID: ARC-01_20250224_FBLL

Lab Sample ID: 500-264438-4

Date Collected: 02/24/25 08:30

Matrix: Water

Date Received: 02/26/25 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	1631E		1	5423	D1C	EET SSM	03/06/25 16:39

Lab Chronicle

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264438-1

Client Sample ID: TBS-01_20250224

Lab Sample ID: 500-264438-5

Date Collected: 02/24/25 12:30

Matrix: Water

Date Received: 02/26/25 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	1630			5507	JS	EET SSM	03/12/25 10:25
Dissolved	Analysis	1630		1	5542	COW	EET SSM	03/12/25 21:40
Total/NA	Prep	1630			5507	JS	EET SSM	03/12/25 10:25
Total/NA	Analysis	1630		1	5542	COW	EET SSM	03/12/25 21:30
Dissolved	Analysis	1631E		1	5423	D1C	EET SSM	03/06/25 16:47
Total/NA	Analysis	1631E		1	5423	D1C	EET SSM	03/06/25 16:43
Dissolved	Prep	1638			5549	V1R	EET SSM	03/14/25 11:45
Dissolved	Analysis	1638		1	5599	V1R	EET SSM	03/14/25 22:48
Total Recoverable	Prep	1638			5551	V1R	EET SSM	03/14/25 11:45
Total Recoverable	Analysis	1638		1	5599	V1R	EET SSM	03/15/25 00:47
Dissolved	Prep	3005A			807838	S1Z	EET CHI	02/26/25 16:29 - 02/26/25 22:29 [1]
Dissolved	Analysis	6020B		1	809499	RN	EET CHI	03/11/25 13:33
Dissolved	Prep	3005A			807838	S1Z	EET CHI	02/26/25 16:29 - 02/26/25 22:29 [1]
Dissolved	Analysis	6020B		1	809425	RN	EET CHI	03/10/25 14:00
Total Recoverable	Prep	3005A			807837	S1Z	EET CHI	02/26/25 16:22 - 02/26/25 22:22 [1]
Total Recoverable	Analysis	6020B		1	808819	RN	EET CHI	03/05/25 20:44
Total Recoverable	Prep	3005A			807837	S1Z	EET CHI	02/26/25 16:22 - 02/26/25 22:22 [1]
Total Recoverable	Analysis	6020B		1	809039	RN	EET CHI	03/06/25 16:25
Total Recoverable	Prep	3005A			807837	S1Z	EET CHI	02/26/25 16:22 - 02/26/25 22:22 [1]
Total Recoverable	Analysis	SM 2340B		1	808888	DAJ	EET CHI	03/06/25 11:06
Total/NA	Analysis	300.0		1	807891	MM	EET CHI	03/04/25 17:27
Total/NA	Analysis	300.0		1	807892	MM	EET CHI	03/04/25 17:27
Total/NA	Prep	Distill/CN			808349	AC	EET CHI	03/03/25 12:00 - 03/03/25 12:30 [1]
Total/NA	Analysis	335.4		1	808442	AC	EET CHI	03/03/25 15:57
Total/NA	Prep	Distill/Ammonia			809433	EB	EET CHI	03/11/25 13:23 - 03/11/25 14:23 [1]
Total/NA	Analysis	350.1		1	809710	EB	EET CHI	03/12/25 17:16
Total/NA	Prep	365.2/365.3/365			808572	MF	EET CHI	03/05/25 07:50 - 03/05/25 11:50 [1]
Total/NA	Analysis	365.1		1	808954	KF	EET CHI	03/06/25 14:08
Total/NA	Analysis	SM 2320B		1	808054	SO	EET CHI	02/27/25 12:13
Total/NA	Analysis	SM 2520B		1	809637	AC	EET CHI	03/12/25 10:54
Total/NA	Analysis	SM 2540C		1	808095	SO	EET CHI	02/28/25 11:59
Total/NA	Analysis	SM 2540D		1	807803	SO	EET CHI	02/26/25 14:41 - 02/26/25 14:46 [1]
Total/NA	Analysis	SM 4500 S2 F		1	808415	TR	EET CHI	03/03/25 11:30 - 03/03/25 11:33 [1]
Dissolved	Analysis	SM 5310C		1	809201	TR	EET CHI	03/07/25 05:34
Total/NA	Analysis	SM 5310C		1	809199	TR	EET CHI	03/06/25 22:03

Client Sample ID: TBS-01_20250224_FBLL

Lab Sample ID: 500-264438-6

Date Collected: 02/24/25 12:30

Matrix: Water

Date Received: 02/26/25 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	1631E		1	5423	D1C	EET SSM	03/06/25 17:00

Lab Chronicle

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264438-1

Client Sample ID: SBD-01_20250224

Lab Sample ID: 500-264438-7

Date Collected: 02/24/25 13:30

Matrix: Water

Date Received: 02/26/25 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	1630			5507	JS	EET SSM	03/12/25 10:25
Dissolved	Analysis	1630		1	5542	COW	EET SSM	03/12/25 22:21
Total/NA	Prep	1630			5507	JS	EET SSM	03/12/25 10:25
Total/NA	Analysis	1630		1	5542	COW	EET SSM	03/12/25 21:50
Dissolved	Analysis	1631E		1	5423	D1C	EET SSM	03/06/25 17:08
Total/NA	Analysis	1631E		1	5423	D1C	EET SSM	03/06/25 17:04
Dissolved	Prep	1638			5549	V1R	EET SSM	03/14/25 11:45
Dissolved	Analysis	1638		1	5599	V1R	EET SSM	03/14/25 22:51
Total Recoverable	Prep	1638			5551	V1R	EET SSM	03/14/25 11:45
Total Recoverable	Analysis	1638		1	5599	V1R	EET SSM	03/15/25 00:51
Dissolved	Prep	3005A			807838	S1Z	EET CHI	02/26/25 16:29 - 02/26/25 22:29 [1]
Dissolved	Analysis	6020B		1	809499	RN	EET CHI	03/11/25 13:35
Dissolved	Prep	3005A			807838	S1Z	EET CHI	02/26/25 16:29 - 02/26/25 22:29 [1]
Dissolved	Analysis	6020B		1	809425	RN	EET CHI	03/10/25 14:03
Total Recoverable	Prep	3005A			807837	S1Z	EET CHI	02/26/25 16:22 - 02/26/25 22:22 [1]
Total Recoverable	Analysis	6020B		1	808819	RN	EET CHI	03/05/25 20:46
Total Recoverable	Prep	3005A			807837	S1Z	EET CHI	02/26/25 16:22 - 02/26/25 22:22 [1]
Total Recoverable	Analysis	6020B		1	809039	RN	EET CHI	03/06/25 16:27
Total Recoverable	Prep	3005A			807837	S1Z	EET CHI	02/26/25 16:22 - 02/26/25 22:22 [1]
Total Recoverable	Analysis	SM 2340B		1	808888	DAJ	EET CHI	03/06/25 11:06
Total/NA	Analysis	300.0		1	807891	MM	EET CHI	03/04/25 14:39
Total/NA	Analysis	300.0		1	807892	MM	EET CHI	03/04/25 14:39
Total/NA	Prep	Distill/CN			808349	AC	EET CHI	03/03/25 12:00 - 03/03/25 12:30 [1]
Total/NA	Analysis	335.4		1	808442	AC	EET CHI	03/03/25 16:00
Total/NA	Prep	Distill/Ammonia			809433	EB	EET CHI	03/11/25 13:23 - 03/11/25 14:23 [1]
Total/NA	Analysis	350.1		1	809710	EB	EET CHI	03/12/25 17:17
Total/NA	Prep	365.2/365.3/365			808572	MF	EET CHI	03/05/25 07:50 - 03/05/25 11:50 [1]
Total/NA	Analysis	365.1		1	808954	KF	EET CHI	03/06/25 14:09
Total/NA	Analysis	SM 2320B		1	808054	SO	EET CHI	02/27/25 12:24
Total/NA	Analysis	SM 2520B		1	809637	AC	EET CHI	03/12/25 10:54
Total/NA	Analysis	SM 2540C		1	808095	SO	EET CHI	02/28/25 12:03
Total/NA	Analysis	SM 2540D		1	807803	SO	EET CHI	02/26/25 14:46 - 02/26/25 14:51 [1]
Total/NA	Analysis	SM 4500 S2 F		1	808415	TR	EET CHI	03/03/25 11:41 - 03/03/25 11:45 [1]
Dissolved	Analysis	SM 5310C		1	809201	TR	EET CHI	03/07/25 06:06
Total/NA	Analysis	SM 5310C		1	809199	TR	EET CHI	03/06/25 22:35

Client Sample ID: SBD-01_20250224_FBLL

Lab Sample ID: 500-264438-8

Date Collected: 02/24/25 13:30

Matrix: Water

Date Received: 02/26/25 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	1631E		1	5423	D1C	EET SSM	03/06/25 17:12

Lab Chronicle

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264438-1

Client Sample ID: MW-1AR_20250224

Lab Sample ID: 500-264438-9

Date Collected: 02/24/25 15:00

Matrix: Water

Date Received: 02/26/25 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	1630			5507	JS	EET SSM	03/12/25 10:25
Dissolved	Analysis	1630		1	5542	COW	EET SSM	03/12/25 22:41
Total/NA	Prep	1630			5507	JS	EET SSM	03/12/25 10:25
Total/NA	Analysis	1630		1	5542	COW	EET SSM	03/12/25 22:31
Dissolved	Analysis	1631E		1	5423	D1C	EET SSM	03/06/25 17:20
Total/NA	Analysis	1631E		1	5423	D1C	EET SSM	03/06/25 17:16
Dissolved	Prep	1638			5549	V1R	EET SSM	03/14/25 11:45
Dissolved	Analysis	1638		1	5599	V1R	EET SSM	03/14/25 22:55
Total Recoverable	Prep	1638			5551	V1R	EET SSM	03/14/25 11:45
Total Recoverable	Analysis	1638		1	5599	V1R	EET SSM	03/15/25 00:54
Dissolved	Prep	3005A			807838	S1Z	EET CHI	02/26/25 16:29 - 02/26/25 22:29 [1]
Dissolved	Analysis	6020B		1	809499	RN	EET CHI	03/11/25 13:38
Dissolved	Prep	3005A			807838	S1Z	EET CHI	02/26/25 16:29 - 02/26/25 22:29 [1]
Dissolved	Analysis	6020B		1	809425	RN	EET CHI	03/10/25 14:05
Total Recoverable	Prep	3005A			807837	S1Z	EET CHI	02/26/25 16:22 - 02/26/25 22:22 [1]
Total Recoverable	Analysis	6020B		1	808819	RN	EET CHI	03/05/25 20:49
Total Recoverable	Prep	3005A			807837	S1Z	EET CHI	02/26/25 16:22 - 02/26/25 22:22 [1]
Total Recoverable	Analysis	6020B		1	809039	RN	EET CHI	03/06/25 16:30
Total Recoverable	Prep	3005A			807837	S1Z	EET CHI	02/26/25 16:22 - 02/26/25 22:22 [1]
Total Recoverable	Analysis	SM 2340B		1	808888	DAJ	EET CHI	03/06/25 11:06
Total/NA	Analysis	300.0		1	807891	MM	EET CHI	03/04/25 14:55
Total/NA	Analysis	300.0		1	807892	MM	EET CHI	03/04/25 14:55
Total/NA	Prep	Distill/CN			808349	AC	EET CHI	03/03/25 12:00 - 03/03/25 12:30 [1]
Total/NA	Analysis	335.4		1	808442	AC	EET CHI	03/03/25 16:01
Total/NA	Prep	Distill/Ammonia			809433	EB	EET CHI	03/11/25 13:23 - 03/11/25 14:23 [1]
Total/NA	Analysis	350.1		1	809710	EB	EET CHI	03/12/25 17:18
Total/NA	Prep	365.2/365.3/365			808572	MF	EET CHI	03/05/25 07:50 - 03/05/25 11:50 [1]
Total/NA	Analysis	365.1		1	808954	KF	EET CHI	03/06/25 14:10
Total/NA	Analysis	SM 2320B		1	808054	SO	EET CHI	02/27/25 12:33
Total/NA	Analysis	SM 2520B		1	809637	AC	EET CHI	03/12/25 10:54
Total/NA	Analysis	SM 2540C		1	808095	SO	EET CHI	02/28/25 12:07
Total/NA	Analysis	SM 2540D		1	807803	SO	EET CHI	02/26/25 14:51 - 02/26/25 14:55 [1]
Total/NA	Analysis	SM 4500 S2 F		1	808415	TR	EET CHI	03/03/25 11:45 - 03/03/25 11:48 [1]
Dissolved	Analysis	SM 5310C		1	809201	TR	EET CHI	03/07/25 06:39
Total/NA	Analysis	SM 5310C		1	809199	TR	EET CHI	03/06/25 23:07

Client Sample ID: MW-1AR_20250224_FBLL

Lab Sample ID: 500-264438-10

Date Collected: 02/24/25 15:00

Matrix: Water

Date Received: 02/26/25 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	1631E		1	5423	D1C	EET SSM	03/06/25 17:25

Lab Chronicle

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264438-1

Client Sample ID: MW-1BR_20250224

Lab Sample ID: 500-264438-11

Date Collected: 02/24/25 16:30

Matrix: Water

Date Received: 02/26/25 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	1630			5507	JS	EET SSM	03/12/25 10:25
Dissolved	Analysis	1630		1	5542	COW	EET SSM	03/12/25 23:02
Total/NA	Prep	1630			5507	JS	EET SSM	03/12/25 10:25
Total/NA	Analysis	1630		1	5542	COW	EET SSM	03/12/25 22:52
Dissolved	Analysis	1631E		1	5423	D1C	EET SSM	03/06/25 17:33
Total/NA	Analysis	1631E		1	5423	D1C	EET SSM	03/06/25 17:29
Dissolved	Prep	1638			5549	V1R	EET SSM	03/14/25 11:45
Dissolved	Analysis	1638		1	5599	V1R	EET SSM	03/14/25 22:58
Total Recoverable	Prep	1638			5551	V1R	EET SSM	03/14/25 11:45
Total Recoverable	Analysis	1638		1	5599	V1R	EET SSM	03/15/25 00:58
Dissolved	Prep	3005A			807838	S1Z	EET CHI	02/26/25 16:29 - 02/26/25 22:29 [1]
Dissolved	Analysis	6020B		1	809499	RN	EET CHI	03/11/25 13:40
Total Recoverable	Prep	3005A			807837	S1Z	EET CHI	02/26/25 16:22 - 02/26/25 22:22 [1]
Total Recoverable	Analysis	6020B		1	808819	RN	EET CHI	03/05/25 20:51
Total Recoverable	Prep	3005A			807837	S1Z	EET CHI	02/26/25 16:22 - 02/26/25 22:22 [1]
Total Recoverable	Analysis	6020B		1	809039	RN	EET CHI	03/06/25 16:33
Total Recoverable	Prep	3005A			807837	S1Z	EET CHI	02/26/25 16:22 - 02/26/25 22:22 [1]
Total Recoverable	Analysis	SM 2340B		1	808888	DAJ	EET CHI	03/06/25 11:06
Total/NA	Analysis	300.0		1	807891	MM	EET CHI	03/04/25 15:10
Total/NA	Analysis	300.0		1	807892	MM	EET CHI	03/04/25 15:10
Total/NA	Prep	Distill/CN			808349	AC	EET CHI	03/03/25 12:00 - 03/03/25 12:30 [1]
Total/NA	Analysis	335.4		1	808442	AC	EET CHI	03/03/25 16:02
Total/NA	Prep	Distill/Ammonia			809433	EB	EET CHI	03/11/25 13:23 - 03/11/25 14:23 [1]
Total/NA	Analysis	350.1		1	809710	EB	EET CHI	03/12/25 17:19
Total/NA	Prep	365.2/365.3/365			808572	MF	EET CHI	03/05/25 07:50 - 03/05/25 11:50 [1]
Total/NA	Analysis	365.1		1	808954	KF	EET CHI	03/06/25 14:10
Total/NA	Analysis	SM 2320B		1	808054	SO	EET CHI	02/27/25 12:43
Total/NA	Analysis	SM 2520B		1	809637	AC	EET CHI	03/12/25 10:54
Total/NA	Analysis	SM 2540C		1	808095	SO	EET CHI	02/28/25 12:11
Total/NA	Analysis	SM 2540D		1	807803	SO	EET CHI	02/26/25 14:55 - 02/26/25 15:00 [1]
Total/NA	Analysis	SM 4500 S2 F		1	808415	TR	EET CHI	03/03/25 12:15 - 03/03/25 12:18 [1]
Dissolved	Analysis	SM 5310C		1	809201	TR	EET CHI	03/07/25 08:16
Total/NA	Analysis	SM 5310C		1	809199	TR	EET CHI	03/06/25 23:39

Client Sample ID: MW-1BR_20250224_FBLL

Lab Sample ID: 500-264438-12

Date Collected: 02/24/25 16:30

Matrix: Water

Date Received: 02/26/25 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	1631E		1	5423	D1C	EET SSM	03/06/25 17:37

Lab Chronicle

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264438-1

Client Sample ID: SBW-01_20250224

Lab Sample ID: 500-264438-13

Date Collected: 02/24/25 15:30

Matrix: Water

Date Received: 02/26/25 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	1630			5507	JS	EET SSM	03/12/25 10:25
Dissolved	Analysis	1630		1	5542	COW	EET SSM	03/12/25 23:22
Total/NA	Prep	1630			5507	JS	EET SSM	03/12/25 10:25
Total/NA	Analysis	1630		1	5542	COW	EET SSM	03/12/25 23:12
Dissolved	Analysis	1631E		1	5423	D1C	EET SSM	03/06/25 17:54
Total/NA	Analysis	1631E		1	5423	D1C	EET SSM	03/06/25 17:49
Dissolved	Prep	1638			5549	V1R	EET SSM	03/14/25 11:45
Dissolved	Analysis	1638		1	5599	V1R	EET SSM	03/14/25 23:02
Total Recoverable	Prep	1638			5551	V1R	EET SSM	03/14/25 11:45
Total Recoverable	Analysis	1638		1	5599	V1R	EET SSM	03/15/25 01:01
Dissolved	Prep	3005A			807838	S1Z	EET CHI	02/26/25 16:29 - 02/26/25 22:29 [1]
Dissolved	Analysis	6020B		1	809499	RN	EET CHI	03/11/25 13:43
Total Recoverable	Prep	3005A			807838	S1Z	EET CHI	02/26/25 16:29 - 02/26/25 22:29 [1]
Total Recoverable	Analysis	6020B		1	809499	RN	EET CHI	03/11/25 14:09
Total Recoverable	Prep	3005A			807838	S1Z	EET CHI	02/26/25 16:29 - 02/26/25 22:29 [1]
Total Recoverable	Analysis	SM 2340B		1	808888	DAJ	EET CHI	03/11/25 10:33
Total/NA	Analysis	300.0		1	807891	MM	EET CHI	03/04/25 15:25
Total/NA	Analysis	300.0		1	807892	MM	EET CHI	03/04/25 15:25
Total/NA	Prep	Distill/CN			808349	AC	EET CHI	03/03/25 12:00 - 03/03/25 12:30 [1]
Total/NA	Analysis	335.4		1	808442	AC	EET CHI	03/03/25 16:04
Total/NA	Prep	Distill/Ammonia			809433	EB	EET CHI	03/11/25 13:23 - 03/11/25 14:23 [1]
Total/NA	Analysis	350.1		1	809710	EB	EET CHI	03/12/25 17:22
Total/NA	Prep	365.2/365.3/365			808572	MF	EET CHI	03/05/25 07:50 - 03/05/25 11:50 [1]
Total/NA	Analysis	365.1		1	808954	KF	EET CHI	03/06/25 14:11
Total/NA	Analysis	SM 2320B		1	808054	SO	EET CHI	02/27/25 13:03
Total/NA	Analysis	SM 2520B		1	809637	AC	EET CHI	03/12/25 10:54
Total/NA	Analysis	SM 2540C		1	808095	SO	EET CHI	02/28/25 12:23
Total/NA	Analysis	SM 2540D		1	807803	SO	EET CHI	02/26/25 15:00 - 02/26/25 15:05 [1]
Total/NA	Analysis	SM 4500 S2 F		1	808415	TR	EET CHI	03/03/25 12:07 - 03/03/25 12:11 [1]
Dissolved	Analysis	SM 5310C		1	809201	TR	EET CHI	03/07/25 08:48
Total/NA	Analysis	SM 5310C		1	809199	TR	EET CHI	03/07/25 00:12

Client Sample ID: SBW-01_20250224_FBLL

Lab Sample ID: 500-264438-14

Date Collected: 02/24/25 15:30

Matrix: Water

Date Received: 02/26/25 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	1631E		1	5423	D1C	EET SSM	03/06/25 17:58

Lab Chronicle

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264438-1

Client Sample ID: TBN-01_20250224

Lab Sample ID: 500-264438-15

Date Collected: 02/24/25 17:00

Matrix: Water

Date Received: 02/26/25 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	1630			5278	JS	EET SSM	02/28/25 12:15
Dissolved	Analysis	1630		1	5300	COW	EET SSM	02/28/25 23:08
Total/NA	Prep	1630			5278	JS	EET SSM	02/28/25 12:15
Total/NA	Analysis	1630		1	5300	COW	EET SSM	02/28/25 22:58
Dissolved	Analysis	1631E		1	5423	D1C	EET SSM	03/06/25 18:06
Total/NA	Analysis	1631E		1	5423	D1C	EET SSM	03/06/25 18:02
Dissolved	Prep	1638			5549	V1R	EET SSM	03/14/25 11:45
Dissolved	Analysis	1638		1	5599	V1R	EET SSM	03/14/25 23:05
Total Recoverable	Prep	1638			5551	V1R	EET SSM	03/14/25 11:45
Total Recoverable	Analysis	1638		1	5599	V1R	EET SSM	03/15/25 01:05
Dissolved	Prep	3005A			807898	BDE	EET CHI	02/27/25 08:23 - 02/27/25 14:23 [1]
Dissolved	Analysis	6020B		1	809424	RN	EET CHI	03/10/25 13:53
Dissolved	Prep	3005A			807898	BDE	EET CHI	02/27/25 08:23 - 02/27/25 14:23 [1]
Dissolved	Analysis	6020B		1	809745	RN	EET CHI	03/12/25 13:32
Total Recoverable	Prep	3005A			807898	BDE	EET CHI	02/27/25 08:23 - 02/27/25 14:23 [1]
Total Recoverable	Analysis	6020B		1	809424	RN	EET CHI	03/10/25 13:50
Total Recoverable	Prep	3005A			807898	BDE	EET CHI	02/27/25 08:23 - 02/27/25 14:23 [1]
Total Recoverable	Analysis	6020B		1	809745	RN	EET CHI	03/12/25 13:24
Total Recoverable	Prep	3005A			807898	BDE	EET CHI	02/27/25 08:23 - 02/27/25 14:23 [1]
Total Recoverable	Analysis	SM 2340B		1	808888	DAJ	EET CHI	03/11/25 10:36
Total/NA	Analysis	300.0		1	807891	MM	EET CHI	03/04/25 15:41
Total/NA	Analysis	300.0		1	807892	MM	EET CHI	03/04/25 15:41
Total/NA	Prep	Distill/CN			808349	AC	EET CHI	03/03/25 12:00 - 03/03/25 12:30 [1]
Total/NA	Analysis	335.4		1	808442	AC	EET CHI	03/03/25 16:05
Total/NA	Prep	Distill/Ammonia			809433	EB	EET CHI	03/11/25 13:23 - 03/11/25 14:23 [1]
Total/NA	Analysis	350.1		1	809710	EB	EET CHI	03/12/25 17:23
Total/NA	Prep	365.2/365.3/365			808572	MF	EET CHI	03/05/25 07:50 - 03/05/25 11:50 [1]
Total/NA	Analysis	365.1		1	808954	KF	EET CHI	03/06/25 14:11
Total/NA	Analysis	SM 2320B		1	808054	SO	EET CHI	02/27/25 13:12
Total/NA	Analysis	SM 2520B		1	809637	AC	EET CHI	03/12/25 10:54
Total/NA	Analysis	SM 2540C		1	808095	SO	EET CHI	02/28/25 12:27
Total/NA	Analysis	SM 2540D		1	807803	SO	EET CHI	02/26/25 15:05 - 02/26/25 15:10 [1]
Total/NA	Analysis	SM 4500 S2 F		1	808415	TR	EET CHI	03/03/25 11:37 - 03/03/25 11:41 [1]
Dissolved	Analysis	SM 5310C		1	809201	TR	EET CHI	03/07/25 09:20
Total/NA	Analysis	SM 5310C		1	809199	TR	EET CHI	03/07/25 02:53

Client Sample ID: TBN-01_20250224_FBLL

Lab Sample ID: 500-264438-16

Date Collected: 02/24/25 17:00

Matrix: Water

Date Received: 02/26/25 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	1631E		1	5423	D1C	EET SSM	03/06/25 18:10

[1] This procedure uses a method stipulated length of time for the process. Both start and end times are displayed.

Lab Chronicle

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264438-1

Laboratory References:

EET CHI = Eurofins Chicago, 18410 Crossing Drive, Suite E, Tinley Park, IL 60487, TEL (708)534-5200

EET SSM = Eurofins Seattle Specialty Metals, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

Accreditation/Certification Summary

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264438-1

Laboratory: Eurofins Chicago

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Georgia	State	N/A	05-31-25
Georgia (DW)	State	939	05-31-25
Hawaii	State	NA	05-31-25
Illinois	NELAP	100201	05-31-25
Indiana	State	C-IL-02	05-31-25
Iowa	State	082	05-01-26
Kansas	NELAP	E-10161	10-31-25
Kentucky (UST)	State	AI # 108083	05-31-25
Kentucky (WW)	State	KY90023	12-31-24 *
Louisiana (All)	NELAP	02046	06-30-25
Mississippi	State	NA	05-31-25
North Carolina (WW/SW)	State	291	12-31-25
North Dakota	State	R-194	04-29-24 *
Oklahoma	State	8908	08-31-25
South Carolina	State	77001003	05-31-25
USDA	US Federal Programs	P330-18-00018	03-30-26
Wisconsin	State	399172840	08-31-26
Wyoming	State	8TMS-Q	05-31-25

Laboratory: Eurofins Seattle Specialty Metals

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	20-004	02-19-27
ANAB	Dept. of Defense ELAP	L2236	01-19-27
ANAB	Dept. of Energy	L2236.01	01-19-27
ANAB	ISO/IEC 17025	L2236	01-19-27
California	State	2954	07-07-25
Florida	NELAP	E87575	06-30-25
Louisiana (All)	NELAP	03073	06-30-25
Maine	State	WA01273	05-02-26
New Jersey	NELAP	WA014	06-30-25
New York	NELAP	11662	04-01-25
Oregon	NELAP	4167-008	07-07-25
US Fish & Wildlife	US Federal Programs	A20571	06-30-25
USDA	US Federal Programs	525-23-4-22573	01-04-26
Washington	State	C788-23a	07-13-25
Wisconsin	State	399133460	07-31-25

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Eurofins Chicago
18410 Crossing Drive, Suite E
Tinley Park, IL 60487
Phone (708) 534-5200 Phone (262) 202-5955

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Ellen Coppernoll	Lab PM: Fredrick, Sandie	Carrier Tracking No(s): 4376 05685105	COC No: 500-133049-50241 38
Client Contact: Amanda Zeidler	Phone: 517-513-2249	E-Mail: Sandra Fredrick@et.eurofinsus com	State of Origin: Michigan	Page: Page 1 of 1
Company: White Pine Copper LLC	PWSID:			Job #: 500-264438
Address: 35362 Mall Circle Drive	Due Date Requested:			
City: White Pine	TAT Requested (days): 10 days			
State, Zip: MI, 49971	Compliance Project: Δ Yes Δ No			
Phone: 906-204-6500	PO #: Purchase Order not required			
Email: AZeidler@whitepinecu com	WO #:			
Project Name: White Pines, MI	Project #: 50023455			
Site: White Pine North Baseline Sampling	SSOW#:			

Analysis Requested

Preservation Codes:
S - H2SO4
N None
CB - ZnAcetate/NaOH
B NaOH
D - HNO3
A - HCL

500-264438 COC

Other:

	Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	350.1 Ammonia, 365.1 Phos	2320B, 2540C, 2540D, 300.0_28D, 300_48HR, SM2520_B	SM4500_S2_F - Sulfide, Total	335.4 - Cyanide, Total	SM5310_DOC_C - Organic Carbon, Dissolved (DOC) - tripli	6020B, SM2340B Total Metals / Hardness	1638 - Uranium only (ICP/MS)	1631E - Mercury, Low Level (CVAFS)	1630_ME - Methyl Mercury	6020B - Dissolved Metals (ICP/MS) - 27 elements	1638 - Dissolved Uranium only (ICP/MS) (field filtered)	1631E - Dissolved Mercury, Low Level (CVAFS) (filtered)	1630_ME - Dissolved Methyl Mercury (field filtered)	5310C - TOC	Total Number of containers	Special Instructions/Note:
				Preservation Code:				S	N	CB	B	S	D	D	N	A	D	D	N	A	S		
1	DKC-01-20250224	2-24-25	10 30	G	Water	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	22	
2	DKC-01-20250224_FBLL	2-24-25	10130	G	Water										X							2	
3	ARC-01-20250224	2-24-25	08:30	G	Water	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	22	
4	ARC-01_20250224_FBLL	2-24-25	08130	G	Water										X							2	
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested I, [II], III, IV, Other (specify)

Special Instructions/QC Requirements MDLs must meet Michigan requirements

Empty Kit Relinquished by:	Date	Time	Method of Shipment: FedEx Priority Overnight

Relinquished by: Ellen	Date/Time: 02-24-25 / 1800	Company: MSG	Received by:	Date/Time: 2-24-25 1800	Company: MSG
Relinquished by:	Date/Time: 2 25 25 10:00	Company: MSG	Received by: FedEx 437605685105	Date/Time:	Company:
Relinquished by:	Date/Time:	Company:	Received by: Stephanie Hernandez	Date/Time: 2/26/25 1010	Company: EETA

Custody Seals Intact Δ Yes Δ No | Custody Seal No

Cooler Temperature(s) °C and Other Remarks: 4.9+4.8, 0.3+0.0, 2.8+2.7, 1.7+1.6

Eurofins Chicago
18410 Crossing Drive, Suite E
Tinley Park, IL 60487
Phone (708) 534-5200 Phone (262) 202-5955

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Ellen Coppernoll	Lab PM: Fredrick, Sandie	Carrier Tracking No(s): 4376 0568 5090	COC No: 500-133049-50241 40
Client Contact: Amanda Zeidler	Phone: 517-513 2249	E Mail: Sandra Fredrick@et eurofinsus com	State of Origin: Michigan	Page: Page 1 of 1
Company: White Pine Copper LLC	PWSID:			Job #: 500-264438
Address: 35362 Mall Circle Drive	Due Date Requested:			
City: White Pine	TAT Requested (days): 10 days			
State, Zip: MI, 49971	Compliance Project: Δ Yes Δ No			
Phone: 906-204-6500	PO #: Purchase Order not required			
Email: AZeidler@whitepinecu com	WO #:			
Project Name: White Pines, MI	Project #: 50023455			
Site: White Pine North Baseline Sampling	SSOW#:			

Analysis Requested

Preservation Codes: S H2SO4; N None; CB ZnAcetate/NaOH; B NaOH; D HNO3; A HCL; Other:

	Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	350.1 Ammonia, 365.1 Phos	2320B, 2540C, 2540D, 300.0_28D, 300_48HR, SM2520_B	SM4500_S2_F - Sulfide, Total	335.4 - Cyanide, Total	SM5310_DOC_C - Organic Carbon, Dissolved (DOC) - tripli	6020B, SM2340B Total Metals / Hardness	1638 - Uranium only (ICP/MS)	1631E - Mercury, Low Level (CVAFS)	1630_ME - Methyl Mercury	6020B - Dissolved Metals (ICP/MS) - 27 elements	1638 - Dissolved Uranium only (ICP/MS) (field filtered)	1631E - Dissolved Mercury, Low Level (CVAFS) (filtered)	1630_ME - Dissolved Methyl Mercury (field filtered)	5310C - TOC	Total Number of containers	Special Instructions/Note:
				Preservation Code:				S	N	CB	B	S	D	D	N	A	D	D	N	A	S		
5	TBS-01_20250224	2-24-25	12:30	G	Water	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	22	
6	TBS-01_20250224_FBL	2-24-25	12:30	G	Water										X							2	
7	SBD 01_20250224	2-24-25	13:30	G	Water	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	22	
8	SBD-01_20250224_FBL	2-24-25	13:30	G	Water										X							2	
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested I, II, III, IV, Other (specify)

Special Instructions/QC Requirements MDLs must meet Michigan requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment: FedEx Priority overnight

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1	Ellen	02-24-25 / 1800	MSG		2-24-25 1800	MSG
2		2-25-25 10:00	MSG	FedEx 437605685090		
3				Stephanie Hernandez	2/26/25 1010	EFIA

Custody Seals Intact Δ Yes Δ No | Custody Seal No

Cooler Temperature(s) °C and Other Remarks

Ver 05/06/2024

3/20/2025

Eurofins Chicago
18410 Crossing Drive, Suite E
Tinley Park, IL 60487
Phone (708) 534-5200 Phone (262) 202-5955

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Jacob Dean	Lab PM: Fredrick, Sandie	Carrier Tracking No(s): 9376 0568 5127	COC No: 500-133049-50241 1
Client Contact: Amanda Zeidler	Phone: 906-487-7454	E-Mail: Sandra.Fredrick@et.eurofinsus.com	State of Origin: Michigan	Page: Page 1 of 1
Company: White Pine Copper LLC	PWSID:			Job #: 500-264438
Address: 35362 Mall Circle Drive	Due Date Requested:			
City: White Pine	TAT Requested (days): 10 days			
State, Zip: MI, 49971	Compliance Project: Δ Yes Δ No			
Phone: 906-204-6500	PO #: Purchase Order not required			
Email: AZeidler@whitepinecu.com	WO #:			
Project Name: White Pines, MI	Project #: 50023455			
Site: White Pine North Baseline Sampling	SSOW#:			

Analysis Requested

Preservation Codes:
S - H2SO4
N None
CB ZnAcetate/NaOH
B NaOH
D HNO3
A HCL
Other:

	Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	350.1 Ammonia, 365.1 Phos	2320B, 2540C, 2540D, 300.0_28D, 300_48HR, SM2520_B	SM4500_S2_F - Sulfide, Total	335.4 - Cyanide, Total	SM5310_DOC_C - Organic Carbon, Dissolved (DOC) - tripli	6020B, SM2340B Total Metals / Hardness	1638 - Uranium only (ICP/MS)	1631E - Mercury, Low Level (CVAFS)	1630_ME - Methyl Mercury	6020B - Dissolved Metals (ICP/MS) - 27 elements	1638 - Dissolved Uranium only (ICP/MS) (field filtered)	1631E - Dissolved Mercury, Low Level (CVAFS) (filtered)	1630_ME - Dissolved Methyl Mercury (field filtered)	5310C - TOC	Total Number of containers	Special Instructions/Note:
				Preservation Code:				S	N	CB	B	S	D	D	N	A	D	D	N	A	S		
9	MW-1AR_20250224	2.24.25	15:00	G	Water	Y		X	X	X	X	X	X	X	X	X	X	X	X	X	X	2	
11	MW-1BR_20250224	2.24.25	16:30	G	Water	Y		X	X	X	X	X	X	X	X	X	X	X	X	X	X	2	
10	MW_1AR_20250224_FBLK	2.24.25	15:00	G	Water										X							2	
12	MW_1BR_20250224_FBLK	2.24.25	16:30	G	Water										X							2	
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, ☒ II, III, IV, Other (specify)

Special Instructions/QC Requirements: MDLs must meet Michigan requirements

Empty Kit Relinquished by:	Date	Time	Method of Shipment: FedEx Priority overnight

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1	Jacob Dean	2.24.25 17:30	MSG	[signature]	2-24-25 17:30	MSG
2	[signature]	2-25-25 10:30	MSG	FedEx 9376 0568 5127	2 25 25	
3	[signature]	Date/Time:	Company	Stephanie Hernandez	2/26/25 1010	FEIA

Custody Seals Intact: Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks

Eurofins Chicago
18410 Crossing Drive, Suite E
Tinley Park, IL 60487
Phone (708) 534-5200 Phone (262) 202-5955

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Ellen Coppernoll	Lab PM: Fredrick, Sandie	Carrier Tracking No(s): 4376 0568 5116	COC No: 500-133049-50241 39
Client Contact: Amanda Zeidler	Phone: 517-513 2249	E-Mail: Sandra Fredrick@et eurofinsus com	State of Origin: Michigan	Page: Page 1 of 1
Company: White Pine Copper LLC	PWSID:			Job #: 500-204438
Address: 35362 Mall Circle Drive	Due Date Requested:			
City: White Pine	TAT Requested (days): 10 days			
State Zip: MI, 49971	Compliance Project: Δ Yes Δ No			
Phone: 906-204-6500	PO #: Purchase Order not required			
Email: AZeidler@whitepinecu com	WO #:			
Project Name: White Pines, MI	Project #: 50023455			
Site: White Pine North Baseline Sampling	SSOW#:			

Analysis Requested

Preservation Codes:
S - H2SO4
N - None
CB ZnAcetate/NaOH
B NaOH
D HNO3
A HCL
Other:

	Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	350.1 Ammonia, 365.1 Phos	2320B, 2540C, 2540D, 300.0_28D, 300_48HR, SM2520_B	SM4500_S2_F - Sulfide, Total	335.4 - Cyanide, Total	SM5310_DOC_C - Organic Carbon, Dissolved (DOC) - tripli	6020B, SM2340B Total Metals / Hardness	1638 - Uranium only (ICP/MS)	1631E - Mercury, Low Level (CVAFS)	1630_ME - Methyl Mercury	6020B - Dissolved Metals (ICP/MS) - 27 elements	1638 - Dissolved Uranium only (ICP/MS) (field filtered)	1631E - Dissolved Mercury, Low Level (CVAFS) (filtered)	1630_ME - Dissolved Methyl Mercury (field filtered)	5310C - TOC	Total Number of containers	Special Instructions/Note:
				Preservation Code:				S	N	CB	B	S	D	D	N	A	D	D	N	A	S		
13	SBW-01_20250224	2-24-25	15:30	G	Water	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	22	
14	SBW-01_20250224_FBLL	2-24-25	15:30	G	Water										X							2	
15	TBW-01_20250224	2-24-25	17:00	G	Water	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	22	
16	TBW-01_20250224_FBLL	2-24-25	17:00	G	Water										X							2	
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested I, II, III, IV, Other (specify)

Special Instructions/QC Requirements MDLs must meet Michigan requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment: Fedex Priority Overnight

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1	Ellen	02-24-25 / 1800	MSG		2-24 25 1800	MSG
2		2 25 25 1015	MSG	FedEx 4376 0568 5116	Date/Time	Company
3	Relinquished by	Date/Time	Company	Received by: Stephanie Hernandez	2/26/25 1010	EETA

Custody Seals Intact Δ Yes Δ No | Custody Seal No

Cooler Temperature(s) °C and Other Remarks


616 SHELDEN AVE
SUITE 210
HOUGHTON, MI 49931
UNITED STATES US
TO SAMPLE RECIEPT
EUROFINS
18410 CROSSING DRIVE
SUITE E
TINLEY PARK IL 60487
(262) 202-5955
INV:
PO
REF
DEPT
RMA
FedEx Express
WED - 26 FEB AA
PRIORITY OVERNIGHT
TRK# 0221 4376 0568 5090
60487
IL-US
ORD
XP JOTA
5025547 25Feb2025 CMXA 581G4/26DE/5FE5


500-264438 Waybi
JED CHRISTENSEN
THE MANNIK & SMITH GROUP
616 SHELDEN AVE
SUITE 210
HOUGHTON, MI 49931
UNITED STATES US
CAD 0780307/CAFE3855
TO SAMPLE RECIEPT
EUROFINS
18410 CROSSING DRIVE
SUITE E
TINLEY PARK IL 60487
(262) 202-5955
INV:
PO
REF
DEPT
RMA
FedEx Express
TRK# 0221 4376 0568 5116
RETURNS MON-SAT
PRIORITY OVERNIGHT
WED - 26 FEB AA
PRIORITY OVERNIGHT
60487
IL-US
ORD
XP JOTA

JED CHRESTENSEN
THE MANNIK & SMITH GROUP
616 SHELDEN AVE
SUITE 210
HOUGHTON, MI 49931
UNITED STATES US

CAD: 0780307/CAFE3855

TO SAMPLE RECIEPT
EUROFINS
18410 CROSSING DRIVE
SUITE E
TINLEY PARK IL 60487

(262) 202-5955 REF
INV:
PO: DEPT

RMA

FedEx Express

J24302407040101uv

FedEx
TRK# 0221 4376 0568 5127

WED - 26 FEB AA
PRIORITY OVERNIGHT

XP JOTA

60487
IL-US
ORD

5025547 25Feb2025 CMXA 581G4/260E/5FE5

JED CHRESTENSEN
THE MANNIK & SMITH GROUP
616 SHELDEN AVE
SUITE 210
HOUGHTON, MI 49931
UNITED STATES US

CAD: 0780307/CAFE3855

TO SAMPLE RECIEPT
EUROFINS
18410 CROSSING DRIVE
SUITE E
TINLEY PARK IL 60487

(262) 202-5955 REF
INV:
PO: DEPT

RMA

FedEx Express

J24302407040101uv

FedEx
TRK# 0221 4376 0568 5105

WED - 26 FEB AA
PRIORITY OVERNIGHT

XP JOTA

60487
IL-US
ORD

5025547 25Feb2025 CMXA 581G4/26DE/5FE5

Eurofins Chicago
18410 Crossing Drive Suite E
Tinley Park, IL 60487
Phone: 708-534-5200 Fax: 708-534-5211

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Fredrick, Sandie	Carrier Tracking No(s): N/A	COC No: 500-198827.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Sandra.Fredrick@et.eurofinsus.com	State of Origin: Michigan	Page: Page 1 of 2
Company: Eurofins Environment Testing Northwest,		Accreditations Required (See note): N/A		Job #: 500-264438-1
Address: 5755 8th Street East, ,	Due Date Requested: 3/19/2025			
City: Tacoma	TAT Requested (days): N/A			
State, Zip: WA, 98424				
Phone: 253-922-2310(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: White Pines, MI	Project #: 50023455			
Site: N/A	SSOW#: N/A			

Therm. ID: SC0 3 Cust. Seal: (Y) / N
Uncorr./Corr. Temp: 1.3 / 1.2 °C
Delivery: UPS / FedEx / Other: ____
Ice Type: Blue / Dry / (Wet) / None
Label Ver.: 2 Packing: B

Therm. ID: SC0 2 Cust. Seal: (Y) / N
Uncorr./Corr. Temp: 0.9 / 0.7 °C
Delivery: UPS (FedEx) / Other: ____
Ice Type: Blue / Dry / (Wet) / None
Label Ver.: 2 Packing: B

Therm. ID: SC0 4 Cust. Seal: (Y) / N
Uncorr./Corr. Temp: 16.0 / 15.7 °C
Delivery: UPS / FedEx / Other: ____
Ice Type: Blue / Dry / Wet / (None)
Label Ver.: 2 Packing: B

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	1638/1638_Prep_W Uranium only (ICP/MS)	1631E/ Mercury, Low Level (CVAFS)	1630_ME/1630_Dist_PFP Methyl Mercury	1638/FIELD_FLTRD Dissolved Uranium only (ICP/MS) (field f	1631E/FIELD_FLTRD Dissolved Mercury, Low Level (CVAFS) (fi	1630_ME/FIELD_FLTRD Dissolved Methyl Mercury (field filtered	Total
Preservation Code:													
DKC-01_20250224 (500-264438-1)	2/24/25	10:30 Eastern	G	Water			X	X	X	X	X	X	8
DKC-01_20250224_FBLL (500-264438-2)	2/24/25	10:30 Eastern	G	Water				X					2
ARC-01_20250224 (500-264438-3)	2/24/25	08:30 Eastern	G	Water			X	X	X	X	X	X	8
ARC-01_20250224_FBLL (500-264438-4)	2/24/25	08:30 Eastern	G	Water				X					2
TBS-01_20250224 (500-264438-5)	2/24/25	12:30 Eastern	G	Water			X	X	X	X	X	X	8
TBS-01_20250224_FBLL (500-264438-6)	2/24/25	12:30 Eastern	G	Water				X					2
SBD-01_20250224 (500-264438-7)	2/24/25	13:30 Eastern	G	Water			X	X	X	X	X	X	8
SBD-01_20250224_FBLL (500-264438-8)	2/24/25	13:30 Eastern	G	Water				X					2
MW-1AR_20250224 (500-264438-9)	2/24/25	15:00 Eastern	G	Water			X	X	X	X	X	X	8

Analysis Requested: Ls Blue; Ls Blue; Special I; 5+4+3 to Lab

Note: Since laboratory accreditations are subject to change, Eurofins Chicago places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Chicago laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Chicago attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Chicago.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed 4468 9403 9248	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
[signature]	2/26/25 1630		[signature]	2/27/25 9:45	ET
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 10/10/2024

3/20/2025

Eurofins Chicago
18410 Crossing Drive Suite E
Tinley Park, IL 60487
Phone: 708-534-5200 Fax: 708-534-5211

Chain of Custody Record

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3/20/2025

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Fredrick, Sandie	Carrier Tracking No(s): N/A	COC No: 500-198827.2
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Sandra.Fredrick@et.eurofinsus.com	State of Origin: Michigan	Page: Page 2 of 2
Company: Eurofins Environment Testing Northwest,		Accreditations Required (See note): N/A		Job #: 500-264438-1
Address: 5755 8th Street East, ,	Due Date Requested: 3/19/2025			Preservation Codes: -
City: Tacoma	TAT Requested (days): N/A			
State, Zip: WA, 98424				
Phone: 253-922-2310(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: White Pines, MI	Project #: 50023455			
Site: N/A	SSOW#: N/A			Other: N/A

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	1638/1638_Prep_W Uranium only (ICP/MS)	1631E/ Mercury, Low Level (CVAFS)	1630_ME/1630_Dist_PFP Methyl Mercury	1638/FIELD_FLTRD Dissolved Uranium only (ICP/MS) (field f	1631E/FIELD_FLTRD Dissolved Mercury, Low Level (CVAFS) (fi	1630_ME/FIELD_FLTRD Dissolved Methyl Mercury (field filtered	Total Number of containers	Special Instructions/Note:
			Preservation Code:											
MW-1AR_20250224_FBLL (500-264438-10)	2/24/25	15:00 Eastern	G	Water				X					2	
MW-1BR_20250224 (500-264438-11)	2/24/25	16:30 Eastern	G	Water			X	X	X	X	X	X	8	
MW-1BR_20250224_FBLL (500-264438-12)	2/24/25	16:30 Eastern	G	Water				X					2	
SBW-01_20250224 (500-264438-13)	2/24/25	15:30 Eastern	G	Water			X	X	X	X	X	X	8	
SBW-01_20250224_FBLL (500-264438-14)	2/24/25	15:30 Eastern	G	Water				X					2	
TBN-01_20250224 (500-264438-15)	2/24/25	17:00 Eastern	G	Water			X	X	X	X	X	X	8	
TBN-01_20250224_FBLL (500-264438-16)	2/24/25	17:00 Eastern	G	Water				X					2	

Note: Since laboratory accreditations are subject to change, Eurofins Chicago places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Chicago laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Chicago attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Chicago.

Possible Hazard Identification *Unconfirmed*	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)* ☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Phi Scott	2/26/25 1630			2/27/25 9:45	ECIV
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 10/10/2024

Login Sample Receipt Checklist

Client: White Pine Copper LLC

Job Number: 500-264438-1

Login Number: 264438
List Number: 1
Creator: Hernandez, Stephanie

List Source: Eurofins Chicago

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	4.8,0.0,2.7,1.6
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	False	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: White Pine Copper LLC

Job Number: 500-264438-1

Login Number: 264438
List Number: 2
Creator: Singh, Jaskaran

List Source: Eurofins Seattle Specialty Metals
List Creation: 02/27/25 03:14 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	

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Date:	2/27/2025
End Time:	15:04
pH Paper Lot:	hc441704
Analyst:	VT

Preservative ID	Preservative Type	Container ID
A	Hydrochloric Acid	na
A	Nitric Acid	na
zzzzzzzzzzzzzzzz	zzzzzzzzzzzzzzzzzzzzzzzz	zzzzzzzzzz
zzzzzzzzzzzzzzzz	zzzzzzzzzzzzzzzzzzzzzzzz	zzzzzzzzzz

Sample ID	Initial pH	Final pH	Preservative ID	Preservative Added (mL)	Comments
500-264438-M-3	<2				
500-264438-N-15	<2				
500-264438-N-13	<2				
500-264438-M-13	<2				
500-264438-M-7	<2				
500-264438-M-5	<2				
500-264438-N-3	<2				
500-264438-N-11	<2				
500-264438-M-15	<2				
500-264438-N-1	<2				
500-264438-M-9	<2				
500-264438-N-5	<2				
500-264438-M-11	<2				
500-264438-N-9	<2				
500-264438-N-7	<2				
500-264438-M-1	<2				

2/27/25

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Date:	2/27/2025
End Time:	14:58
KI Paper Lot:	N/A
Analyst:	JS

Preservative ID	Preservative Type	Container ID
A	Bromine Monochloride (0.2N)	57151
ZZZZZZZZZZZZZZZ	ZZZZZZZZZZZZZZZZZZZZZZZ	ZZZZZZZZZZ
ZZZZZZZZZZZZZZZ	ZZZZZZZZZZZZZZZZZZZZZZZ	ZZZZZZZZZZ
ZZZZZZZZZZZZZZZ	ZZZZZZZZZZZZZZZZZZZZZZZ	ZZZZZZZZZZ

Pipette : MP_HG04 (mL) JS 2/27/25

Sample ID	Pres. Used (ID)	Oxidized (Y/N)?	Pres. Vol. (mL)/Percent (%)	Comments
500-264438-A-1	A	Y	8x8/2	
500-264438-B-1	A	Y	8x8/2	
500-264438-C-1	A	Y	8x8/2	
500-264438-D-1	A	Y	8x8/2	
500-264438-A-2	A	Y	8x8/2	
500-264438-B-2	A	Y	8x8/2	
500-264438-A-3	A	Y	8x8/2	
500-264438-B-3	A	Y	8x8/2	
500-264438-C-3	A	Y	8x8/2	
500-264438-D-3	A	Y	8x8/2	
500-264438-A-4	A	Y	8x8/2	
500-264438-B-4	A	Y	8x8/2	
500-264438-A-5	A	Y	8x8/2	
500-264438-B-5	A	Y	8x8/2	
500-264438-C-5	A	Y	8x8/2	
500-264438-D-5	A	Y	8x8/2	
500-264438-A-6	A	Y	8x8/2	
500-264438-B-6	A	Y	8x8/2	
500-264438-A-7	A	Y	8x8/2	
500-264438-B-7	A	Y	8x8/2	
500-264438-C-7	A	Y	8x8/2	
500-264438-D-7	A	Y	8x8/2	
500-264438-A-8	A	Y	8x8/2	
500-264438-B-8	A	Y	8x8/2	
500-264438-A-9	A	Y	8x8/2	
500-264438-B-9	A	Y	8x8/2	
500-264438-C-9	A	Y	8x8/2	
500-264438-D-9	A	Y	8x8/2	
500-264438-A-10	A	Y	8x8/2	
500-264438-B-10	A	Y	8x8/2	
500-264438-A-11	A	Y	8x8/2	
500-264438-B-11	A	Y	8x8/2	
500-264438-C-11	A	Y	8x8/2	
500-264438-D-11	A	Y	8x8/2	
500-264438-A-12	A	Y	8x8/2	

JS 2/27/25

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Date:	2/27/2025
End Time:	14:50
KI Paper Lot:	N/A
Analyst:	JS

Preservative ID	Preservative Type	Container ID
A	Bromine Monochloride (0.2N)	57151
ZZZZZZZZZZZZZZZ	ZZZZZZZZZZZZZZZZZZZZZZZ	ZZZZZZZZZZ
ZZZZZZZZZZZZZZZ	ZZZZZZZZZZZZZZZZZZZZZZZ	ZZZZZZZZZZ
ZZZZZZZZZZZZZZZ	ZZZZZZZZZZZZZZZZZZZZZZZ	ZZZZZZZZZZ

pipette: MP_MG84

(µL) 2/27/25 JS

Sample ID	Pres. Used (ID)	Oxidized (Y/N)?	Pres. Vol. (mL)/Percent (%)	Comments
500-264438-D-11				
~~500-264438-A-12~~				JS 2/27/25
500-264438-B-12	A	Y	8X8/2	
500-264438-A-13	A	Y	8X8/2	
500-264438-B-13	A	Y	8X8/2	
500-264438-C-13	A	Y	8X8/2	
500-264438-D-13	A	Y	8X8/2	
500-264438-A-14	A	Y	8X8/2	
500-264438-B-14	A	Y	8X8/2	
500-264438-A-15	A	Y	8X8/2	
500-264438-B-15	A	Y	8X8/2	
500-264438-C-15	A	Y	8X8/2	
500-264438-D-15	A	Y	8X8/2	
500-264438-A-16	A	Y	8X8/2	
500-264438-B-16	A	Y	8X8/2	

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Date:	2/27/2025
End Time:	1524
pH Paper Lot:	hc441704
Analyst:	

Preservative ID	Preservative Type	Container ID
A	Hydrochloric Acid	NA
ZZZZZZZZZZZZZZZ	ZZZZZZZZZZZZZZZZZZZZZZZ	ZZZZZZZZZZ
ZZZZZZZZZZZZZZZ	ZZZZZZZZZZZZZZZZZZZZZZZ	ZZZZZZZZZZ
ZZZZZZZZZZZZZZZ	ZZZZZZZZZZZZZZZZZZZZZZZ	ZZZZZZZZZZ

Sample ID	Initial pH	Final pH	Preservative ID	Preservative Added (mL)	Comments
500-264438-E-3	<2				
500-264438-E-15	<2				
500-264438-F-1	<2				
500-264438-E-5	<2				
500-264438-E-7	<2				
500-264438-E-13	<2				
500-264438-F-7	<2				
500-264438-F-13	<2				
500-264438-F-5	<2				
500-264438-F-9	<2				
500-264438-F-11	<2				
500-264438-F-15	<2				
500-264438-E-9	<2				
500-264438-E-11	<2				
500-264438-E-1	<2				
500-264438-F-3	<2				

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ANALYTICAL REPORT

PREPARED FOR

Attn: Amanda Zeidler
White Pine Copper LLC
35362 Mall Circle Drive
White Pine, Michigan 49971

Generated 3/20/2025 9:52:42 AM

JOB DESCRIPTION

White Pines, MI

JOB NUMBER

500-264513-1

Eurofins Chicago
18410 Crossing Drive
Suite E
Tinley Park IL 60487

See page two for job notes and contact information.

my EOL

Eurofins Chicago

Job Notes

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. This report is confidential and is intended for the sole use of Eurofins Environment Testing North Central, LLC and its client. All questions regarding this report should be directed to the Eurofins Environment Testing North Central, LLC Project Manager who has signed this report.

Results relate only to the items tested and the sample(s) as received by the laboratory. The results, detection limits (LOD) and Quantitation Limits (LOQ) have been adjusted for sample dilutions and/or solids content.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Chicago Project Manager.

Compliance Statement

The LOD and LOQ reported are adjusted by the dilution factor when a dilution factor greater than 1 is needed. Additionally, where results are indicated as being reported on a dry weight basis, the LOD and LOQ are adjusted for moisture content as well.

Definitions of Limits
- LOD = Limit of Detection = MDL as defined by 40 CFR part 136 Appendix B
- LOQ = Limit of Quantitation = 3.33 x LOD as defined by Wisconsin
- RL = Report Limit = a concentration supported by a standard in the calibration curves

Authorization



Generated
3/20/2025 9:52:42 AM

Authorized for release by
Sandie Fredrick, Senior Project Manager
Sandra.Fredrick@et.eurofinsus.com
(920)261-1660

Table of Contents

Cover Page 1
Table of Contents 3
Case Narrative 4
Detection Summary 5
Method Summary 16
Sample Summary 17
Client Sample Results 18
Definitions 54
QC Association 55
QC Sample Results 66
Chronicle 81
Certification Summary 91
Chain of Custody 92
Receipt Checklists 103
Field Data Sheets 105

Job ID: 500-264513-1 — Eurofins Chicago

Job Narrative
500-264513-1

Receipt
The samples were received on 2/27/2025 9:45 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 5 coolers at receipt time were 0.6º C, 2.2º C, 2.4º C, 2.5º C and 3.6º C.

Metals
Method 6020B: The method blank for preparation batch 500-808815 and analytical batch 500-810217 contained Boron above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

Method 1631E: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 350-5384 were outside control limits for one analyte. See QC Sample Results for detail. Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Field Service / Mobile Lab
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

General Chemistry
Methods 300.0, 9056A: The following sample(s) was analyzed outside of analytical holding time due to system outages. MW-2A_20250225 (500-264513-3), MLR-03_20250225 (500-264513-9), BNW-01_20250225 (500-264513-11), MW-10_20250225 (500-264513-13) and NTC-01_20250225 (500-264513-15)

Method 300.0: The following sample was received outside of holding time: PRC-02_20250225 (500-264513-1)

Method 300.0: The matrix spike (MS) and matrix spike duplicate (MSD) recoveries for analytical batch 500-807954 were outside control limits. Mis spike is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 300.0: The matrix spike duplicate (MSD) recoveries for analytical batch 500-807953 were outside control limits. Mis spike is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264513-1

Client Sample ID: PRC-02_20250225

Lab Sample ID: 500-264513-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl Mercury	0.025	J B	0.050	0.022	ng/L	1		1630	Total/NA
Methyl Mercury	0.022	J B	0.050	0.022	ng/L	1		1630	Dissolved
Mercury	1.6		0.50	0.20	ng/L	1		1631E	Total/NA
Mercury	1.0		0.50	0.20	ng/L	1		1631E	Dissolved
Uranium	0.78		0.050	0.0098	ug/L	1		1638	Total Recoverable
Uranium	0.74		0.050	0.0098	ug/L	1		1638	Dissolved
Aluminum	210		100	25	ug/L	1		6020B	Total Recoverable
Arsenic	0.51	J	1.0	0.23	ug/L	1		6020B	Total Recoverable
Barium	150		2.5	0.73	ug/L	1		6020B	Total Recoverable
Boron	160	B	50	13	ug/L	1		6020B	Total Recoverable
Calcium	83000		200	44	ug/L	1		6020B	Total Recoverable
Copper	29		2.0	0.50	ug/L	1		6020B	Total Recoverable
Iron	280		100	47	ug/L	1		6020B	Total Recoverable
Lithium	26		10	2.5	ug/L	1		6020B	Total Recoverable
Magnesium	12000		200	49	ug/L	1		6020B	Total Recoverable
Manganese	280		2.5	0.79	ug/L	1		6020B	Total Recoverable
Molybdenum	28		5.0	2.5	ug/L	1		6020B	Total Recoverable
Potassium	4400		500	110	ug/L	1		6020B	Total Recoverable
Sodium	37000		200	77	ug/L	1		6020B	Total Recoverable
Strontium	680		4.0	0.64	ug/L	1		6020B	Total Recoverable
Arsenic	0.45	J	1.0	0.23	ug/L	1		6020B	Dissolved
Barium	150		2.5	0.73	ug/L	1		6020B	Dissolved
Boron	160	B	50	13	ug/L	1		6020B	Dissolved
Calcium	81000		200	44	ug/L	1		6020B	Dissolved
Copper	23		2.0	0.50	ug/L	1		6020B	Dissolved
Iron	60	J	100	47	ug/L	1		6020B	Dissolved
Lithium	25		10	2.5	ug/L	1		6020B	Dissolved
Magnesium	12000		200	49	ug/L	1		6020B	Dissolved
Manganese	280		2.5	0.79	ug/L	1		6020B	Dissolved
Molybdenum	28		5.0	2.5	ug/L	1		6020B	Dissolved
Potassium	4300		500	110	ug/L	1		6020B	Dissolved
Sodium	37000		200	77	ug/L	1		6020B	Dissolved
Strontium	680		4.0	0.64	ug/L	1		6020B	Dissolved
Hardness as calcium carbonate	260		0.91	0.46	mg/L	1		SM 2340B	Total Recoverable
Bromide	1.0		1.0	0.45	mg/L	1		300.0	Total/NA
Chloride	120		1.0	0.42	mg/L	1		300.0	Total/NA
Sulfate	24		1.0	0.47	mg/L	1		300.0	Total/NA
Phosphorus as P	0.032	J	0.050	0.024	mg/L	1		365.1	Total/NA
Alkalinity	130		5.0	3.7	mg/L	1		SM 2320B	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Chicago

Client Sample ID: PRC-02_20250225 (Continued) — Lab Sample ID: 500-264513-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Bicarbonate Alkalinity as CaCO3	130		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	380		10	4.3	mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	3.4	J	5.0	1.9	mg/L	1		SM 2540D	Total/NA
Total Organic Carbon	5.4		1.0	0.47	mg/L	1		SM 5310C	Total/NA
Dissolved Organic Carbon	5.4		1.0	0.47	mg/L	1		SM 5310C	Dissolved

Client Sample ID: PRC-02_20250225_FBLL — Lab Sample ID: 500-264513-2

No Detections.

Client Sample ID: MW-2A_20250225 — Lab Sample ID: 500-264513-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	0.26	J	0.50	0.20	ng/L	1		1631E	Total/NA
Uranium	0.51		0.050	0.0098	ug/L	1		1638	Total Recoverable
Uranium	0.51		0.050	0.0098	ug/L	1		1638	Dissolved
Arsenic	0.99	J	1.0	0.23	ug/L	1		6020B	Total Recoverable
Barium	470		2.5	0.73	ug/L	1		6020B	Total Recoverable
Boron	340	B	50	13	ug/L	1		6020B	Total Recoverable
Calcium	180000		200	44	ug/L	1		6020B	Total Recoverable
Cobalt	0.78	J	1.0	0.40	ug/L	1		6020B	Total Recoverable
Copper	0.75	J	2.0	0.50	ug/L	1		6020B	Total Recoverable
Iron	1800		100	47	ug/L	1		6020B	Total Recoverable
Lithium	44		10	2.5	ug/L	1		6020B	Total Recoverable
Magnesium	48000		200	49	ug/L	1		6020B	Total Recoverable
Manganese	1500		2.5	0.79	ug/L	1		6020B	Total Recoverable
Nickel	1.0	J	2.0	0.63	ug/L	1		6020B	Total Recoverable
Potassium	1800		500	110	ug/L	1		6020B	Total Recoverable
Sodium	54000		200	77	ug/L	1		6020B	Total Recoverable
Strontium	2200		4.0	0.64	ug/L	1		6020B	Total Recoverable
Arsenic	0.49	J	1.0	0.23	ug/L	1		6020B	Dissolved
Barium	450		2.5	0.73	ug/L	1		6020B	Dissolved
Boron	370	B	50	13	ug/L	1		6020B	Dissolved
Calcium	180000		200	44	ug/L	1		6020B	Dissolved
Cobalt	0.78	J	1.0	0.40	ug/L	1		6020B	Dissolved
Iron	400		100	47	ug/L	1		6020B	Dissolved
Lithium	45		10	2.5	ug/L	1		6020B	Dissolved
Magnesium	48000		200	49	ug/L	1		6020B	Dissolved
Manganese	1500		2.5	0.79	ug/L	1		6020B	Dissolved
Nickel	0.92	J	2.0	0.63	ug/L	1		6020B	Dissolved
Potassium	1900		500	110	ug/L	1		6020B	Dissolved

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-2A_20250225 (Continued) — Lab Sample ID: 500-264513-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sodium	57000		200	77	ug/L	1		6020B	Dissolved
Strontium	2200		4.0	0.64	ug/L	1		6020B	Dissolved
Hardness as calcium carbonate	640		0.91	0.46	mg/L	1		SM 2340B	Total Recoverable
Nitrate as N	0.47	J H	1.0	0.37	mg/L	1		300.0	Total/NA
Chloride	0.51	J	1.0	0.42	mg/L	1		300.0	Total/NA
Nitrite as N	0.49	J H	1.0	0.25	mg/L	1		300.0	Total/NA
Fluoride	0.45	J	1.0	0.43	mg/L	1		300.0	Total/NA
Nitrate Nitrite as N	0.96	J H	1.0	0.37	mg/L	1		300.0	Total/NA
Sulfate	0.47	J	1.0	0.47	mg/L	1		300.0	Total/NA
Phosphorus as P	0.045	J	0.050	0.024	mg/L	1		365.1	Total/NA
Alkalinity	520		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	520		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Salinity	0.55		0.33	0.33	psu	1		SM 2520B	Total/NA
Total Dissolved Solids	730		10	4.3	mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	6.0		5.0	1.9	mg/L	1		SM 2540D	Total/NA
Total Organic Carbon	7.2		1.0	0.47	mg/L	1		SM 5310C	Total/NA
Dissolved Organic Carbon	7.2		1.0	0.47	mg/L	1		SM 5310C	Dissolved

Client Sample ID: MW-2A_20250225_FBLL — Lab Sample ID: 500-264513-4

No Detections.

Client Sample ID: DUP-01-GW-20250225 — Lab Sample ID: 500-264513-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl Mercury	0.35	B	0.050	0.022	ng/L	1		1630	Total/NA
Mercury	0.41	J	0.50	0.20	ng/L	1		1631E	Total/NA
Mercury	0.25	J	0.50	0.20	ng/L	1		1631E	Dissolved
Uranium	0.52		0.050	0.0098	ug/L	1		1638	Total Recoverable
Uranium	0.53		0.050	0.0098	ug/L	1		1638	Dissolved
Arsenic	1.1		1.0	0.23	ug/L	1		6020B	Total Recoverable
Barium	470		2.5	0.73	ug/L	1		6020B	Total Recoverable
Boron	350	B	50	13	ug/L	1		6020B	Total Recoverable
Calcium	180000		200	44	ug/L	1		6020B	Total Recoverable
Cobalt	0.80	J	1.0	0.40	ug/L	1		6020B	Total Recoverable
Iron	1800		100	47	ug/L	1		6020B	Total Recoverable
Lithium	43		10	2.5	ug/L	1		6020B	Total Recoverable
Magnesium	48000		200	49	ug/L	1		6020B	Total Recoverable
Manganese	1500		2.5	0.79	ug/L	1		6020B	Total Recoverable
Nickel	1.0	J	2.0	0.63	ug/L	1		6020B	Total Recoverable
Potassium	1900		500	110	ug/L	1		6020B	Total Recoverable
Sodium	55000		200	77	ug/L	1		6020B	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client Sample ID: DUP-01-GW-20250225 (Continued) — Lab Sample ID: 500-264513-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Strontium	2200		4.0	0.64	ug/L	1		6020B	Total Recoverable
Arsenic	0.48	J	1.0	0.23	ug/L	1		6020B	Dissolved
Barium	460		2.5	0.73	ug/L	1		6020B	Dissolved
Boron	370	B	50	13	ug/L	1		6020B	Dissolved
Calcium	180000		200	44	ug/L	1		6020B	Dissolved
Cobalt	0.80	J	1.0	0.40	ug/L	1		6020B	Dissolved
Iron	520		100	47	ug/L	1		6020B	Dissolved
Lithium	45		10	2.5	ug/L	1		6020B	Dissolved
Magnesium	49000		200	49	ug/L	1		6020B	Dissolved
Manganese	1500		2.5	0.79	ug/L	1		6020B	Dissolved
Nickel	0.93	J	2.0	0.63	ug/L	1		6020B	Dissolved
Potassium	1900		500	110	ug/L	1		6020B	Dissolved
Sodium	57000		200	77	ug/L	1		6020B	Dissolved
Strontium	2200		4.0	0.64	ug/L	1		6020B	Dissolved
Hardness as calcium carbonate	640		0.91	0.46	mg/L	1		SM 2340B	Total Recoverable
Bromide	0.84	J	1.0	0.45	mg/L	1		300.0	Total/NA
Chloride	110		1.0	0.42	mg/L	1		300.0	Total/NA
Sulfate	3.7		1.0	0.47	mg/L	1		300.0	Total/NA
Phosphorus as P	0.050		0.050	0.024	mg/L	1		365.1	Total/NA
Alkalinity	530		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	530		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Salinity	0.55		0.33	0.33	psu	1		SM 2520B	Total/NA
Total Dissolved Solids	730		10	4.3	mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	5.6		5.0	1.9	mg/L	1		SM 2540D	Total/NA
Total Organic Carbon	7.2		1.0	0.47	mg/L	1		SM 5310C	Total/NA
Dissolved Organic Carbon	7.2		1.0	0.47	mg/L	1		SM 5310C	Dissolved

Client Sample ID: DUP-01-GW-20250225_FBLL — Lab Sample ID: 500-264513-6

No Detections.

Client Sample ID: MW-2B-20250225 — Lab Sample ID: 500-264513-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	0.47	J	0.50	0.20	ng/L	1		1631E	Total/NA
Mercury	0.27	J	0.50	0.20	ng/L	1		1631E	Dissolved
Uranium	16		0.050	0.0098	ug/L	1		1638	Total Recoverable
Uranium	16		0.050	0.0098	ug/L	1		1638	Dissolved
Aluminum	140		100	25	ug/L	1		6020B	Total Recoverable
Arsenic	1.1		1.0	0.23	ug/L	1		6020B	Total Recoverable
Barium	680		2.5	0.73	ug/L	1		6020B	Total Recoverable
Boron	91	B	50	13	ug/L	1		6020B	Total Recoverable
Calcium	110000		200	44	ug/L	1		6020B	Total Recoverable
Copper	1.6	J	2.0	0.50	ug/L	1		6020B	Total Recoverable
Iron	230		100	47	ug/L	1		6020B	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-2B-20250225 (Continued) — Lab Sample ID: 500-264513-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lithium	26		10	2.5	ug/L	1		6020B	Total Recoverable
Magnesium	62000		200	49	ug/L	1		6020B	Total Recoverable
Manganese	110		2.5	0.79	ug/L	1		6020B	Total Recoverable
Nickel	0.81	J	2.0	0.63	ug/L	1		6020B	Total Recoverable
Potassium	2700		500	110	ug/L	1		6020B	Total Recoverable
Sodium	18000		200	77	ug/L	1		6020B	Total Recoverable
Strontium	1200		4.0	0.64	ug/L	1		6020B	Total Recoverable
Vanadium	3.7	J	5.0	2.2	ug/L	1		6020B	Total Recoverable
Arsenic	0.78	J	1.0	0.23	ug/L	1		6020B	Dissolved
Barium	660		2.5	0.73	ug/L	1		6020B	Dissolved
Boron	77	B	50	13	ug/L	1		6020B	Dissolved
Calcium	110000		200	44	ug/L	1		6020B	Dissolved
Copper	0.83	J	2.0	0.50	ug/L	1		6020B	Dissolved
Lithium	24		10	2.5	ug/L	1		6020B	Dissolved
Magnesium	62000		200	49	ug/L	1		6020B	Dissolved
Manganese	39		2.5	0.79	ug/L	1		6020B	Dissolved
Potassium	2600		500	110	ug/L	1		6020B	Dissolved
Sodium	18000		200	77	ug/L	1		6020B	Dissolved
Strontium	1200		4.0	0.64	ug/L	1		6020B	Dissolved
Vanadium	2.6	J	5.0	2.2	ug/L	1		6020B	Dissolved
Hardness as calcium carbonate	530		0.91	0.46	mg/L	1		SM 2340B	Total Recoverable
Bromide	0.86	J	1.0	0.45	mg/L	1		300.0	Total/NA
Nitrate as N	1.0		1.0	0.37	mg/L	1		300.0	Total/NA
Chloride	1.1		1.0	0.42	mg/L	1		300.0	Total/NA
Nitrite as N	1.0		1.0	0.25	mg/L	1		300.0	Total/NA
Fluoride	0.96	J	1.0	0.43	mg/L	1		300.0	Total/NA
Nitrate Nitrite as N	2.0		1.0	0.37	mg/L	1		300.0	Total/NA
Sulfate	1.0		1.0	0.47	mg/L	1		300.0	Total/NA
Phosphorus as P	0.028	J	0.050	0.024	mg/L	1		365.1	Total/NA
Alkalinity	440		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	440		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	520		10	4.3	mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	11		5.0	1.9	mg/L	1		SM 2540D	Total/NA
Total Organic Carbon	1.6		1.0	0.47	mg/L	1		SM 5310C	Total/NA
Dissolved Organic Carbon	1.7		1.0	0.47	mg/L	1		SM 5310C	Dissolved

Client Sample ID: MW-2B-20250225_FBLL — Lab Sample ID: 500-264513-8

No Detections.

Client Sample ID: MLR-03_20250225 — Lab Sample ID: 500-264513-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl Mercury	0.033	J B	0.050	0.022	ng/L	1		1630	Total/NA
Methyl Mercury	0.033	J B	0.050	0.022	ng/L	1		1630	Dissolved

This Detection Summary does not include radiochemical test results.

Client Sample ID: MLR-03_20250225 (Continued)

Lab Sample ID: 500-264513-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	2.0		0.50	0.20	ng/L	1		1631E	Total/NA
Mercury	1.5		0.50	0.20	ng/L	1		1631E	Dissolved
Uranium	0.34		0.050	0.0098	ug/L	1		1638	Total Recoverable
Uranium	0.32		0.050	0.0098	ug/L	1		1638	Dissolved
Aluminum	360		100	25	ug/L	1		6020B	Total Recoverable
Arsenic	0.44	J	1.0	0.23	ug/L	1		6020B	Total Recoverable
Barium	37		2.5	0.73	ug/L	1		6020B	Total Recoverable
Boron	29	J B	50	13	ug/L	1		6020B	Total Recoverable
Calcium	28000		200	44	ug/L	1		6020B	Total Recoverable
Copper	30		2.0	0.50	ug/L	1		6020B	Total Recoverable
Iron	1100		100	47	ug/L	1		6020B	Total Recoverable
Magnesium	6200		200	49	ug/L	1		6020B	Total Recoverable
Manganese	31		2.5	0.79	ug/L	1		6020B	Total Recoverable
Potassium	1200		500	110	ug/L	1		6020B	Total Recoverable
Sodium	11000		200	77	ug/L	1		6020B	Total Recoverable
Strontium	70		4.0	0.64	ug/L	1		6020B	Total Recoverable
Aluminum	27	J	100	25	ug/L	1		6020B	Dissolved
Arsenic	0.34	J	1.0	0.23	ug/L	1		6020B	Dissolved
Barium	33		2.5	0.73	ug/L	1		6020B	Dissolved
Boron	27	J B	50	13	ug/L	1		6020B	Dissolved
Calcium	27000		200	44	ug/L	1		6020B	Dissolved
Copper	23		2.0	0.50	ug/L	1		6020B	Dissolved
Iron	510		100	47	ug/L	1		6020B	Dissolved
Magnesium	6100		200	49	ug/L	1		6020B	Dissolved
Manganese	24		2.5	0.79	ug/L	1		6020B	Dissolved
Potassium	1100		500	110	ug/L	1		6020B	Dissolved
Sodium	10000		200	77	ug/L	1		6020B	Dissolved
Strontium	68		4.0	0.64	ug/L	1		6020B	Dissolved
Hardness as calcium carbonate	95		0.91	0.46	mg/L	1		SM 2340B	Total Recoverable
Chloride	17		1.0	0.42	mg/L	1		300.0	Total/NA
Sulfate	3.5		1.0	0.47	mg/L	1		300.0	Total/NA
Alkalinity	83		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	83		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	140		10	4.3	mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	3.0	J	5.0	1.9	mg/L	1		SM 2540D	Total/NA
Sulfide	1.3		1.0	0.23	mg/L	1		SM 4500 S2 F	Total/NA
Total Organic Carbon	7.0		1.0	0.47	mg/L	1		SM 5310C	Total/NA
Dissolved Organic Carbon	7.1		1.0	0.47	mg/L	1		SM 5310C	Dissolved

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264513-1

Client Sample ID: MLR-03_20250225_FBLL — Lab Sample ID: 500-264513-10

No Detections.

Client Sample ID: BNW-01_20250225 — Lab Sample ID: 500-264513-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl Mercury	0.044	J B	0.050	0.022	ng/L	1		1630	Total/NA
Methyl Mercury	0.028	J B	0.050	0.022	ng/L	1		1630	Dissolved
Mercury	2.0		0.50	0.20	ng/L	1		1631E	Total/NA
Mercury	1.7		0.50	0.20	ng/L	1		1631E	Dissolved
Uranium	0.061		0.050	0.0098	ug/L	1		1638	Total Recoverable
Uranium	0.061		0.050	0.0098	ug/L	1		1638	Dissolved
Barium	30		2.5	0.73	ug/L	1		6020B	Total Recoverable
Boron	18	J B	50	13	ug/L	1		6020B	Total Recoverable
Calcium	26000		200	44	ug/L	1		6020B	Total Recoverable
Copper	1.6	J	2.0	0.50	ug/L	1		6020B	Total Recoverable
Iron	240		100	47	ug/L	1		6020B	Total Recoverable
Magnesium	5300		200	49	ug/L	1		6020B	Total Recoverable
Manganese	330		2.5	0.79	ug/L	1		6020B	Total Recoverable
Potassium	320	J	500	110	ug/L	1		6020B	Total Recoverable
Sodium	910		200	77	ug/L	1		6020B	Total Recoverable
Strontium	57		4.0	0.64	ug/L	1		6020B	Total Recoverable
Barium	29		2.5	0.73	ug/L	1		6020B	Dissolved
Calcium	26000		200	44	ug/L	1		6020B	Dissolved
Copper	1.3	J	2.0	0.50	ug/L	1		6020B	Dissolved
Iron	110		100	47	ug/L	1		6020B	Dissolved
Magnesium	5400		200	49	ug/L	1		6020B	Dissolved
Manganese	320		2.5	0.79	ug/L	1		6020B	Dissolved
Potassium	280	J	500	110	ug/L	1		6020B	Dissolved
Sodium	910		200	77	ug/L	1		6020B	Dissolved
Strontium	57		4.0	0.64	ug/L	1		6020B	Dissolved
Hardness as calcium carbonate	87		0.91	0.46	mg/L	1		SM 2340B	Total Recoverable
Chloride	0.69	J	1.0	0.42	mg/L	1		300.0	Total/NA
Alkalinity	89		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	89		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	84		10	4.3	mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	3.2	J	5.0	1.9	mg/L	1		SM 2540D	Total/NA
Sulfide	0.24	J	1.0	0.23	mg/L	1		SM 4500 S2 F	Total/NA
Total Organic Carbon	4.1		1.0	0.47	mg/L	1		SM 5310C	Total/NA
Dissolved Organic Carbon	4.0		1.0	0.47	mg/L	1		SM 5310C	Dissolved

Client Sample ID: BNW-01_20250225_FBLL — Lab Sample ID: 500-264513-12

No Detections.

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264513-1

Client Sample ID: MW-10_20250225

Lab Sample ID: 500-264513-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl Mercury	0.035	J B	0.050	0.022	ng/L	1		1630	Total/NA
Methyl Mercury	0.023	J B	0.050	0.022	ng/L	1		1630	Dissolved
Mercury	2.7		0.50	0.20	ng/L	1		1631E	Total/NA
Mercury	1.0		0.50	0.20	ng/L	1		1631E	Dissolved
Uranium	7.3		0.050	0.0098	ug/L	1		1638	Total Recoverable
Uranium	7.3		0.050	0.0098	ug/L	1		1638	Dissolved
Aluminum	59	J	100	25	ug/L	1		6020B	Total Recoverable
Arsenic	0.38	J	1.0	0.23	ug/L	1		6020B	Total Recoverable
Barium	2500		2.5	0.73	ug/L	1		6020B	Total Recoverable
Boron	170	B	50	13	ug/L	1		6020B	Total Recoverable
Calcium	340000		200	44	ug/L	1		6020B	Total Recoverable
Cobalt	1.1		1.0	0.40	ug/L	1		6020B	Total Recoverable
Copper	1.8	J	2.0	0.50	ug/L	1		6020B	Total Recoverable
Iron	1300		100	47	ug/L	1		6020B	Total Recoverable
Lithium	49		10	2.5	ug/L	1		6020B	Total Recoverable
Magnesium	84000		200	49	ug/L	1		6020B	Total Recoverable
Manganese	5400		2.5	0.79	ug/L	1		6020B	Total Recoverable
Nickel	1.8	J	2.0	0.63	ug/L	1		6020B	Total Recoverable
Potassium	1900		500	110	ug/L	1		6020B	Total Recoverable
Sodium	48000		200	77	ug/L	1		6020B	Total Recoverable
Strontium	3000		4.0	0.64	ug/L	1		6020B	Total Recoverable
Vanadium	3.0	J	5.0	2.2	ug/L	1		6020B	Total Recoverable
Arsenic	0.26	J	1.0	0.23	ug/L	1		6020B	Dissolved
Barium	2600		2.5	0.73	ug/L	1		6020B	Dissolved
Boron	170	B	50	13	ug/L	1		6020B	Dissolved
Calcium	340000		200	44	ug/L	1		6020B	Dissolved
Cobalt	0.89	J	1.0	0.40	ug/L	1		6020B	Dissolved
Iron	950		100	47	ug/L	1		6020B	Dissolved
Lithium	49		10	2.5	ug/L	1		6020B	Dissolved
Magnesium	85000		200	49	ug/L	1		6020B	Dissolved
Manganese	5200		2.5	0.79	ug/L	1		6020B	Dissolved
Nickel	1.1	J	2.0	0.63	ug/L	1		6020B	Dissolved
Potassium	1800		500	110	ug/L	1		6020B	Dissolved
Sodium	48000		200	77	ug/L	1		6020B	Dissolved
Strontium	3000		4.0	0.64	ug/L	1		6020B	Dissolved
Vanadium	2.3	J	5.0	2.2	ug/L	1		6020B	Dissolved
Hardness as calcium carbonate	1200		0.91	0.46	mg/L	1		SM 2340B	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-10_20250225 (Continued) — Lab Sample ID: 500-264513-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Bromide	4.6		1.0	0.45	mg/L	1		300.0	Total/NA
Chloride	480		20	8.4	mg/L	20		300.0	Total/NA
Sulfate	9.8		1.0	0.47	mg/L	1		300.0	Total/NA
Alkalinity	510		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	510		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Salinity	1.4		0.33	0.33	psu	1		SM 2520B	Total/NA
Total Dissolved Solids	1300		10	4.3	mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	9.2		5.0	1.9	mg/L	1		SM 2540D	Total/NA
Total Organic Carbon	4.4		1.0	0.47	mg/L	1		SM 5310C	Total/NA
Dissolved Organic Carbon	4.4		1.0	0.47	mg/L	1		SM 5310C	Dissolved

Client Sample ID: MW-10_20250225_FBLL — Lab Sample ID: 500-264513-14

No Detections.

Client Sample ID: NTC-01_20250225 — Lab Sample ID: 500-264513-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl Mercury	0.22		0.050	0.022	ng/L	1		1630	Total/NA
Methyl Mercury	0.18		0.050	0.022	ng/L	1		1630	Dissolved
Mercury	1.4		0.50	0.20	ng/L	1		1631E	Total/NA
Mercury	0.93		0.50	0.20	ng/L	1		1631E	Dissolved
Uranium	0.10		0.050	0.0098	ug/L	1		1638	Total Recoverable
Uranium	0.081		0.050	0.0098	ug/L	1		1638	Dissolved
Aluminum	180		100	25	ug/L	1		6020B	Total Recoverable
Arsenic	0.39	J	1.0	0.23	ug/L	1		6020B	Total Recoverable
Barium	59		2.5	0.73	ug/L	1		6020B	Total Recoverable
Boron	61	B	50	13	ug/L	1		6020B	Total Recoverable
Calcium	28000		200	44	ug/L	1		6020B	Total Recoverable
Copper	5.6		2.0	0.50	ug/L	1		6020B	Total Recoverable
Iron	1900		100	47	ug/L	1		6020B	Total Recoverable
Lithium	2.5	J	10	2.5	ug/L	1		6020B	Total Recoverable
Magnesium	5700		200	49	ug/L	1		6020B	Total Recoverable
Manganese	530		2.5	0.79	ug/L	1		6020B	Total Recoverable
Potassium	1900		500	110	ug/L	1		6020B	Total Recoverable
Sodium	8000		200	77	ug/L	1		6020B	Total Recoverable
Strontium	190		4.0	0.64	ug/L	1		6020B	Total Recoverable
Arsenic	0.29	J	1.0	0.23	ug/L	1		6020B	Dissolved
Barium	54		2.5	0.73	ug/L	1		6020B	Dissolved
Boron	52	B	50	13	ug/L	1		6020B	Dissolved
Calcium	28000		200	44	ug/L	1		6020B	Dissolved
Copper	2.5		2.0	0.50	ug/L	1		6020B	Dissolved

This Detection Summary does not include radiochemical test results.

Client Sample ID: NTC-01_20250225 (Continued) — Lab Sample ID: 500-264513-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Iron	490		100	47	ug/L	1		6020B	Dissolved
Lithium	2.7	J	10	2.5	ug/L	1		6020B	Dissolved
Magnesium	5700		200	49	ug/L	1		6020B	Dissolved
Manganese	410		2.5	0.79	ug/L	1		6020B	Dissolved
Potassium	1900		500	110	ug/L	1		6020B	Dissolved
Sodium	8100		200	77	ug/L	1		6020B	Dissolved
Strontium	190		4.0	0.64	ug/L	1		6020B	Dissolved
Hardness as calcium carbonate	93		0.91	0.46	mg/L	1		SM 2340B	Total Recoverable
Chloride	18		1.0	0.42	mg/L	1		300.0	Total/NA
Nitrite as N	0.29	J H	1.0	0.25	mg/L	1		300.0	Total/NA
Sulfate	3.1		1.0	0.47	mg/L	1		300.0	Total/NA
Alkalinity	79		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	79		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	110		10	4.3	mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	5.4		5.0	1.9	mg/L	1		SM 2540D	Total/NA
Total Organic Carbon	6.8		1.0	0.47	mg/L	1		SM 5310C	Total/NA
Dissolved Organic Carbon	6.5		1.0	0.47	mg/L	1		SM 5310C	Dissolved

Client Sample ID: NTC-01_20250225_FBLL — Lab Sample ID: 500-264513-16

No Detections.

Client Sample ID: DUP-01-SW_20250225 — Lab Sample ID: 500-264513-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl Mercury	0.22		0.050	0.022	ng/L	1		1630	Total/NA
Methyl Mercury	0.18		0.050	0.022	ng/L	1		1630	Dissolved
Mercury	1.3		0.50	0.20	ng/L	1		1631E	Total/NA
Mercury	1.0		0.50	0.20	ng/L	1		1631E	Dissolved
Uranium	0.084		0.050	0.0098	ug/L	1		1638	Total Recoverable
Uranium	0.080		0.050	0.0098	ug/L	1		1638	Dissolved
Aluminum	350		100	25	ug/L	1		6020B	Total Recoverable
Arsenic	0.51	J	1.0	0.23	ug/L	1		6020B	Total Recoverable
Barium	68		2.5	0.73	ug/L	1		6020B	Total Recoverable
Boron	60	B	50	13	ug/L	1		6020B	Total Recoverable
Calcium	28000		200	44	ug/L	1		6020B	Total Recoverable
Cobalt	0.49	J	1.0	0.40	ug/L	1		6020B	Total Recoverable
Copper	7.8		2.0	0.50	ug/L	1		6020B	Total Recoverable
Iron	2400		100	47	ug/L	1		6020B	Total Recoverable
Lead	0.23	J	0.50	0.19	ug/L	1		6020B	Total Recoverable
Lithium	3.0	J	10	2.5	ug/L	1		6020B	Total Recoverable
Magnesium	5700		200	49	ug/L	1		6020B	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client Sample ID: DUP-01-SW_20250225 (Continued) — Lab Sample ID: 500-264513-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Manganese	780		2.5	0.79	ug/L	1		6020B	Total Recoverable
Potassium	1900		500	110	ug/L	1		6020B	Total Recoverable
Sodium	8000		200	77	ug/L	1		6020B	Total Recoverable
Strontium	190		4.0	0.64	ug/L	1		6020B	Total Recoverable
Vanadium	2.2	J	5.0	2.2	ug/L	1		6020B	Total Recoverable
Arsenic	0.29	J	1.0	0.23	ug/L	1		6020B	Dissolved
Barium	54		2.5	0.73	ug/L	1		6020B	Dissolved
Boron	55	B	50	13	ug/L	1		6020B	Dissolved
Calcium	28000		200	44	ug/L	1		6020B	Dissolved
Copper	3.3		2.0	0.50	ug/L	1		6020B	Dissolved
Iron	850		100	47	ug/L	1		6020B	Dissolved
Lithium	2.6	J	10	2.5	ug/L	1		6020B	Dissolved
Magnesium	5500		200	49	ug/L	1		6020B	Dissolved
Manganese	400		2.5	0.79	ug/L	1		6020B	Dissolved
Potassium	1800		500	110	ug/L	1		6020B	Dissolved
Sodium	8000		200	77	ug/L	1		6020B	Dissolved
Strontium	180		4.0	0.64	ug/L	1		6020B	Dissolved
Hardness as calcium carbonate	93		0.91	0.46	mg/L	1		SM 2340B	Total Recoverable
Chloride	17		1.0	0.42	mg/L	1		300.0	Total/NA
Sulfate	2.7		1.0	0.47	mg/L	1		300.0	Total/NA
Alkalinity	80		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	80		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	140		10	4.3	mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	9.6		5.0	1.9	mg/L	1		SM 2540D	Total/NA
Total Organic Carbon	6.7		1.0	0.47	mg/L	1		SM 5310C	Total/NA
Dissolved Organic Carbon	6.4		1.0	0.47	mg/L	1		SM 5310C	Dissolved

Client Sample ID: DUP-01-SW_20250225_FBLL — Lab Sample ID: 500-264513-18

No Detections.

This Detection Summary does not include radiochemical test results.

Method Summary

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264513-1

Method	Method Description	Protocol	Laboratory
1630	Methyl Mercury	EPA	EET SSM
1631E	Mercury, Low Level (CVAFS)	EPA	EET SSM
1638	Metals (ICP/MS)	EPA	EET SSM
6020B	Metals (ICP/MS)	SW846	EET CHI
SM 2340B	Total Hardness (as CaCO3) by calculation	SM	EET CHI
300.0	Anions, Ion Chromatography	EPA	EET CHI
335.4	Cyanide, Total	EPA	EET CHI
350.1	Nitrogen, Ammonia	EPA	EET CHI
365.1	Phosphorus, Total	EPA	EET CHI
SM 2320B	Alkalinity	SM	EET CHI
SM 2520B	Salinity	SM	EET CHI
SM 2540C	Solids, Total Dissolved (TDS)	SM	EET CHI
SM 2540D	Solids, Total Suspended (TSS)	SM	EET CHI
SM 4500 S2 F	Sulfide, Total	SM	EET CHI
SM 5310C	Organic Carbon, Dissolved (DOC)	SM	EET CHI
SM 5310C	TOC	SM	EET CHI
1630	Distillation, Methyl Mercury	EPA	EET SSM
1638	Preparation, Total Recoverable Metals	EPA	EET SSM
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET CHI
365.2/365.3/365	Phosphorus, Total	EPA	EET CHI
Distill/Ammonia	Distillation, Ammonia	None	EET CHI
Distill/CN	Distillation, Cyanide	None	EET CHI

Protocol References:

EPA = US Environmental Protection Agency

None = None

SM = "Standard Methods For The Examination Of Water And Wastewater"

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET CHI = Eurofins Chicago, 18410 Crossing Drive, Suite E, Tinley Park, IL 60487, TEL (708)534-5200

EET SSM = Eurofins Seattle Specialty Metals, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

Sample Summary

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264513-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-264513-1	PRC-02_20250225	Water	02/25/25 09:45	02/27/25 09:45
500-264513-2	PRC-02_20250225_FBLL	Water	02/25/25 09:45	02/27/25 09:45
500-264513-3	MW-2A_20250225	Water	02/25/25 11:00	02/27/25 09:45
500-264513-4	MW-2A_20250225_FBLL	Water	02/25/25 11:00	02/27/25 09:45
500-264513-5	DUP-01-GW-20250225	Water	02/25/25 23:59	02/27/25 09:45
500-264513-6	DUP-01-GW-20250225_FBLL	Water	02/25/25 23:59	02/27/25 09:45
500-264513-7	MW-2B-20250225	Water	02/25/25 13:15	02/27/25 09:45
500-264513-8	MW-2B-20250225_FBLL	Water	02/25/25 13:15	02/27/25 09:45
500-264513-9	MLR-03_20250225	Water	02/25/25 13:45	02/27/25 09:45
500-264513-10	MLR-03_20250225_FBLL	Water	02/25/25 13:45	02/27/25 09:45
500-264513-11	BNW-01_20250225	Water	02/25/25 15:00	02/27/25 09:45
500-264513-12	BNW-01_20250225_FBLL	Water	02/25/25 15:00	02/27/25 09:45
500-264513-13	MW-10_20250225	Water	02/25/25 17:15	02/27/25 09:45
500-264513-14	MW-10_20250225_FBLL	Water	02/25/25 17:15	02/27/25 09:45
500-264513-15	NTC-01_20250225	Water	02/25/25 16:00	02/27/25 09:45
500-264513-16	NTC-01_20250225_FBLL	Water	02/25/25 16:00	02/27/25 09:45
500-264513-17	DUP-01-SW_20250225	Water	02/25/25 23:59	02/27/25 09:45
500-264513-18	DUP-01-SW_20250225_FBLL	Water	02/25/25 23:59	02/27/25 09:45

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264513-1

Client Sample ID: PRC-02_20250225

Date Collected: 02/25/25 09:45
Date Received: 02/27/25 09:45

Lab Sample ID: 500-264513-1

Matrix: Water

Method: EPA 1630 - Methyl Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	**0.025**	**J B**	0.050	0.022	ng/L		03/13/25 11:08	03/13/25 22:57	1

Method: EPA 1630 - Methyl Mercury - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	**0.022**	**J B**	0.050	0.022	ng/L		03/13/25 11:08	03/13/25 23:08	1

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**1.6**		0.50	0.20	ng/L			03/04/25 16:51	1

Method: EPA 1631E - Mercury, Low Level (CVAFS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**1.0**		0.50	0.20	ng/L			03/04/25 16:55	1

Method: EPA 1638 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.78**		0.050	0.0098	ug/L		03/14/25 11:45	03/15/25 01:08	1

Method: EPA 1638 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.74**		0.050	0.0098	ug/L		03/14/25 11:45	03/14/25 23:09	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**210**		100	25	ug/L		03/06/25 08:12	03/13/25 16:58	1
Antimony	<1.3		3.0	1.3	ug/L		03/06/25 08:12	03/13/25 16:58	1
Arsenic	**0.51**	**J**	1.0	0.23	ug/L		03/06/25 08:12	03/13/25 16:58	1
Barium	**150**		2.5	0.73	ug/L		03/06/25 08:12	03/13/25 16:58	1
Beryllium	<0.53		1.0	0.53	ug/L		03/06/25 08:12	03/13/25 16:58	1
Boron	**160**	**B**	50	13	ug/L		03/06/25 08:12	03/17/25 14:21	1
Cadmium	<0.17		0.50	0.17	ug/L		03/06/25 08:12	03/13/25 16:58	1
Calcium	**83000**		200	44	ug/L		03/06/25 08:12	03/17/25 14:21	1
Chromium	<1.1		5.0	1.1	ug/L		03/06/25 08:12	03/13/25 16:58	1
Cobalt	<0.40		1.0	0.40	ug/L		03/06/25 08:12	03/13/25 16:58	1
Copper	**29**		2.0	0.50	ug/L		03/06/25 08:12	03/13/25 16:58	1
Iron	**280**		100	47	ug/L		03/06/25 08:12	03/13/25 16:58	1
Lead	<0.19		0.50	0.19	ug/L		03/06/25 08:12	03/13/25 16:58	1
Lithium	**26**		10	2.5	ug/L		03/06/25 08:12	03/13/25 16:58	1
Magnesium	**12000**		200	49	ug/L		03/06/25 08:12	03/13/25 16:58	1
Manganese	**280**		2.5	0.79	ug/L		03/06/25 08:12	03/13/25 16:58	1
Molybdenum	**28**		5.0	2.5	ug/L		03/06/25 08:12	03/13/25 16:58	1
Nickel	<0.63		2.0	0.63	ug/L		03/06/25 08:12	03/13/25 16:58	1
Potassium	**4400**		500	110	ug/L		03/06/25 08:12	03/13/25 16:58	1
Selenium	<0.98		2.5	0.98	ug/L		03/06/25 08:12	03/13/25 16:58	1
Silver	<0.12		0.50	0.12	ug/L		03/06/25 08:12	03/13/25 16:58	1
Sodium	**37000**		200	77	ug/L		03/06/25 08:12	03/17/25 14:21	1
Strontium	**680**		4.0	0.64	ug/L		03/06/25 08:12	03/13/25 16:58	1
Thallium	<0.57		2.0	0.57	ug/L		03/06/25 08:12	03/13/25 16:58	1
Tin	<1.3		5.0	1.3	ug/L		03/06/25 08:12	03/13/25 16:58	1
Vanadium	<2.2		5.0	2.2	ug/L		03/06/25 08:12	03/13/25 16:58	1
Zinc	<6.9		20	6.9	ug/L		03/06/25 08:12	03/13/25 16:58	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264513-1

Client Sample ID: PRC-02_20250225

Date Collected: 02/25/25 09:45
Date Received: 02/27/25 09:45

Lab Sample ID: 500-264513-1

Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<25		100	25	ug/L		03/06/25 08:12	03/13/25 17:27	1
Antimony	<1.3		3.0	1.3	ug/L		03/06/25 08:12	03/13/25 17:27	1
Arsenic	**0.45**	**J**	1.0	0.23	ug/L		03/06/25 08:12	03/13/25 17:27	1
Barium	**150**		2.5	0.73	ug/L		03/06/25 08:12	03/13/25 17:27	1
Beryllium	<0.53		1.0	0.53	ug/L		03/06/25 08:12	03/13/25 17:27	1
Boron	**160**	**B**	50	13	ug/L		03/06/25 08:12	03/13/25 17:27	1
Cadmium	<0.17		0.50	0.17	ug/L		03/06/25 08:12	03/13/25 17:27	1
Calcium	**81000**		200	44	ug/L		03/06/25 08:12	03/17/25 14:44	1
Chromium	<1.1		5.0	1.1	ug/L		03/06/25 08:12	03/13/25 17:27	1
Cobalt	<0.40		1.0	0.40	ug/L		03/06/25 08:12	03/13/25 17:27	1
Copper	**23**		2.0	0.50	ug/L		03/06/25 08:12	03/13/25 17:27	1
Iron	**60**	**J**	100	47	ug/L		03/06/25 08:12	03/13/25 17:27	1
Lead	<0.19		0.50	0.19	ug/L		03/06/25 08:12	03/13/25 17:27	1
Lithium	**25**		10	2.5	ug/L		03/06/25 08:12	03/13/25 17:27	1
Magnesium	**12000**		200	49	ug/L		03/06/25 08:12	03/13/25 17:27	1
Manganese	**280**		2.5	0.79	ug/L		03/06/25 08:12	03/13/25 17:27	1
Molybdenum	**28**		5.0	2.5	ug/L		03/06/25 08:12	03/13/25 17:27	1
Nickel	<0.63		2.0	0.63	ug/L		03/06/25 08:12	03/13/25 17:27	1
Potassium	**4300**		500	110	ug/L		03/06/25 08:12	03/13/25 17:27	1
Selenium	<0.98		2.5	0.98	ug/L		03/06/25 08:12	03/13/25 17:27	1
Silver	<0.12		0.50	0.12	ug/L		03/06/25 08:12	03/13/25 17:27	1
Sodium	**37000**		200	77	ug/L		03/06/25 08:12	03/17/25 14:44	1
Strontium	**680**		4.0	0.64	ug/L		03/06/25 08:12	03/13/25 17:27	1
Thallium	<0.57		2.0	0.57	ug/L		03/06/25 08:12	03/13/25 17:27	1
Tin	<1.3		5.0	1.3	ug/L		03/06/25 08:12	03/13/25 17:27	1
Vanadium	<2.2		5.0	2.2	ug/L		03/06/25 08:12	03/13/25 17:27	1
Zinc	<6.9		20	6.9	ug/L		03/06/25 08:12	03/13/25 17:27	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**260**		0.91	0.46	mg/L		03/06/25 08:12	03/14/25 08:54	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	**1.0**		1.0	0.45	mg/L			03/01/25 09:34	1
Nitrate as N (EPA 300.0)	<0.37	H3	1.0	0.37	mg/L			03/01/25 09:34	1
Chloride (EPA 300.0)	**120**		1.0	0.42	mg/L			03/01/25 09:34	1
Nitrite as N (EPA 300.0)	<0.25	H3	1.0	0.25	mg/L			03/01/25 09:34	1
Fluoride (EPA 300.0)	<0.43		1.0	0.43	mg/L			03/01/25 09:34	1
Nitrate Nitrite as N (EPA 300.0)	<0.37	H3	1.0	0.37	mg/L			03/01/25 09:34	1
Sulfate (EPA 300.0)	**24**		1.0	0.47	mg/L			03/01/25 09:34	1
Cyanide, Total (EPA 335.4)	<0.0036		0.0050	0.0036	mg/L		03/03/25 12:00	03/03/25 16:12	1
Ammonia (EPA 350.1)	<0.10		0.20	0.10	mg/L		03/12/25 14:13	03/13/25 17:31	1
Phosphorus as P (EPA 365.1)	**0.032**	**J**	0.050	0.024	mg/L		03/05/25 07:50	03/06/25 14:15	1
Alkalinity (SM 2320B)	**130**		5.0	3.7	mg/L			03/05/25 10:52	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**130**		5.0	3.7	mg/L			03/05/25 10:52	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<3.7		5.0	3.7	mg/L			03/05/25 10:52	1
Salinity (SM 2520B)	<0.33		0.33	0.33	psu			03/17/25 07:38	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264513-1

Client Sample ID: PRC-02_20250225
Date Collected: 02/25/25 09:45
Date Received: 02/27/25 09:45

Lab Sample ID: 500-264513-1
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	380		10	4.3	mg/L			03/03/25 12:19	1
Total Suspended Solids (SM 2540D)	3.4	J	5.0	1.9	mg/L			02/27/25 12:18	1
Sulfide (SM 4500 S2 F)	<0.23		1.0	0.23	mg/L			03/03/25 12:00	1
Total Organic Carbon (SM 5310C)	5.4		1.0	0.47	mg/L			03/10/25 13:55	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon (SM 5310C)	5.4		1.0	0.47	mg/L			03/11/25 12:29	1

Client Sample Results

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264513-1

Client Sample ID: PRC-02_20250225_FBLL

Date Collected: 02/25/25 09:45
Date Received: 02/27/25 09:45

Lab Sample ID: 500-264513-2

Matrix: Water

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			03/04/25 16:59	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264513-1

Client Sample ID: MW-2A_20250225

Date Collected: 02/25/25 11:00
Date Received: 02/27/25 09:45

Lab Sample ID: 500-264513-3

Matrix: Water

Method: EPA 1630 - Methyl Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		03/13/25 11:08	03/13/25 23:18	1

Method: EPA 1630 - Methyl Mercury - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		03/13/25 11:08	03/13/25 23:28	1

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.26**	**J**	0.50	0.20	ng/L			03/04/25 17:03	1

Method: EPA 1631E - Mercury, Low Level (CVAFS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			03/04/25 17:08	1

Method: EPA 1638 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.51**		0.050	0.0098	ug/L		03/14/25 11:45	03/15/25 01:12	1

Method: EPA 1638 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.51**		0.050	0.0098	ug/L		03/14/25 11:45	03/14/25 23:13	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<25		100	25	ug/L		03/06/25 08:12	03/13/25 17:00	1
Antimony	<1.3		3.0	1.3	ug/L		03/06/25 08:12	03/13/25 17:00	1
Arsenic	**0.99**	**J**	1.0	0.23	ug/L		03/06/25 08:12	03/13/25 17:00	1
Barium	**470**		2.5	0.73	ug/L		03/06/25 08:12	03/13/25 17:00	1
Beryllium	<0.53		1.0	0.53	ug/L		03/06/25 08:12	03/13/25 17:00	1
Boron	**340**	**B**	50	13	ug/L		03/06/25 08:12	03/17/25 14:25	1
Cadmium	<0.17		0.50	0.17	ug/L		03/06/25 08:12	03/13/25 17:00	1
Calcium	**180000**		200	44	ug/L		03/06/25 08:12	03/17/25 14:25	1
Chromium	<1.1		5.0	1.1	ug/L		03/06/25 08:12	03/13/25 17:00	1
Cobalt	**0.78**	**J**	1.0	0.40	ug/L		03/06/25 08:12	03/13/25 17:00	1
Copper	**0.75**	**J**	2.0	0.50	ug/L		03/06/25 08:12	03/13/25 17:00	1
Iron	**1800**		100	47	ug/L		03/06/25 08:12	03/13/25 17:00	1
Lead	<0.19		0.50	0.19	ug/L		03/06/25 08:12	03/13/25 17:00	1
Lithium	**44**		10	2.5	ug/L		03/06/25 08:12	03/13/25 17:00	1
Magnesium	**48000**		200	49	ug/L		03/06/25 08:12	03/13/25 17:00	1
Manganese	**1500**		2.5	0.79	ug/L		03/06/25 08:12	03/13/25 17:00	1
Molybdenum	<2.5		5.0	2.5	ug/L		03/06/25 08:12	03/13/25 17:00	1
Nickel	**1.0**	**J**	2.0	0.63	ug/L		03/06/25 08:12	03/13/25 17:00	1
Potassium	**1800**		500	110	ug/L		03/06/25 08:12	03/13/25 17:00	1
Selenium	<0.98		2.5	0.98	ug/L		03/06/25 08:12	03/13/25 17:00	1
Silver	<0.12		0.50	0.12	ug/L		03/06/25 08:12	03/13/25 17:00	1
Sodium	**54000**		200	77	ug/L		03/06/25 08:12	03/17/25 14:25	1
Strontium	**2200**		4.0	0.64	ug/L		03/06/25 08:12	03/13/25 17:00	1
Thallium	<0.57		2.0	0.57	ug/L		03/06/25 08:12	03/13/25 17:00	1
Tin	<1.3		5.0	1.3	ug/L		03/06/25 08:12	03/13/25 17:00	1
Vanadium	<2.2		5.0	2.2	ug/L		03/06/25 08:12	03/13/25 17:00	1
Zinc	<6.9		20	6.9	ug/L		03/06/25 08:12	03/13/25 17:00	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264513-1

Client Sample ID: MW-2A_20250225

Date Collected: 02/25/25 11:00
Date Received: 02/27/25 09:45

Lab Sample ID: 500-264513-3
Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<25		100	25	ug/L		03/06/25 08:12	03/13/25 17:30	1
Antimony	<1.3		3.0	1.3	ug/L		03/06/25 08:12	03/13/25 17:30	1
Arsenic	**0.49**	**J**	1.0	0.23	ug/L		03/06/25 08:12	03/13/25 17:30	1
Barium	**450**		2.5	0.73	ug/L		03/06/25 08:12	03/13/25 17:30	1
Beryllium	<0.53		1.0	0.53	ug/L		03/06/25 08:12	03/13/25 17:30	1
Boron	**370**	**B**	50	13	ug/L		03/06/25 08:12	03/13/25 17:30	1
Cadmium	<0.17		0.50	0.17	ug/L		03/06/25 08:12	03/13/25 17:30	1
Calcium	**180000**		200	44	ug/L		03/06/25 08:12	03/17/25 14:52	1
Chromium	<1.1		5.0	1.1	ug/L		03/06/25 08:12	03/13/25 17:30	1
Cobalt	**0.78**	**J**	1.0	0.40	ug/L		03/06/25 08:12	03/13/25 17:30	1
Copper	<0.50		2.0	0.50	ug/L		03/06/25 08:12	03/13/25 17:30	1
Iron	**400**		100	47	ug/L		03/06/25 08:12	03/13/25 17:30	1
Lead	<0.19		0.50	0.19	ug/L		03/06/25 08:12	03/13/25 17:30	1
Lithium	**45**		10	2.5	ug/L		03/06/25 08:12	03/13/25 17:30	1
Magnesium	**48000**		200	49	ug/L		03/06/25 08:12	03/13/25 17:30	1
Manganese	**1500**		2.5	0.79	ug/L		03/06/25 08:12	03/13/25 17:30	1
Molybdenum	<2.5		5.0	2.5	ug/L		03/06/25 08:12	03/13/25 17:30	1
Nickel	**0.92**	**J**	2.0	0.63	ug/L		03/06/25 08:12	03/13/25 17:30	1
Potassium	**1900**		500	110	ug/L		03/06/25 08:12	03/13/25 17:30	1
Selenium	<0.98		2.5	0.98	ug/L		03/06/25 08:12	03/13/25 17:30	1
Silver	<0.12		0.50	0.12	ug/L		03/06/25 08:12	03/13/25 17:30	1
Sodium	**57000**		200	77	ug/L		03/06/25 08:12	03/17/25 14:52	1
Strontium	**2200**		4.0	0.64	ug/L		03/06/25 08:12	03/13/25 17:30	1
Thallium	<0.57		2.0	0.57	ug/L		03/06/25 08:12	03/13/25 17:30	1
Tin	<1.3		5.0	1.3	ug/L		03/06/25 08:12	03/13/25 17:30	1
Vanadium	<2.2		5.0	2.2	ug/L		03/06/25 08:12	03/13/25 17:30	1
Zinc	<6.9		20	6.9	ug/L		03/06/25 08:12	03/13/25 17:30	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**640**		0.91	0.46	mg/L		03/06/25 08:12	03/14/25 08:54	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	<0.45		1.0	0.45	mg/L			02/27/25 12:26	1
Nitrate as N (EPA 300.0)	**0.47**	**J H**	1.0	0.37	mg/L			02/27/25 12:26	1
Chloride (EPA 300.0)	**0.51**	**J**	1.0	0.42	mg/L			02/27/25 12:26	1
Nitrite as N (EPA 300.0)	**0.49**	**J H**	1.0	0.25	mg/L			02/27/25 12:26	1
Fluoride (EPA 300.0)	**0.45**	**J**	1.0	0.43	mg/L			02/27/25 12:26	1
Nitrate Nitrite as N (EPA 300.0)	**0.96**	**J H**	1.0	0.37	mg/L			02/27/25 12:26	1
Sulfate (EPA 300.0)	**0.47**	**J**	1.0	0.47	mg/L			02/27/25 12:26	1
Cyanide, Total (EPA 335.4)	<0.0036		0.0050	0.0036	mg/L		03/03/25 12:00	03/03/25 16:12	1
Ammonia (EPA 350.1)	<0.10		0.20	0.10	mg/L		03/12/25 14:13	03/13/25 17:32	1
Phosphorus as P (EPA 365.1)	**0.045**	**J**	0.050	0.024	mg/L		03/05/25 07:50	03/06/25 14:16	1
Alkalinity (SM 2320B)	**520**		5.0	3.7	mg/L			03/05/25 11:01	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**520**		5.0	3.7	mg/L			03/05/25 11:01	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<3.7		5.0	3.7	mg/L			03/05/25 11:01	1
Salinity (SM 2520B)	**0.55**		0.33	0.33	psu			03/17/25 07:38	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264513-1

Client Sample ID: MW-2A_20250225
Date Collected: 02/25/25 11:00
Date Received: 02/27/25 09:45

Lab Sample ID: 500-264513-3
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	730		10	4.3	mg/L			03/03/25 12:20	1
Total Suspended Solids (SM 2540D)	6.0		5.0	1.9	mg/L			02/27/25 12:21	1
Sulfide (SM 4500 S2 F)	<0.58		2.5	0.58	mg/L			03/03/25 11:22	1
Total Organic Carbon (SM 5310C)	7.2		1.0	0.47	mg/L			03/10/25 14:27	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon (SM 5310C)	7.2		1.0	0.47	mg/L			03/11/25 12:29	1

Client Sample Results

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264513-1

Client Sample ID: MW-2A_20250225_FBLL

Lab Sample ID: 500-264513-4

Date Collected: 02/25/25 11:00
Matrix: Water
Date Received: 02/27/25 09:45

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			03/06/25 18:14	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264513-1

Client Sample ID: DUP-01-GW-20250225

Date Collected: 02/25/25 23:59
Date Received: 02/27/25 09:45

Lab Sample ID: 500-264513-5

Matrix: Water

Method: EPA 1630 - Methyl Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	**0.35**	**B**	0.050	0.022	ng/L		03/13/25 11:08	03/13/25 23:59	1

Method: EPA 1630 - Methyl Mercury - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		03/13/25 11:08	03/14/25 00:09	1

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.41**	**J**	0.50	0.20	ng/L			03/06/25 18:18	1

Method: EPA 1631E - Mercury, Low Level (CVAFS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.25**	**J**	0.50	0.20	ng/L			03/06/25 18:23	1

Method: EPA 1638 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.52**		0.050	0.0098	ug/L		03/14/25 11:45	03/15/25 01:15	1

Method: EPA 1638 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.53**		0.050	0.0098	ug/L		03/14/25 11:45	03/14/25 23:16	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<25		100	25	ug/L		03/06/25 08:12	03/13/25 17:07	1
Antimony	<1.3		3.0	1.3	ug/L		03/06/25 08:12	03/13/25 17:07	1
Arsenic	**1.1**		1.0	0.23	ug/L		03/06/25 08:12	03/13/25 17:07	1
Barium	**470**		2.5	0.73	ug/L		03/06/25 08:12	03/13/25 17:07	1
Beryllium	<0.53		1.0	0.53	ug/L		03/06/25 08:12	03/13/25 17:07	1
Boron	**350**	**B**	50	13	ug/L		03/06/25 08:12	03/13/25 17:07	1
Cadmium	<0.17		0.50	0.17	ug/L		03/06/25 08:12	03/13/25 17:07	1
Calcium	**180000**		200	44	ug/L		03/06/25 08:12	03/17/25 14:27	1
Chromium	<1.1		5.0	1.1	ug/L		03/06/25 08:12	03/13/25 17:07	1
Cobalt	**0.80**	**J**	1.0	0.40	ug/L		03/06/25 08:12	03/13/25 17:07	1
Copper	<0.50		2.0	0.50	ug/L		03/06/25 08:12	03/13/25 17:07	1
Iron	**1800**		100	47	ug/L		03/06/25 08:12	03/13/25 17:07	1
Lead	<0.19		0.50	0.19	ug/L		03/06/25 08:12	03/13/25 17:07	1
Lithium	**43**		10	2.5	ug/L		03/06/25 08:12	03/13/25 17:07	1
Magnesium	**48000**		200	49	ug/L		03/06/25 08:12	03/13/25 17:07	1
Manganese	**1500**		2.5	0.79	ug/L		03/06/25 08:12	03/13/25 17:07	1
Molybdenum	<2.5		5.0	2.5	ug/L		03/06/25 08:12	03/13/25 17:07	1
Nickel	**1.0**	**J**	2.0	0.63	ug/L		03/06/25 08:12	03/13/25 17:07	1
Potassium	**1900**		500	110	ug/L		03/06/25 08:12	03/13/25 17:07	1
Selenium	<0.98		2.5	0.98	ug/L		03/06/25 08:12	03/13/25 17:07	1
Silver	<0.12		0.50	0.12	ug/L		03/06/25 08:12	03/13/25 17:07	1
Sodium	**55000**		200	77	ug/L		03/06/25 08:12	03/17/25 14:27	1
Strontium	**2200**		4.0	0.64	ug/L		03/06/25 08:12	03/13/25 17:07	1
Thallium	<0.57		2.0	0.57	ug/L		03/06/25 08:12	03/13/25 17:07	1
Tin	<1.3		5.0	1.3	ug/L		03/06/25 08:12	03/13/25 17:07	1
Vanadium	<2.2		5.0	2.2	ug/L		03/06/25 08:12	03/13/25 17:07	1
Zinc	<6.9		20	6.9	ug/L		03/06/25 08:12	03/13/25 17:07	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264513-1

Client Sample ID: DUP-01-GW-20250225

Lab Sample ID: 500-264513-5

Date Collected: 02/25/25 23:59

Matrix: Water

Date Received: 02/27/25 09:45

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<25		100	25	ug/L		03/06/25 08:12	03/13/25 17:32	1
Antimony	<1.3		3.0	1.3	ug/L		03/06/25 08:12	03/13/25 17:32	1
Arsenic	**0.48**	**J**	1.0	0.23	ug/L		03/06/25 08:12	03/13/25 17:32	1
Barium	**460**		2.5	0.73	ug/L		03/06/25 08:12	03/13/25 17:32	1
Beryllium	<0.53		1.0	0.53	ug/L		03/06/25 08:12	03/13/25 17:32	1
Boron	**370**	**B**	50	13	ug/L		03/06/25 08:12	03/13/25 17:32	1
Cadmium	<0.17		0.50	0.17	ug/L		03/06/25 08:12	03/13/25 17:32	1
Calcium	**180000**		200	44	ug/L		03/06/25 08:12	03/17/25 14:54	1
Chromium	<1.1		5.0	1.1	ug/L		03/06/25 08:12	03/13/25 17:32	1
Cobalt	**0.80**	**J**	1.0	0.40	ug/L		03/06/25 08:12	03/13/25 17:32	1
Copper	<0.50		2.0	0.50	ug/L		03/06/25 08:12	03/13/25 17:32	1
Iron	**520**		100	47	ug/L		03/06/25 08:12	03/13/25 17:32	1
Lead	<0.19		0.50	0.19	ug/L		03/06/25 08:12	03/13/25 17:32	1
Lithium	**45**		10	2.5	ug/L		03/06/25 08:12	03/13/25 17:32	1
Magnesium	**49000**		200	49	ug/L		03/06/25 08:12	03/13/25 17:32	1
Manganese	**1500**		2.5	0.79	ug/L		03/06/25 08:12	03/13/25 17:32	1
Molybdenum	<2.5		5.0	2.5	ug/L		03/06/25 08:12	03/13/25 17:32	1
Nickel	**0.93**	**J**	2.0	0.63	ug/L		03/06/25 08:12	03/13/25 17:32	1
Potassium	**1900**		500	110	ug/L		03/06/25 08:12	03/13/25 17:32	1
Selenium	<0.98		2.5	0.98	ug/L		03/06/25 08:12	03/13/25 17:32	1
Silver	<0.12		0.50	0.12	ug/L		03/06/25 08:12	03/13/25 17:32	1
Sodium	**57000**		200	77	ug/L		03/06/25 08:12	03/17/25 14:54	1
Strontium	**2200**		4.0	0.64	ug/L		03/06/25 08:12	03/13/25 17:32	1
Thallium	<0.57		2.0	0.57	ug/L		03/06/25 08:12	03/13/25 17:32	1
Tin	<1.3		5.0	1.3	ug/L		03/06/25 08:12	03/13/25 17:32	1
Vanadium	<2.2		5.0	2.2	ug/L		03/06/25 08:12	03/13/25 17:32	1
Zinc	<6.9		20	6.9	ug/L		03/06/25 08:12	03/13/25 17:32	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**640**		0.91	0.46	mg/L		03/06/25 08:12	03/14/25 08:54	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	**0.84**	**J**	1.0	0.45	mg/L			02/28/25 19:04	1
Nitrate as N (EPA 300.0)	<0.37		1.0	0.37	mg/L			02/28/25 19:04	1
Chloride (EPA 300.0)	**110**		1.0	0.42	mg/L			02/28/25 19:04	1
Nitrite as N (EPA 300.0)	<0.25		1.0	0.25	mg/L			02/28/25 19:04	1
Fluoride (EPA 300.0)	<0.43		1.0	0.43	mg/L			02/28/25 19:04	1
Nitrate Nitrite as N (EPA 300.0)	<0.37		1.0	0.37	mg/L			02/28/25 19:04	1
Sulfate (EPA 300.0)	**3.7**		1.0	0.47	mg/L			02/28/25 19:04	1
Cyanide, Total (EPA 335.4)	<0.0036		0.0050	0.0036	mg/L		03/03/25 12:00	03/03/25 16:14	1
Ammonia (EPA 350.1)	<0.10		0.20	0.10	mg/L		03/12/25 14:13	03/13/25 17:33	1
Phosphorus as P (EPA 365.1)	**0.050**		0.050	0.024	mg/L		03/05/25 07:50	03/06/25 14:16	1
Alkalinity (SM 2320B)	**530**		5.0	3.7	mg/L			03/05/25 10:41	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**530**		5.0	3.7	mg/L			03/05/25 10:41	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<3.7		5.0	3.7	mg/L			03/05/25 10:41	1
Salinity (SM 2520B)	**0.55**		0.33	0.33	psu			03/17/25 07:38	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264513-1

Client Sample ID: DUP-01-GW-20250225

Lab Sample ID: 500-264513-5

Date Collected: 02/25/25 23:59

Matrix: Water

Date Received: 02/27/25 09:45

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	730		10	4.3	mg/L			03/03/25 12:22	1
Total Suspended Solids (SM 2540D)	5.6		5.0	1.9	mg/L			02/27/25 12:25	1
Sulfide (SM 4500 S2 F)	<0.58		2.5	0.58	mg/L			03/03/25 11:48	1
Total Organic Carbon (SM 5310C)	7.2		1.0	0.47	mg/L			03/10/25 14:59	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon (SM 5310C)	7.2		1.0	0.47	mg/L			03/11/25 12:29	1

Client Sample Results

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264513-1

Client Sample ID: DUP-01-GW-20250225_FBLL

Lab Sample ID: 500-264513-6

Date Collected: 02/25/25 23:59
Matrix: Water
Date Received: 02/27/25 09:45

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			03/06/25 18:27	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264513-1

Client Sample ID: MW-2B-20250225

Date Collected: 02/25/25 13:15
Date Received: 02/27/25 09:45

Lab Sample ID: 500-264513-7

Matrix: Water

Method: EPA 1630 - Methyl Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		03/13/25 11:08	03/14/25 00:19	1

Method: EPA 1630 - Methyl Mercury - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		03/13/25 11:08	03/14/25 00:29	1

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.47**	**J**	0.50	0.20	ng/L			03/06/25 18:39	1

Method: EPA 1631E - Mercury, Low Level (CVAFS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.27**	**J**	0.50	0.20	ng/L			03/06/25 18:43	1

Method: EPA 1638 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**16**		0.050	0.0098	ug/L		03/14/25 11:45	03/15/25 01:26	1

Method: EPA 1638 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**16**		0.050	0.0098	ug/L		03/14/25 11:45	03/14/25 23:27	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**140**		100	25	ug/L		03/06/25 08:12	03/13/25 17:10	1
Antimony	<1.3		3.0	1.3	ug/L		03/06/25 08:12	03/13/25 17:10	1
Arsenic	**1.1**		1.0	0.23	ug/L		03/06/25 08:12	03/13/25 17:10	1
Barium	**680**		2.5	0.73	ug/L		03/06/25 08:12	03/13/25 17:10	1
Beryllium	<0.53		1.0	0.53	ug/L		03/06/25 08:12	03/13/25 17:10	1
Boron	**91**	**B**	50	13	ug/L		03/06/25 08:12	03/13/25 17:10	1
Cadmium	<0.17		0.50	0.17	ug/L		03/06/25 08:12	03/13/25 17:10	1
Calcium	**110000**		200	44	ug/L		03/06/25 08:12	03/17/25 14:30	1
Chromium	<1.1		5.0	1.1	ug/L		03/06/25 08:12	03/13/25 17:10	1
Cobalt	<0.40		1.0	0.40	ug/L		03/06/25 08:12	03/13/25 17:10	1
Copper	**1.6**	**J**	2.0	0.50	ug/L		03/06/25 08:12	03/13/25 17:10	1
Iron	**230**		100	47	ug/L		03/06/25 08:12	03/13/25 17:10	1
Lead	<0.19		0.50	0.19	ug/L		03/06/25 08:12	03/13/25 17:10	1
Lithium	**26**		10	2.5	ug/L		03/06/25 08:12	03/13/25 17:10	1
Magnesium	**62000**		200	49	ug/L		03/06/25 08:12	03/13/25 17:10	1
Manganese	**110**		2.5	0.79	ug/L		03/06/25 08:12	03/13/25 17:10	1
Molybdenum	<2.5		5.0	2.5	ug/L		03/06/25 08:12	03/13/25 17:10	1
Nickel	**0.81**	**J**	2.0	0.63	ug/L		03/06/25 08:12	03/13/25 17:10	1
Potassium	**2700**		500	110	ug/L		03/06/25 08:12	03/13/25 17:10	1
Selenium	<0.98		2.5	0.98	ug/L		03/06/25 08:12	03/13/25 17:10	1
Silver	<0.12		0.50	0.12	ug/L		03/06/25 08:12	03/13/25 17:10	1
Sodium	**18000**		200	77	ug/L		03/06/25 08:12	03/17/25 14:30	1
Strontium	**1200**		4.0	0.64	ug/L		03/06/25 08:12	03/13/25 17:10	1
Thallium	<0.57		2.0	0.57	ug/L		03/06/25 08:12	03/13/25 17:10	1
Tin	<1.3		5.0	1.3	ug/L		03/06/25 08:12	03/13/25 17:10	1
Vanadium	**3.7**	**J**	5.0	2.2	ug/L		03/06/25 08:12	03/13/25 17:10	1
Zinc	<6.9		20	6.9	ug/L		03/06/25 08:12	03/13/25 17:10	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264513-1

Client Sample ID: MW-2B-20250225

Date Collected: 02/25/25 13:15
Date Received: 02/27/25 09:45

Lab Sample ID: 500-264513-7

Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<25		100	25	ug/L		03/06/25 08:12	03/13/25 17:40	1
Antimony	<1.3		3.0	1.3	ug/L		03/06/25 08:12	03/13/25 17:40	1
Arsenic	**0.78**	**J**	1.0	0.23	ug/L		03/06/25 08:12	03/13/25 17:40	1
Barium	**660**		2.5	0.73	ug/L		03/06/25 08:12	03/13/25 17:40	1
Beryllium	<0.53		1.0	0.53	ug/L		03/06/25 08:12	03/13/25 17:40	1
Boron	**77**	**B**	50	13	ug/L		03/06/25 08:12	03/13/25 17:40	1
Cadmium	<0.17		0.50	0.17	ug/L		03/06/25 08:12	03/13/25 17:40	1
Calcium	**110000**		200	44	ug/L		03/06/25 08:12	03/17/25 14:56	1
Chromium	<1.1		5.0	1.1	ug/L		03/06/25 08:12	03/13/25 17:40	1
Cobalt	<0.40		1.0	0.40	ug/L		03/06/25 08:12	03/13/25 17:40	1
Copper	**0.83**	**J**	2.0	0.50	ug/L		03/06/25 08:12	03/13/25 17:40	1
Iron	<47		100	47	ug/L		03/06/25 08:12	03/13/25 17:40	1
Lead	<0.19		0.50	0.19	ug/L		03/06/25 08:12	03/13/25 17:40	1
Lithium	**24**		10	2.5	ug/L		03/06/25 08:12	03/13/25 17:40	1
Magnesium	**62000**		200	49	ug/L		03/06/25 08:12	03/13/25 17:40	1
Manganese	**39**		2.5	0.79	ug/L		03/06/25 08:12	03/13/25 17:40	1
Molybdenum	<2.5		5.0	2.5	ug/L		03/06/25 08:12	03/13/25 17:40	1
Nickel	<0.63		2.0	0.63	ug/L		03/06/25 08:12	03/13/25 17:40	1
Potassium	**2600**		500	110	ug/L		03/06/25 08:12	03/13/25 17:40	1
Selenium	<0.98		2.5	0.98	ug/L		03/06/25 08:12	03/13/25 17:40	1
Silver	<0.12		0.50	0.12	ug/L		03/06/25 08:12	03/13/25 17:40	1
Sodium	**18000**		200	77	ug/L		03/06/25 08:12	03/17/25 14:56	1
Strontium	**1200**		4.0	0.64	ug/L		03/06/25 08:12	03/13/25 17:40	1
Thallium	<0.57		2.0	0.57	ug/L		03/06/25 08:12	03/13/25 17:40	1
Tin	<1.3		5.0	1.3	ug/L		03/06/25 08:12	03/13/25 17:40	1
Vanadium	**2.6**	**J**	5.0	2.2	ug/L		03/06/25 08:12	03/13/25 17:40	1
Zinc	<6.9		20	6.9	ug/L		03/06/25 08:12	03/13/25 17:40	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**530**		0.91	0.46	mg/L		03/06/25 08:12	03/14/25 08:54	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	**0.86**	**J**	1.0	0.45	mg/L			02/27/25 12:11	1
Nitrate as N (EPA 300.0)	**1.0**		1.0	0.37	mg/L			02/27/25 12:11	1
Chloride (EPA 300.0)	**1.1**		1.0	0.42	mg/L			02/27/25 12:11	1
Nitrite as N (EPA 300.0)	**1.0**		1.0	0.25	mg/L			02/27/25 12:11	1
Fluoride (EPA 300.0)	**0.96**	**J**	1.0	0.43	mg/L			02/27/25 12:11	1
Nitrate Nitrite as N (EPA 300.0)	**2.0**		1.0	0.37	mg/L			02/27/25 12:11	1
Sulfate (EPA 300.0)	**1.0**		1.0	0.47	mg/L			02/27/25 12:11	1
Cyanide, Total (EPA 335.4)	<0.0036		0.0050	0.0036	mg/L		03/03/25 12:00	03/03/25 16:14	1
Ammonia (EPA 350.1)	<0.10		0.20	0.10	mg/L		03/12/25 14:13	03/13/25 17:34	1
Phosphorus as P (EPA 365.1)	**0.028**	**J**	0.050	0.024	mg/L		03/05/25 07:50	03/06/25 14:16	1
Alkalinity (SM 2320B)	**440**		5.0	3.7	mg/L			03/05/25 10:28	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**440**		5.0	3.7	mg/L			03/05/25 10:28	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<3.7		5.0	3.7	mg/L			03/05/25 10:28	1
Salinity (SM 2520B)	<0.33		0.33	0.33	psu			03/17/25 07:38	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264513-1

Client Sample ID: MW-2B-20250225
Date Collected: 02/25/25 13:15
Date Received: 02/27/25 09:45

Lab Sample ID: 500-264513-7
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	520		10	4.3	mg/L			03/03/25 12:24	1
Total Suspended Solids (SM 2540D)	11		5.0	1.9	mg/L			02/27/25 12:29	1
Sulfide (SM 4500 S2 F)	<0.23		1.0	0.23	mg/L			03/03/25 12:22	1
Total Organic Carbon (SM 5310C)	1.6		1.0	0.47	mg/L			03/10/25 15:32	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon (SM 5310C)	1.7		1.0	0.47	mg/L			03/11/25 12:29	1

Client Sample Results

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264513-1

Client Sample ID: MW-2B-20250225_FBLL
Date Collected: 02/25/25 13:15
Date Received: 02/27/25 09:45

Lab Sample ID: 500-264513-8
Matrix: Water

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			03/06/25 18:48	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264513-1

Client Sample ID: MLR-03_20250225

Date Collected: 02/25/25 13:45
Date Received: 02/27/25 09:45

Lab Sample ID: 500-264513-9
Matrix: Water

Method: EPA 1630 - Methyl Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	**0.033**	**J B**	0.050	0.022	ng/L		03/13/25 11:08	03/14/25 00:39	1

Method: EPA 1630 - Methyl Mercury - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	**0.033**	**J B**	0.050	0.022	ng/L		03/13/25 11:08	03/14/25 00:50	1

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**2.0**		0.50	0.20	ng/L			03/06/25 18:52	1

Method: EPA 1631E - Mercury, Low Level (CVAFS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**1.5**		0.50	0.20	ng/L			03/06/25 18:56	1

Method: EPA 1638 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.34**		0.050	0.0098	ug/L		03/06/25 16:10	03/07/25 17:56	1

Method: EPA 1638 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.32**		0.050	0.0098	ug/L		03/06/25 16:10	03/07/25 15:46	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**360**		100	25	ug/L		03/06/25 08:12	03/13/25 17:12	1
Antimony	<1.3		3.0	1.3	ug/L		03/06/25 08:12	03/13/25 17:12	1
Arsenic	**0.44**	**J**	1.0	0.23	ug/L		03/06/25 08:12	03/13/25 17:12	1
Barium	**37**		2.5	0.73	ug/L		03/06/25 08:12	03/13/25 17:12	1
Beryllium	<0.53		1.0	0.53	ug/L		03/06/25 08:12	03/13/25 17:12	1
Boron	**29**	**J B**	50	13	ug/L		03/06/25 08:12	03/13/25 17:12	1
Cadmium	<0.17		0.50	0.17	ug/L		03/06/25 08:12	03/13/25 17:12	1
Calcium	**28000**		200	44	ug/L		03/06/25 08:12	03/17/25 14:32	1
Chromium	<1.1		5.0	1.1	ug/L		03/06/25 08:12	03/13/25 17:12	1
Cobalt	<0.40		1.0	0.40	ug/L		03/06/25 08:12	03/13/25 17:12	1
Copper	**30**		2.0	0.50	ug/L		03/06/25 08:12	03/13/25 17:12	1
Iron	**1100**		100	47	ug/L		03/06/25 08:12	03/13/25 17:12	1
Lead	<0.19		0.50	0.19	ug/L		03/06/25 08:12	03/13/25 17:12	1
Lithium	<2.5		10	2.5	ug/L		03/06/25 08:12	03/13/25 17:12	1
Magnesium	**6200**		200	49	ug/L		03/06/25 08:12	03/13/25 17:12	1
Manganese	**31**		2.5	0.79	ug/L		03/06/25 08:12	03/13/25 17:12	1
Molybdenum	<2.5		5.0	2.5	ug/L		03/06/25 08:12	03/13/25 17:12	1
Nickel	<0.63		2.0	0.63	ug/L		03/06/25 08:12	03/13/25 17:12	1
Potassium	**1200**		500	110	ug/L		03/06/25 08:12	03/13/25 17:12	1
Selenium	<0.98		2.5	0.98	ug/L		03/06/25 08:12	03/13/25 17:12	1
Silver	<0.12		0.50	0.12	ug/L		03/06/25 08:12	03/13/25 17:12	1
Sodium	**11000**		200	77	ug/L		03/06/25 08:12	03/17/25 14:32	1
Strontium	**70**		4.0	0.64	ug/L		03/06/25 08:12	03/13/25 17:12	1
Thallium	<0.57		2.0	0.57	ug/L		03/06/25 08:12	03/13/25 17:12	1
Tin	<1.3		5.0	1.3	ug/L		03/06/25 08:12	03/13/25 17:12	1
Vanadium	<2.2		5.0	2.2	ug/L		03/06/25 08:12	03/13/25 17:12	1
Zinc	<6.9		20	6.9	ug/L		03/06/25 08:12	03/13/25 17:12	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264513-1

Client Sample ID: MLR-03_20250225

Date Collected: 02/25/25 13:45
Date Received: 02/27/25 09:45

Lab Sample ID: 500-264513-9

Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**27**	**J**	100	25	ug/L		03/06/25 08:12	03/13/25 17:42	1
Antimony	<1.3		3.0	1.3	ug/L		03/06/25 08:12	03/13/25 17:42	1
Arsenic	**0.34**	**J**	1.0	0.23	ug/L		03/06/25 08:12	03/13/25 17:42	1
Barium	**33**		2.5	0.73	ug/L		03/06/25 08:12	03/13/25 17:42	1
Beryllium	<0.53		1.0	0.53	ug/L		03/06/25 08:12	03/13/25 17:42	1
Boron	**27**	**J B**	50	13	ug/L		03/06/25 08:12	03/13/25 17:42	1
Cadmium	<0.17		0.50	0.17	ug/L		03/06/25 08:12	03/13/25 17:42	1
Calcium	**27000**		200	44	ug/L		03/06/25 08:12	03/17/25 14:59	1
Chromium	<1.1		5.0	1.1	ug/L		03/06/25 08:12	03/13/25 17:42	1
Cobalt	<0.40		1.0	0.40	ug/L		03/06/25 08:12	03/13/25 17:42	1
Copper	**23**		2.0	0.50	ug/L		03/06/25 08:12	03/13/25 17:42	1
Iron	**510**		100	47	ug/L		03/06/25 08:12	03/13/25 17:42	1
Lead	<0.19		0.50	0.19	ug/L		03/06/25 08:12	03/13/25 17:42	1
Lithium	<2.5		10	2.5	ug/L		03/06/25 08:12	03/13/25 17:42	1
Magnesium	**6100**		200	49	ug/L		03/06/25 08:12	03/13/25 17:42	1
Manganese	**24**		2.5	0.79	ug/L		03/06/25 08:12	03/13/25 17:42	1
Molybdenum	<2.5		5.0	2.5	ug/L		03/06/25 08:12	03/13/25 17:42	1
Nickel	<0.63		2.0	0.63	ug/L		03/06/25 08:12	03/13/25 17:42	1
Potassium	**1100**		500	110	ug/L		03/06/25 08:12	03/13/25 17:42	1
Selenium	<0.98		2.5	0.98	ug/L		03/06/25 08:12	03/13/25 17:42	1
Silver	<0.12		0.50	0.12	ug/L		03/06/25 08:12	03/13/25 17:42	1
Sodium	**10000**		200	77	ug/L		03/06/25 08:12	03/17/25 14:59	1
Strontium	**68**		4.0	0.64	ug/L		03/06/25 08:12	03/13/25 17:42	1
Thallium	<0.57		2.0	0.57	ug/L		03/06/25 08:12	03/13/25 17:42	1
Tin	<1.3		5.0	1.3	ug/L		03/06/25 08:12	03/13/25 17:42	1
Vanadium	<2.2		5.0	2.2	ug/L		03/06/25 08:12	03/13/25 17:42	1
Zinc	<6.9		20	6.9	ug/L		03/06/25 08:12	03/13/25 17:42	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**95**		0.91	0.46	mg/L		03/06/25 08:12	03/14/25 08:54	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	<0.45		1.0	0.45	mg/L			02/28/25 19:19	1
Nitrate as N (EPA 300.0)	<0.37	H	1.0	0.37	mg/L			02/28/25 19:19	1
Chloride (EPA 300.0)	**17**		1.0	0.42	mg/L			02/28/25 19:19	1
Nitrite as N (EPA 300.0)	<0.25	H	1.0	0.25	mg/L			02/28/25 19:19	1
Fluoride (EPA 300.0)	<0.43		1.0	0.43	mg/L			02/28/25 19:19	1
Nitrate Nitrite as N (EPA 300.0)	<0.37	H	1.0	0.37	mg/L			02/28/25 19:19	1
Sulfate (EPA 300.0)	**3.5**		1.0	0.47	mg/L			02/28/25 19:19	1
Cyanide, Total (EPA 335.4)	<0.0036		0.0050	0.0036	mg/L		03/03/25 12:00	03/03/25 16:16	1
Ammonia (EPA 350.1)	<0.10		0.20	0.10	mg/L		03/12/25 14:13	03/13/25 17:35	1
Phosphorus as P (EPA 365.1)	<0.024		0.050	0.024	mg/L		03/05/25 07:50	03/06/25 14:17	1
Alkalinity (SM 2320B)	**83**		5.0	3.7	mg/L			03/04/25 18:31	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**83**		5.0	3.7	mg/L			03/04/25 18:31	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<3.7		5.0	3.7	mg/L			03/04/25 18:31	1
Salinity (SM 2520B)	<0.33		0.33	0.33	psu			03/17/25 07:38	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264513-1

Client Sample ID: MLR-03_20250225
Date Collected: 02/25/25 13:45
Date Received: 02/27/25 09:45

Lab Sample ID: 500-264513-9
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	140		10	4.3	mg/L			03/03/25 12:26	1
Total Suspended Solids (SM 2540D)	3.0	J	5.0	1.9	mg/L			02/27/25 12:32	1
Sulfide (SM 4500 S2 F)	1.3		1.0	0.23	mg/L			03/03/25 11:26	1
Total Organic Carbon (SM 5310C)	7.0		1.0	0.47	mg/L			03/10/25 16:04	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon (SM 5310C)	7.1		1.0	0.47	mg/L			03/11/25 12:29	1

Client Sample Results

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264513-1

Client Sample ID: MLR-03_20250225_FBLL
Date Collected: 02/25/25 13:45
Date Received: 02/27/25 09:45

Lab Sample ID: 500-264513-10
Matrix: Water

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			03/06/25 19:00	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264513-1

Client Sample ID: BNW-01_20250225

Date Collected: 02/25/25 15:00
Date Received: 02/27/25 09:45

Lab Sample ID: 500-264513-11

Matrix: Water

Method: EPA 1630 - Methyl Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	**0.044**	**J B**	0.050	0.022	ng/L		03/13/25 11:08	03/14/25 01:00	1

Method: EPA 1630 - Methyl Mercury - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	**0.028**	**J B**	0.050	0.022	ng/L		03/13/25 11:08	03/14/25 01:10	1

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**2.0**		0.50	0.20	ng/L			03/06/25 19:04	1

Method: EPA 1631E - Mercury, Low Level (CVAFS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**1.7**		0.50	0.20	ng/L			03/06/25 19:08	1

Method: EPA 1638 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.061**		0.050	0.0098	ug/L		03/06/25 16:10	03/07/25 17:59	1

Method: EPA 1638 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.061**		0.050	0.0098	ug/L		03/06/25 16:10	03/07/25 15:57	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<25		100	25	ug/L		03/06/25 08:12	03/13/25 17:15	1
Antimony	<1.3		3.0	1.3	ug/L		03/06/25 08:12	03/13/25 17:15	1
Arsenic	<0.23		1.0	0.23	ug/L		03/06/25 08:12	03/13/25 17:15	1
Barium	**30**		2.5	0.73	ug/L		03/06/25 08:12	03/13/25 17:15	1
Beryllium	<0.53		1.0	0.53	ug/L		03/06/25 08:12	03/13/25 17:15	1
Boron	**18**	**J B**	50	13	ug/L		03/06/25 08:12	03/13/25 17:15	1
Cadmium	<0.17		0.50	0.17	ug/L		03/06/25 08:12	03/13/25 17:15	1
Calcium	**26000**		200	44	ug/L		03/06/25 08:12	03/17/25 14:35	1
Chromium	<1.1		5.0	1.1	ug/L		03/06/25 08:12	03/13/25 17:15	1
Cobalt	<0.40		1.0	0.40	ug/L		03/06/25 08:12	03/13/25 17:15	1
Copper	**1.6**	**J**	2.0	0.50	ug/L		03/06/25 08:12	03/13/25 17:15	1
Iron	**240**		100	47	ug/L		03/06/25 08:12	03/13/25 17:15	1
Lead	<0.19		0.50	0.19	ug/L		03/06/25 08:12	03/13/25 17:15	1
Lithium	<2.5		10	2.5	ug/L		03/06/25 08:12	03/13/25 17:15	1
Magnesium	**5300**		200	49	ug/L		03/06/25 08:12	03/13/25 17:15	1
Manganese	**330**		2.5	0.79	ug/L		03/06/25 08:12	03/13/25 17:15	1
Molybdenum	<2.5		5.0	2.5	ug/L		03/06/25 08:12	03/13/25 17:15	1
Nickel	<0.63		2.0	0.63	ug/L		03/06/25 08:12	03/13/25 17:15	1
Potassium	**320**	**J**	500	110	ug/L		03/06/25 08:12	03/13/25 17:15	1
Selenium	<0.98		2.5	0.98	ug/L		03/06/25 08:12	03/13/25 17:15	1
Silver	<0.12		0.50	0.12	ug/L		03/06/25 08:12	03/13/25 17:15	1
Sodium	**910**		200	77	ug/L		03/06/25 08:12	03/17/25 14:35	1
Strontium	**57**		4.0	0.64	ug/L		03/06/25 08:12	03/13/25 17:15	1
Thallium	<0.57		2.0	0.57	ug/L		03/06/25 08:12	03/13/25 17:15	1
Tin	<1.3		5.0	1.3	ug/L		03/06/25 08:12	03/13/25 17:15	1
Vanadium	<2.2		5.0	2.2	ug/L		03/06/25 08:12	03/13/25 17:15	1
Zinc	<6.9		20	6.9	ug/L		03/06/25 08:12	03/13/25 17:15	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264513-1

Client Sample ID: BNW-01_20250225

Lab Sample ID: 500-264513-11

Date Collected: 02/25/25 15:00

Matrix: Water

Date Received: 02/27/25 09:45

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<25		100	25	ug/L		03/06/25 08:12	03/13/25 17:44	1
Antimony	<1.3		3.0	1.3	ug/L		03/06/25 08:12	03/13/25 17:44	1
Arsenic	<0.23		1.0	0.23	ug/L		03/06/25 08:12	03/13/25 17:44	1
Barium	**29**		2.5	0.73	ug/L		03/06/25 08:12	03/13/25 17:44	1
Beryllium	<0.53		1.0	0.53	ug/L		03/06/25 08:12	03/13/25 17:44	1
Boron	<13		50	13	ug/L		03/06/25 08:12	03/13/25 17:44	1
Cadmium	<0.17		0.50	0.17	ug/L		03/06/25 08:12	03/13/25 17:44	1
Calcium	**26000**		200	44	ug/L		03/06/25 08:12	03/17/25 15:01	1
Chromium	<1.1		5.0	1.1	ug/L		03/06/25 08:12	03/13/25 17:44	1
Cobalt	<0.40		1.0	0.40	ug/L		03/06/25 08:12	03/13/25 17:44	1
Copper	**1.3**	**J**	2.0	0.50	ug/L		03/06/25 08:12	03/13/25 17:44	1
Iron	**110**		100	47	ug/L		03/06/25 08:12	03/13/25 17:44	1
Lead	<0.19		0.50	0.19	ug/L		03/06/25 08:12	03/13/25 17:44	1
Lithium	<2.5		10	2.5	ug/L		03/06/25 08:12	03/13/25 17:44	1
Magnesium	**5400**		200	49	ug/L		03/06/25 08:12	03/13/25 17:44	1
Manganese	**320**		2.5	0.79	ug/L		03/06/25 08:12	03/13/25 17:44	1
Molybdenum	<2.5		5.0	2.5	ug/L		03/06/25 08:12	03/13/25 17:44	1
Nickel	<0.63		2.0	0.63	ug/L		03/06/25 08:12	03/13/25 17:44	1
Potassium	**280**	**J**	500	110	ug/L		03/06/25 08:12	03/13/25 17:44	1
Selenium	<0.98		2.5	0.98	ug/L		03/06/25 08:12	03/13/25 17:44	1
Silver	<0.12		0.50	0.12	ug/L		03/06/25 08:12	03/13/25 17:44	1
Sodium	**910**		200	77	ug/L		03/06/25 08:12	03/17/25 15:01	1
Strontium	**57**		4.0	0.64	ug/L		03/06/25 08:12	03/13/25 17:44	1
Thallium	<0.57		2.0	0.57	ug/L		03/06/25 08:12	03/13/25 17:44	1
Tin	<1.3		5.0	1.3	ug/L		03/06/25 08:12	03/13/25 17:44	1
Vanadium	<2.2		5.0	2.2	ug/L		03/06/25 08:12	03/13/25 17:44	1
Zinc	<6.9		20	6.9	ug/L		03/06/25 08:12	03/13/25 17:44	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**87**		0.91	0.46	mg/L		03/06/25 08:12	03/14/25 08:54	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	<0.45		1.0	0.45	mg/L			02/28/25 19:34	1
Nitrate as N (EPA 300.0)	<0.37	H	1.0	0.37	mg/L			02/28/25 19:34	1
Chloride (EPA 300.0)	**0.69**	**J**	1.0	0.42	mg/L			02/28/25 19:34	1
Nitrite as N (EPA 300.0)	<0.25	H	1.0	0.25	mg/L			02/28/25 19:34	1
Fluoride (EPA 300.0)	<0.43		1.0	0.43	mg/L			02/28/25 19:34	1
Nitrate Nitrite as N (EPA 300.0)	<0.37	H	1.0	0.37	mg/L			02/28/25 19:34	1
Sulfate (EPA 300.0)	<0.47		1.0	0.47	mg/L			02/28/25 19:34	1
Cyanide, Total (EPA 335.4)	<0.0036		0.0050	0.0036	mg/L		03/05/25 12:10	03/05/25 15:53	1
Ammonia (EPA 350.1)	<0.10		0.20	0.10	mg/L		03/12/25 14:13	03/13/25 17:36	1
Phosphorus as P (EPA 365.1)	<0.024		0.050	0.024	mg/L		03/05/25 07:50	03/06/25 13:42	1
Alkalinity (SM 2320B)	**89**		5.0	3.7	mg/L			03/04/25 18:41	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**89**		5.0	3.7	mg/L			03/04/25 18:41	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<3.7		5.0	3.7	mg/L			03/04/25 18:41	1
Salinity (SM 2520B)	<0.33		0.33	0.33	psu			03/17/25 07:38	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264513-1

Client Sample ID: BNW-01_20250225
Date Collected: 02/25/25 15:00
Date Received: 02/27/25 09:45

Lab Sample ID: 500-264513-11
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	84		10	4.3	mg/L			03/04/25 13:02	1
Total Suspended Solids (SM 2540D)	3.2	J	5.0	1.9	mg/L			02/27/25 12:36	1
Sulfide (SM 4500 S2 F)	0.24	J	1.0	0.23	mg/L			03/03/25 12:26	1
Total Organic Carbon (SM 5310C)	4.1		1.0	0.47	mg/L			03/10/25 16:36	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon (SM 5310C)	4.0		1.0	0.47	mg/L			03/11/25 12:29	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264513-1

Client Sample ID: BNW-01_20250225_FBLL
Date Collected: 02/25/25 15:00
Date Received: 02/27/25 09:45

Lab Sample ID: 500-264513-12
Matrix: Water

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			03/06/25 19:12	1

Client Sample ID: MW-10_20250225

Date Collected: 02/25/25 17:15
Date Received: 02/27/25 09:45

Lab Sample ID: 500-264513-13
Matrix: Water

Method: EPA 1630 - Methyl Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	**0.035**	**J B**	0.050	0.022	ng/L		03/13/25 11:08	03/14/25 01:20	1

Method: EPA 1630 - Methyl Mercury - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	**0.023**	**J B**	0.050	0.022	ng/L		03/13/25 11:08	03/14/25 01:30	1

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**2.7**		0.50	0.20	ng/L			03/06/25 19:17	1

Method: EPA 1631E - Mercury, Low Level (CVAFS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**1.0**		0.50	0.20	ng/L			03/06/25 19:29	1

Method: EPA 1638 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**7.3**		0.050	0.0098	ug/L		03/06/25 16:10	03/07/25 18:10	1

Method: EPA 1638 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**7.3**		0.050	0.0098	ug/L		03/06/25 16:10	03/07/25 16:00	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**59**	**J**	100	25	ug/L		03/06/25 08:12	03/13/25 17:17	1
Antimony	<1.3		3.0	1.3	ug/L		03/06/25 08:12	03/13/25 17:17	1
Arsenic	**0.38**	**J**	1.0	0.23	ug/L		03/06/25 08:12	03/13/25 17:17	1
Barium	**2500**		2.5	0.73	ug/L		03/06/25 08:12	03/13/25 17:17	1
Beryllium	<0.53		1.0	0.53	ug/L		03/06/25 08:12	03/13/25 17:17	1
Boron	**170**	**B**	50	13	ug/L		03/06/25 08:12	03/13/25 17:17	1
Cadmium	<0.17		0.50	0.17	ug/L		03/06/25 08:12	03/13/25 17:17	1
Calcium	**340000**		200	44	ug/L		03/06/25 08:12	03/17/25 14:37	1
Chromium	<1.1		5.0	1.1	ug/L		03/06/25 08:12	03/13/25 17:17	1
Cobalt	**1.1**		1.0	0.40	ug/L		03/06/25 08:12	03/13/25 17:17	1
Copper	**1.8**	**J**	2.0	0.50	ug/L		03/06/25 08:12	03/13/25 17:17	1
Iron	**1300**		100	47	ug/L		03/06/25 08:12	03/13/25 17:17	1
Lead	<0.19		0.50	0.19	ug/L		03/06/25 08:12	03/13/25 17:17	1
Lithium	**49**		10	2.5	ug/L		03/06/25 08:12	03/13/25 17:17	1
Magnesium	**84000**		200	49	ug/L		03/06/25 08:12	03/13/25 17:17	1
Manganese	**5400**		2.5	0.79	ug/L		03/06/25 08:12	03/13/25 17:17	1
Molybdenum	<2.5		5.0	2.5	ug/L		03/06/25 08:12	03/13/25 17:17	1
Nickel	**1.8**	**J**	2.0	0.63	ug/L		03/06/25 08:12	03/13/25 17:17	1
Potassium	**1900**		500	110	ug/L		03/06/25 08:12	03/13/25 17:17	1
Selenium	<0.98		2.5	0.98	ug/L		03/06/25 08:12	03/13/25 17:17	1
Silver	<0.12		0.50	0.12	ug/L		03/06/25 08:12	03/13/25 17:17	1
Sodium	**48000**		200	77	ug/L		03/06/25 08:12	03/17/25 14:37	1
Strontium	**3000**		4.0	0.64	ug/L		03/06/25 08:12	03/13/25 17:17	1
Thallium	<0.57		2.0	0.57	ug/L		03/06/25 08:12	03/13/25 17:17	1
Tin	<1.3		5.0	1.3	ug/L		03/06/25 08:12	03/13/25 17:17	1
Vanadium	**3.0**	**J**	5.0	2.2	ug/L		03/06/25 08:12	03/13/25 17:17	1
Zinc	<6.9		20	6.9	ug/L		03/06/25 08:12	03/13/25 17:17	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264513-1

Client Sample ID: MW-10_20250225

Lab Sample ID: 500-264513-13

Date Collected: 02/25/25 17:15

Matrix: Water

Date Received: 02/27/25 09:45

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<25		100	25	ug/L		03/06/25 08:12	03/13/25 17:47	1
Antimony	<1.3		3.0	1.3	ug/L		03/06/25 08:12	03/13/25 17:47	1
Arsenic	**0.26**	**J**	1.0	0.23	ug/L		03/06/25 08:12	03/13/25 17:47	1
Barium	**2600**		2.5	0.73	ug/L		03/06/25 08:12	03/13/25 17:47	1
Beryllium	<0.53		1.0	0.53	ug/L		03/06/25 08:12	03/13/25 17:47	1
Boron	**170**	**B**	50	13	ug/L		03/06/25 08:12	03/13/25 17:47	1
Cadmium	<0.17		0.50	0.17	ug/L		03/06/25 08:12	03/13/25 17:47	1
Calcium	**340000**		200	44	ug/L		03/06/25 08:12	03/17/25 15:04	1
Chromium	<1.1		5.0	1.1	ug/L		03/06/25 08:12	03/13/25 17:47	1
Cobalt	**0.89**	**J**	1.0	0.40	ug/L		03/06/25 08:12	03/13/25 17:47	1
Copper	<0.50		2.0	0.50	ug/L		03/06/25 08:12	03/13/25 17:47	1
Iron	**950**		100	47	ug/L		03/06/25 08:12	03/13/25 17:47	1
Lead	<0.19		0.50	0.19	ug/L		03/06/25 08:12	03/13/25 17:47	1
Lithium	**49**		10	2.5	ug/L		03/06/25 08:12	03/13/25 17:47	1
Magnesium	**85000**		200	49	ug/L		03/06/25 08:12	03/13/25 17:47	1
Manganese	**5200**		2.5	0.79	ug/L		03/06/25 08:12	03/13/25 17:47	1
Molybdenum	<2.5		5.0	2.5	ug/L		03/06/25 08:12	03/13/25 17:47	1
Nickel	**1.1**	**J**	2.0	0.63	ug/L		03/06/25 08:12	03/13/25 17:47	1
Potassium	**1800**		500	110	ug/L		03/06/25 08:12	03/13/25 17:47	1
Selenium	<0.98		2.5	0.98	ug/L		03/06/25 08:12	03/13/25 17:47	1
Silver	<0.12		0.50	0.12	ug/L		03/06/25 08:12	03/13/25 17:47	1
Sodium	**48000**		200	77	ug/L		03/06/25 08:12	03/17/25 15:04	1
Strontium	**3000**		4.0	0.64	ug/L		03/06/25 08:12	03/13/25 17:47	1
Thallium	<0.57		2.0	0.57	ug/L		03/06/25 08:12	03/13/25 17:47	1
Tin	<1.3		5.0	1.3	ug/L		03/06/25 08:12	03/13/25 17:47	1
Vanadium	**2.3**	**J**	5.0	2.2	ug/L		03/06/25 08:12	03/13/25 17:47	1
Zinc	<6.9		20	6.9	ug/L		03/06/25 08:12	03/13/25 17:47	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**1200**		0.91	0.46	mg/L		03/06/25 08:12	03/14/25 08:54	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	**4.6**		1.0	0.45	mg/L			02/28/25 19:50	1
Nitrate as N (EPA 300.0)	<0.37	H	1.0	0.37	mg/L			02/28/25 19:50	1
Chloride (EPA 300.0)	**480**		20	8.4	mg/L			03/12/25 01:14	20
Nitrite as N (EPA 300.0)	<0.25	H	1.0	0.25	mg/L			02/28/25 19:50	1
Fluoride (EPA 300.0)	<0.43		1.0	0.43	mg/L			02/28/25 19:50	1
Nitrate Nitrite as N (EPA 300.0)	<0.37	H	1.0	0.37	mg/L			02/28/25 19:50	1
Sulfate (EPA 300.0)	**9.8**		1.0	0.47	mg/L			02/28/25 19:50	1
Cyanide, Total (EPA 335.4)	<0.0036		0.0050	0.0036	mg/L		03/03/25 12:00	03/03/25 16:17	1
Ammonia (EPA 350.1)	<0.10		0.20	0.10	mg/L		03/12/25 14:13	03/13/25 17:37	1
Phosphorus as P (EPA 365.1)	<0.024		0.050	0.024	mg/L		03/05/25 07:50	03/06/25 13:42	1
Alkalinity (SM 2320B)	**510**		5.0	3.7	mg/L			03/05/25 10:17	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**510**		5.0	3.7	mg/L			03/05/25 10:17	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<3.7		5.0	3.7	mg/L			03/05/25 10:17	1
Salinity (SM 2520B)	**1.4**		0.33	0.33	psu			03/17/25 07:38	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264513-1

Client Sample ID: MW-10_20250225
Date Collected: 02/25/25 17:15
Date Received: 02/27/25 09:45

Lab Sample ID: 500-264513-13
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	1300		10	4.3	mg/L			03/04/25 13:04	1
Total Suspended Solids (SM 2540D)	9.2		5.0	1.9	mg/L			02/27/25 12:43	1
Sulfide (SM 4500 S2 F)	<0.58		2.5	0.58	mg/L			03/03/25 12:18	1
Total Organic Carbon (SM 5310C)	4.4		1.0	0.47	mg/L			03/10/25 17:09	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon (SM 5310C)	4.4		1.0	0.47	mg/L			03/11/25 12:29	1

Client Sample Results

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264513-1

Client Sample ID: MW-10_20250225_FBLL
Date Collected: 02/25/25 17:15
Date Received: 02/27/25 09:45

Lab Sample ID: 500-264513-14
Matrix: Water

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			03/04/25 18:57	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264513-1

Client Sample ID: NTC-01_20250225

Date Collected: 02/25/25 16:00
Date Received: 02/27/25 09:45

Lab Sample ID: 500-264513-15

Matrix: Water

Method: EPA 1630 - Methyl Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	**0.22**		0.050	0.022	ng/L		03/05/25 12:50	03/05/25 22:41	1

Method: EPA 1630 - Methyl Mercury - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	**0.18**		0.050	0.022	ng/L		03/05/25 12:50	03/05/25 22:51	1

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**1.4**		0.50	0.20	ng/L			03/04/25 19:09	1

Method: EPA 1631E - Mercury, Low Level (CVAFS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.93**		0.50	0.20	ng/L			03/04/25 19:13	1

Method: EPA 1638 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.10**		0.050	0.0098	ug/L		03/06/25 16:10	03/07/25 18:13	1

Method: EPA 1638 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.081**		0.050	0.0098	ug/L		03/06/25 16:10	03/07/25 16:04	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**180**		100	25	ug/L		03/06/25 08:12	03/13/25 17:23	1
Antimony	<1.3		3.0	1.3	ug/L		03/06/25 08:12	03/13/25 17:23	1
Arsenic	**0.39**	**J**	1.0	0.23	ug/L		03/06/25 08:12	03/13/25 17:23	1
Barium	**59**		2.5	0.73	ug/L		03/06/25 08:12	03/13/25 17:23	1
Beryllium	<0.53		1.0	0.53	ug/L		03/06/25 08:12	03/13/25 17:23	1
Boron	**61**	**B**	50	13	ug/L		03/06/25 08:12	03/13/25 17:23	1
Cadmium	<0.17		0.50	0.17	ug/L		03/06/25 08:12	03/13/25 17:23	1
Calcium	**28000**		200	44	ug/L		03/06/25 08:12	03/17/25 14:39	1
Chromium	<1.1		5.0	1.1	ug/L		03/06/25 08:12	03/13/25 17:23	1
Cobalt	<0.40		1.0	0.40	ug/L		03/06/25 08:12	03/13/25 17:23	1
Copper	**5.6**		2.0	0.50	ug/L		03/06/25 08:12	03/13/25 17:23	1
Iron	**1900**		100	47	ug/L		03/06/25 08:12	03/13/25 17:23	1
Lead	<0.19		0.50	0.19	ug/L		03/06/25 08:12	03/13/25 17:23	1
Lithium	**2.5**	**J**	10	2.5	ug/L		03/06/25 08:12	03/13/25 17:23	1
Magnesium	**5700**		200	49	ug/L		03/06/25 08:12	03/13/25 17:23	1
Manganese	**530**		2.5	0.79	ug/L		03/06/25 08:12	03/13/25 17:23	1
Molybdenum	<2.5		5.0	2.5	ug/L		03/06/25 08:12	03/13/25 17:23	1
Nickel	<0.63		2.0	0.63	ug/L		03/06/25 08:12	03/13/25 17:23	1
Potassium	**1900**		500	110	ug/L		03/06/25 08:12	03/13/25 17:23	1
Selenium	<0.98		2.5	0.98	ug/L		03/06/25 08:12	03/13/25 17:23	1
Silver	<0.12		0.50	0.12	ug/L		03/06/25 08:12	03/13/25 17:23	1
Sodium	**8000**		200	77	ug/L		03/06/25 08:12	03/17/25 14:39	1
Strontium	**190**		4.0	0.64	ug/L		03/06/25 08:12	03/13/25 17:23	1
Thallium	<0.57		2.0	0.57	ug/L		03/06/25 08:12	03/13/25 17:23	1
Tin	<1.3		5.0	1.3	ug/L		03/06/25 08:12	03/13/25 17:23	1
Vanadium	<2.2		5.0	2.2	ug/L		03/06/25 08:12	03/13/25 17:23	1
Zinc	<6.9		20	6.9	ug/L		03/06/25 08:12	03/13/25 17:23	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264513-1

Client Sample ID: NTC-01_20250225

Date Collected: 02/25/25 16:00
Date Received: 02/27/25 09:45

Lab Sample ID: 500-264513-15

Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<25		100	25	ug/L		03/06/25 08:12	03/13/25 17:49	1
Antimony	<1.3		3.0	1.3	ug/L		03/06/25 08:12	03/13/25 17:49	1
Arsenic	**0.29**	**J**	1.0	0.23	ug/L		03/06/25 08:12	03/13/25 17:49	1
Barium	**54**		2.5	0.73	ug/L		03/06/25 08:12	03/13/25 17:49	1
Beryllium	<0.53		1.0	0.53	ug/L		03/06/25 08:12	03/13/25 17:49	1
Boron	**52**	**B**	50	13	ug/L		03/06/25 08:12	03/13/25 17:49	1
Cadmium	<0.17		0.50	0.17	ug/L		03/06/25 08:12	03/13/25 17:49	1
Calcium	**28000**		200	44	ug/L		03/06/25 08:12	03/17/25 15:06	1
Chromium	<1.1		5.0	1.1	ug/L		03/06/25 08:12	03/13/25 17:49	1
Cobalt	<0.40		1.0	0.40	ug/L		03/06/25 08:12	03/13/25 17:49	1
Copper	**2.5**		2.0	0.50	ug/L		03/06/25 08:12	03/13/25 17:49	1
Iron	**490**		100	47	ug/L		03/06/25 08:12	03/13/25 17:49	1
Lead	<0.19		0.50	0.19	ug/L		03/06/25 08:12	03/13/25 17:49	1
Lithium	**2.7**	**J**	10	2.5	ug/L		03/06/25 08:12	03/13/25 17:49	1
Magnesium	**5700**		200	49	ug/L		03/06/25 08:12	03/13/25 17:49	1
Manganese	**410**		2.5	0.79	ug/L		03/06/25 08:12	03/13/25 17:49	1
Molybdenum	<2.5		5.0	2.5	ug/L		03/06/25 08:12	03/13/25 17:49	1
Nickel	<0.63		2.0	0.63	ug/L		03/06/25 08:12	03/13/25 17:49	1
Potassium	**1900**		500	110	ug/L		03/06/25 08:12	03/13/25 17:49	1
Selenium	<0.98		2.5	0.98	ug/L		03/06/25 08:12	03/13/25 17:49	1
Silver	<0.12		0.50	0.12	ug/L		03/06/25 08:12	03/13/25 17:49	1
Sodium	**8100**		200	77	ug/L		03/06/25 08:12	03/17/25 15:06	1
Strontium	**190**		4.0	0.64	ug/L		03/06/25 08:12	03/13/25 17:49	1
Thallium	<0.57		2.0	0.57	ug/L		03/06/25 08:12	03/13/25 17:49	1
Tin	<1.3		5.0	1.3	ug/L		03/06/25 08:12	03/13/25 17:49	1
Vanadium	<2.2		5.0	2.2	ug/L		03/06/25 08:12	03/13/25 17:49	1
Zinc	<6.9		20	6.9	ug/L		03/06/25 08:12	03/13/25 17:49	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**93**		0.91	0.46	mg/L		03/06/25 08:12	03/14/25 08:54	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	<0.45		1.0	0.45	mg/L			03/01/25 07:47	1
Nitrate as N (EPA 300.0)	<0.37	H	1.0	0.37	mg/L			03/01/25 07:47	1
Chloride (EPA 300.0)	**18**		1.0	0.42	mg/L			03/01/25 07:47	1
Nitrite as N (EPA 300.0)	**0.29**	**J H**	1.0	0.25	mg/L			03/01/25 07:47	1
Fluoride (EPA 300.0)	<0.43		1.0	0.43	mg/L			03/01/25 07:47	1
Nitrate Nitrite as N (EPA 300.0)	<0.37	H	1.0	0.37	mg/L			03/01/25 07:47	1
Sulfate (EPA 300.0)	**3.1**		1.0	0.47	mg/L			03/01/25 07:47	1
Cyanide, Total (EPA 335.4)	<0.0036		0.0050	0.0036	mg/L		03/03/25 12:00	03/03/25 16:19	1
Ammonia (EPA 350.1)	<0.10		0.20	0.10	mg/L		03/12/25 14:13	03/13/25 17:38	1
Phosphorus as P (EPA 365.1)	<0.024		0.050	0.024	mg/L		03/05/25 07:50	03/06/25 13:42	1
Alkalinity (SM 2320B)	**79**		5.0	3.7	mg/L			03/04/25 18:22	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**79**		5.0	3.7	mg/L			03/04/25 18:22	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<3.7		5.0	3.7	mg/L			03/04/25 18:22	1
Salinity (SM 2520B)	<0.33		0.33	0.33	psu			03/17/25 07:38	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264513-1

Client Sample ID: NTC-01_20250225
Date Collected: 02/25/25 16:00
Date Received: 02/27/25 09:45

Lab Sample ID: 500-264513-15
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	110		10	4.3	mg/L			03/04/25 13:06	1
Total Suspended Solids (SM 2540D)	5.4		5.0	1.9	mg/L			02/27/25 12:47	1
Sulfide (SM 4500 S2 F)	<0.23		1.0	0.23	mg/L			03/03/25 12:03	1
Total Organic Carbon (SM 5310C)	6.8		1.0	0.47	mg/L			03/10/25 18:45	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon (SM 5310C)	6.5		1.0	0.47	mg/L			03/11/25 12:29	1

Client Sample Results

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264513-1

Client Sample ID: NTC-01_20250225_FBLL
Date Collected: 02/25/25 16:00
Date Received: 02/27/25 09:45

Lab Sample ID: 500-264513-16
Matrix: Water

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			03/04/25 19:17	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264513-1

Client Sample ID: DUP-01-SW_20250225

Date Collected: 02/25/25 23:59
Date Received: 02/27/25 09:45

Lab Sample ID: 500-264513-17

Matrix: Water

Method: EPA 1630 - Methyl Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	0.22		0.050	0.022	ng/L		03/05/25 12:50	03/05/25 23:01	1

Method: EPA 1630 - Methyl Mercury - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	0.18		0.050	0.022	ng/L		03/05/25 12:50	03/05/25 23:12	1

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	1.3		0.50	0.20	ng/L			03/04/25 19:21	1

Method: EPA 1631E - Mercury, Low Level (CVAFS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	1.0		0.50	0.20	ng/L			03/04/25 19:26	1

Method: EPA 1638 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	0.084		0.050	0.0098	ug/L		03/06/25 16:10	03/07/25 18:17	1

Method: EPA 1638 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	0.080		0.050	0.0098	ug/L		03/06/25 16:10	03/07/25 16:07	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	350		100	25	ug/L		03/06/25 08:12	03/13/25 17:25	1
Antimony	<1.3		3.0	1.3	ug/L		03/06/25 08:12	03/13/25 17:25	1
Arsenic	0.51	J	1.0	0.23	ug/L		03/06/25 08:12	03/13/25 17:25	1
Barium	68		2.5	0.73	ug/L		03/06/25 08:12	03/13/25 17:25	1
Beryllium	<0.53		1.0	0.53	ug/L		03/06/25 08:12	03/13/25 17:25	1
Boron	60	B	50	13	ug/L		03/06/25 08:12	03/13/25 17:25	1
Cadmium	<0.17		0.50	0.17	ug/L		03/06/25 08:12	03/13/25 17:25	1
Calcium	28000		200	44	ug/L		03/06/25 08:12	03/17/25 14:42	1
Chromium	<1.1		5.0	1.1	ug/L		03/06/25 08:12	03/13/25 17:25	1
Cobalt	0.49	J	1.0	0.40	ug/L		03/06/25 08:12	03/13/25 17:25	1
Copper	7.8		2.0	0.50	ug/L		03/06/25 08:12	03/13/25 17:25	1
Iron	2400		100	47	ug/L		03/06/25 08:12	03/13/25 17:25	1
Lead	0.23	J	0.50	0.19	ug/L		03/06/25 08:12	03/13/25 17:25	1
Lithium	3.0	J	10	2.5	ug/L		03/06/25 08:12	03/13/25 17:25	1
Magnesium	5700		200	49	ug/L		03/06/25 08:12	03/13/25 17:25	1
Manganese	780		2.5	0.79	ug/L		03/06/25 08:12	03/13/25 17:25	1
Molybdenum	<2.5		5.0	2.5	ug/L		03/06/25 08:12	03/13/25 17:25	1
Nickel	<0.63		2.0	0.63	ug/L		03/06/25 08:12	03/13/25 17:25	1
Potassium	1900		500	110	ug/L		03/06/25 08:12	03/13/25 17:25	1
Selenium	<0.98		2.5	0.98	ug/L		03/06/25 08:12	03/13/25 17:25	1
Silver	<0.12		0.50	0.12	ug/L		03/06/25 08:12	03/13/25 17:25	1
Sodium	8000		200	77	ug/L		03/06/25 08:12	03/17/25 14:42	1
Strontium	190		4.0	0.64	ug/L		03/06/25 08:12	03/13/25 17:25	1
Thallium	<0.57		2.0	0.57	ug/L		03/06/25 08:12	03/13/25 17:25	1
Tin	<1.3		5.0	1.3	ug/L		03/06/25 08:12	03/13/25 17:25	1
Vanadium	2.2	J	5.0	2.2	ug/L		03/06/25 08:12	03/13/25 17:25	1
Zinc	<6.9		20	6.9	ug/L		03/06/25 08:12	03/13/25 17:25	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264513-1

Client Sample ID: DUP-01-SW_20250225

Lab Sample ID: 500-264513-17

Date Collected: 02/25/25 23:59

Matrix: Water

Date Received: 02/27/25 09:45

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<25		100	25	ug/L		03/06/25 08:12	03/13/25 17:52	1
Antimony	<1.3		3.0	1.3	ug/L		03/06/25 08:12	03/13/25 17:52	1
Arsenic	**0.29**	**J**	1.0	0.23	ug/L		03/06/25 08:12	03/13/25 17:52	1
Barium	**54**		2.5	0.73	ug/L		03/06/25 08:12	03/13/25 17:52	1
Beryllium	<0.53		1.0	0.53	ug/L		03/06/25 08:12	03/13/25 17:52	1
Boron	**55**	**B**	50	13	ug/L		03/06/25 08:12	03/13/25 17:52	1
Cadmium	<0.17		0.50	0.17	ug/L		03/06/25 08:12	03/13/25 17:52	1
Calcium	**28000**		200	44	ug/L		03/06/25 08:12	03/17/25 15:09	1
Chromium	<1.1		5.0	1.1	ug/L		03/06/25 08:12	03/13/25 17:52	1
Cobalt	<0.40		1.0	0.40	ug/L		03/06/25 08:12	03/13/25 17:52	1
Copper	**3.3**		2.0	0.50	ug/L		03/06/25 08:12	03/13/25 17:52	1
Iron	**850**		100	47	ug/L		03/06/25 08:12	03/13/25 17:52	1
Lead	<0.19		0.50	0.19	ug/L		03/06/25 08:12	03/13/25 17:52	1
Lithium	**2.6**	**J**	10	2.5	ug/L		03/06/25 08:12	03/13/25 17:52	1
Magnesium	**5500**		200	49	ug/L		03/06/25 08:12	03/13/25 17:52	1
Manganese	**400**		2.5	0.79	ug/L		03/06/25 08:12	03/13/25 17:52	1
Molybdenum	<2.5		5.0	2.5	ug/L		03/06/25 08:12	03/13/25 17:52	1
Nickel	<0.63		2.0	0.63	ug/L		03/06/25 08:12	03/13/25 17:52	1
Potassium	**1800**		500	110	ug/L		03/06/25 08:12	03/13/25 17:52	1
Selenium	<0.98		2.5	0.98	ug/L		03/06/25 08:12	03/13/25 17:52	1
Silver	<0.12		0.50	0.12	ug/L		03/06/25 08:12	03/13/25 17:52	1
Sodium	**8000**		200	77	ug/L		03/06/25 08:12	03/17/25 15:09	1
Strontium	**180**		4.0	0.64	ug/L		03/06/25 08:12	03/13/25 17:52	1
Thallium	<0.57		2.0	0.57	ug/L		03/06/25 08:12	03/13/25 17:52	1
Tin	<1.3		5.0	1.3	ug/L		03/06/25 08:12	03/13/25 17:52	1
Vanadium	<2.2		5.0	2.2	ug/L		03/06/25 08:12	03/13/25 17:52	1
Zinc	<6.9		20	6.9	ug/L		03/06/25 08:12	03/13/25 17:52	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**93**		0.91	0.46	mg/L		03/06/25 08:12	03/14/25 08:54	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	<0.45		1.0	0.45	mg/L			03/01/25 08:02	1
Nitrate as N (EPA 300.0)	<0.37	F1 F2	1.0	0.37	mg/L			03/01/25 08:02	1
Chloride (EPA 300.0)	**17**		1.0	0.42	mg/L			03/01/25 08:02	1
Nitrite as N (EPA 300.0)	<0.25	F2 F1	1.0	0.25	mg/L			03/01/25 08:02	1
Fluoride (EPA 300.0)	<0.43		1.0	0.43	mg/L			03/01/25 08:02	1
Nitrate Nitrite as N (EPA 300.0)	<0.37	F2 F1	1.0	0.37	mg/L			03/01/25 08:02	1
Sulfate (EPA 300.0)	**2.7**		1.0	0.47	mg/L			03/01/25 08:02	1
Cyanide, Total (EPA 335.4)	<0.0036		0.0050	0.0036	mg/L		03/03/25 12:00	03/03/25 16:21	1
Ammonia (EPA 350.1)	<0.10		0.20	0.10	mg/L		03/12/25 14:13	03/13/25 17:40	1
Phosphorus as P (EPA 365.1)	<0.024		0.050	0.024	mg/L		03/05/25 07:50	03/06/25 13:43	1
Alkalinity (SM 2320B)	**80**		5.0	3.7	mg/L			03/04/25 18:13	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**80**		5.0	3.7	mg/L			03/04/25 18:13	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<3.7		5.0	3.7	mg/L			03/04/25 18:13	1
Salinity (SM 2520B)	<0.33		0.33	0.33	psu			03/17/25 07:38	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264513-1

Client Sample ID: DUP-01-SW_20250225
Date Collected: 02/25/25 23:59
Date Received: 02/27/25 09:45

Lab Sample ID: 500-264513-17
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	140		10	4.3	mg/L			03/03/25 12:28	1
Total Suspended Solids (SM 2540D)	9.6		5.0	1.9	mg/L			02/27/25 12:51	1
Sulfide (SM 4500 S2 F)	<0.23		1.0	0.23	mg/L			03/03/25 11:52	1
Total Organic Carbon (SM 5310C)	6.7		1.0	0.47	mg/L			03/10/25 19:17	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon (SM 5310C)	6.4		1.0	0.47	mg/L			03/11/25 12:29	1

Client Sample Results

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264513-1

Client Sample ID: DUP-01-SW_20250225_FBLL

Lab Sample ID: 500-264513-18

Date Collected: 02/25/25 23:59
Matrix: Water
Date Received: 02/27/25 09:45

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			03/04/25 19:30	1

Definitions/Glossary

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264513-1

Qualifiers

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
F5	Duplicate RPD exceeds limit, and one or both sample results are less than 5 times RL, and the absolute difference between results is < the upper reporting limits for both.
H	Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.
H3	Sample was received and analyzed past holding time. This does not meet regulatory requirements.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Metals

Analysis Batch: 5360

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264513-14	MW-10_20250225_FBLL	Total/NA	Water	1631E	
500-264513-15	NTC-01_20250225	Dissolved	Water	1631E	
500-264513-15	NTC-01_20250225	Total/NA	Water	1631E	
500-264513-16	NTC-01_20250225_FBLL	Total/NA	Water	1631E	
500-264513-17	DUP-01-SW_20250225	Dissolved	Water	1631E	
500-264513-17	DUP-01-SW_20250225	Total/NA	Water	1631E	
500-264513-18	DUP-01-SW_20250225_FBLL	Total/NA	Water	1631E	
MB 350-5360/25	Method Blank	Total/NA	Water	1631E	
MB 350-5360/26	Method Blank	Total/NA	Water	1631E	
MB 350-5360/27	Method Blank	Total/NA	Water	1631E	
LCS 350-5360/32	Lab Control Sample	Total/NA	Water	1631E	
LCSD 350-5360/35	Lab Control Sample Dup	Total/NA	Water	1631E	

Prep Batch: 5362

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264513-15	NTC-01_20250225	Dissolved	Water	1630	
500-264513-15	NTC-01_20250225	Total/NA	Water	1630	
500-264513-17	DUP-01-SW_20250225	Dissolved	Water	1630	
500-264513-17	DUP-01-SW_20250225	Total/NA	Water	1630	
MB 350-5362/1-A	Method Blank	Total/NA	Water	1630	
MB 350-5362/2-A	Method Blank	Total/NA	Water	1630	
MB 350-5362/3-A	Method Blank	Total/NA	Water	1630	
LCS 350-5362/4-A	Lab Control Sample	Total/NA	Water	1630	
LCSD 350-5362/5-A	Lab Control Sample Dup	Total/NA	Water	1630	

Analysis Batch: 5384

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264513-1	PRC-02_20250225	Dissolved	Water	1631E	
500-264513-1	PRC-02_20250225	Total/NA	Water	1631E	
500-264513-2	PRC-02_20250225_FBLL	Total/NA	Water	1631E	
500-264513-3	MW-2A_20250225	Dissolved	Water	1631E	
500-264513-3	MW-2A_20250225	Total/NA	Water	1631E	
MB 350-5384/17	Method Blank	Total/NA	Water	1631E	
MB 350-5384/18	Method Blank	Total/NA	Water	1631E	
MB 350-5384/19	Method Blank	Total/NA	Water	1631E	
LCS 350-5384/28	Lab Control Sample	Total/NA	Water	1631E	
LCSD 350-5384/29	Lab Control Sample Dup	Total/NA	Water	1631E	

Analysis Batch: 5398

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264513-15	NTC-01_20250225	Dissolved	Water	1630	5362
500-264513-15	NTC-01_20250225	Total/NA	Water	1630	5362
500-264513-17	DUP-01-SW_20250225	Dissolved	Water	1630	5362
500-264513-17	DUP-01-SW_20250225	Total/NA	Water	1630	5362
MB 350-5362/1-A	Method Blank	Total/NA	Water	1630	5362
MB 350-5362/2-A	Method Blank	Total/NA	Water	1630	5362
MB 350-5362/3-A	Method Blank	Total/NA	Water	1630	5362
LCS 350-5362/4-A	Lab Control Sample	Total/NA	Water	1630	5362
LCSD 350-5362/5-A	Lab Control Sample Dup	Total/NA	Water	1630	5362

Metals

Prep Batch: 5412

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264513-9	MLR-03_20250225	Dissolved	Water	1638	
500-264513-11	BNW-01_20250225	Dissolved	Water	1638	
500-264513-13	MW-10_20250225	Dissolved	Water	1638	
500-264513-15	NTC-01_20250225	Dissolved	Water	1638	
500-264513-17	DUP-01-SW_20250225	Dissolved	Water	1638	
MB 350-5412/1-A	Method Blank	Total Recoverable	Water	1638	
MB 350-5412/2-A	Method Blank	Total Recoverable	Water	1638	
LCS 350-5412/3-A	Lab Control Sample	Total Recoverable	Water	1638	
LCSD 350-5412/4-A	Lab Control Sample Dup	Total Recoverable	Water	1638	

Prep Batch: 5414

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264513-9	MLR-03_20250225	Total Recoverable	Water	1638	
500-264513-11	BNW-01_20250225	Total Recoverable	Water	1638	
500-264513-13	MW-10_20250225	Total Recoverable	Water	1638	
500-264513-15	NTC-01_20250225	Total Recoverable	Water	1638	
500-264513-17	DUP-01-SW_20250225	Total Recoverable	Water	1638	
MB 350-5414/1-A	Method Blank	Total Recoverable	Water	1638	
MB 350-5414/2-A	Method Blank	Total Recoverable	Water	1638	
LCS 350-5414/3-A	Lab Control Sample	Total Recoverable	Water	1638	
LCSD 350-5414/4-A	Lab Control Sample Dup	Total Recoverable	Water	1638	

Analysis Batch: 5423

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264513-4	MW-2A_20250225_FBLL	Total/NA	Water	1631E	
500-264513-5	DUP-01-GW-20250225	Dissolved	Water	1631E	
500-264513-5	DUP-01-GW-20250225	Total/NA	Water	1631E	
500-264513-6	DUP-01-GW-20250225_FBLL	Total/NA	Water	1631E	
500-264513-7	MW-2B-20250225	Dissolved	Water	1631E	
500-264513-7	MW-2B-20250225	Total/NA	Water	1631E	
500-264513-8	MW-2B-20250225_FBLL	Total/NA	Water	1631E	
500-264513-9	MLR-03_20250225	Dissolved	Water	1631E	
500-264513-9	MLR-03_20250225	Total/NA	Water	1631E	
500-264513-10	MLR-03_20250225_FBLL	Total/NA	Water	1631E	
500-264513-11	BNW-01_20250225	Dissolved	Water	1631E	
500-264513-11	BNW-01_20250225	Total/NA	Water	1631E	
500-264513-12	BNW-01_20250225_FBLL	Total/NA	Water	1631E	
500-264513-13	MW-10_20250225	Dissolved	Water	1631E	
500-264513-13	MW-10_20250225	Total/NA	Water	1631E	
MB 350-5423/63	Method Blank	Total/NA	Water	1631E	
MB 350-5423/64	Method Blank	Total/NA	Water	1631E	
MB 350-5423/65	Method Blank	Total/NA	Water	1631E	
MB 350-5423/74	Method Blank	Total/NA	Water	1631E	
MB 350-5423/75	Method Blank	Total/NA	Water	1631E	
MB 350-5423/76	Method Blank	Total/NA	Water	1631E	
LCS 350-5423/66	Lab Control Sample	Total/NA	Water	1631E	
LCS 350-5423/77	Lab Control Sample	Total/NA	Water	1631E	
LCSD 350-5423/67	Lab Control Sample Dup	Total/NA	Water	1631E	
LCSD 350-5423/78	Lab Control Sample Dup	Total/NA	Water	1631E	

Metals

Analysis Batch: 5461

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264513-9	MLR-03_20250225	Dissolved	Water	1638	5412
500-264513-9	MLR-03_20250225	Total Recoverable	Water	1638	5414
500-264513-11	BNW-01_20250225	Dissolved	Water	1638	5412
500-264513-11	BNW-01_20250225	Total Recoverable	Water	1638	5414
500-264513-13	MW-10_20250225	Dissolved	Water	1638	5412
500-264513-13	MW-10_20250225	Total Recoverable	Water	1638	5414
500-264513-15	NTC-01_20250225	Dissolved	Water	1638	5412
500-264513-15	NTC-01_20250225	Total Recoverable	Water	1638	5414
500-264513-17	DUP-01-SW_20250225	Dissolved	Water	1638	5412
500-264513-17	DUP-01-SW_20250225	Total Recoverable	Water	1638	5414
MB 350-5412/1-A	Method Blank	Total Recoverable	Water	1638	5412
MB 350-5412/2-A	Method Blank	Total Recoverable	Water	1638	5412
MB 350-5414/1-A	Method Blank	Total Recoverable	Water	1638	5414
MB 350-5414/2-A	Method Blank	Total Recoverable	Water	1638	5414
LCS 350-5412/3-A	Lab Control Sample	Total Recoverable	Water	1638	5412
LCS 350-5414/3-A	Lab Control Sample	Total Recoverable	Water	1638	5414
LCSD 350-5412/4-A	Lab Control Sample Dup	Total Recoverable	Water	1638	5412
LCSD 350-5414/4-A	Lab Control Sample Dup	Total Recoverable	Water	1638	5414

Prep Batch: 5531

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264513-1	PRC-02_20250225	Dissolved	Water	1630	
500-264513-1	PRC-02_20250225	Total/NA	Water	1630	
500-264513-3	MW-2A_20250225	Dissolved	Water	1630	
500-264513-3	MW-2A_20250225	Total/NA	Water	1630	
500-264513-5	DUP-01-GW-20250225	Dissolved	Water	1630	
500-264513-5	DUP-01-GW-20250225	Total/NA	Water	1630	
500-264513-7	MW-2B-20250225	Dissolved	Water	1630	
500-264513-7	MW-2B-20250225	Total/NA	Water	1630	
500-264513-9	MLR-03_20250225	Dissolved	Water	1630	
500-264513-9	MLR-03_20250225	Total/NA	Water	1630	
500-264513-11	BNW-01_20250225	Dissolved	Water	1630	
500-264513-11	BNW-01_20250225	Total/NA	Water	1630	
500-264513-13	MW-10_20250225	Dissolved	Water	1630	
500-264513-13	MW-10_20250225	Total/NA	Water	1630	
MB 350-5531/1-A	Method Blank	Total/NA	Water	1630	
MB 350-5531/2-A	Method Blank	Total/NA	Water	1630	
MB 350-5531/3-A	Method Blank	Total/NA	Water	1630	
LCS 350-5531/4-A	Lab Control Sample	Total/NA	Water	1630	
LCSD 350-5531/5-A	Lab Control Sample Dup	Total/NA	Water	1630	

Prep Batch: 5549

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264513-1	PRC-02_20250225	Dissolved	Water	1638	
500-264513-3	MW-2A_20250225	Dissolved	Water	1638	
500-264513-5	DUP-01-GW-20250225	Dissolved	Water	1638	
500-264513-7	MW-2B-20250225	Dissolved	Water	1638	
MB 350-5549/1-A	Method Blank	Total Recoverable	Water	1638	
MB 350-5549/2-A	Method Blank	Total Recoverable	Water	1638	
LCS 350-5549/3-A	Lab Control Sample	Total Recoverable	Water	1638	
LCSD 350-5549/4-A	Lab Control Sample Dup	Total Recoverable	Water	1638	

Metals

Prep Batch: 5551

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264513-1	PRC-02_20250225	Total Recoverable	Water	1638	
500-264513-3	MW-2A_20250225	Total Recoverable	Water	1638	
500-264513-5	DUP-01-GW-20250225	Total Recoverable	Water	1638	
500-264513-7	MW-2B-20250225	Total Recoverable	Water	1638	
MB 350-5551/1-A	Method Blank	Total Recoverable	Water	1638	
MB 350-5551/2-A	Method Blank	Total Recoverable	Water	1638	
LCS 350-5551/3-A	Lab Control Sample	Total Recoverable	Water	1638	
LCSD 350-5551/4-A	Lab Control Sample Dup	Total Recoverable	Water	1638	

Analysis Batch: 5564

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264513-1	PRC-02_20250225	Dissolved	Water	1630	5531
500-264513-1	PRC-02_20250225	Total/NA	Water	1630	5531
500-264513-3	MW-2A_20250225	Dissolved	Water	1630	5531
500-264513-3	MW-2A_20250225	Total/NA	Water	1630	5531
500-264513-5	DUP-01-GW-20250225	Dissolved	Water	1630	5531
500-264513-5	DUP-01-GW-20250225	Total/NA	Water	1630	5531
500-264513-7	MW-2B-20250225	Dissolved	Water	1630	5531
500-264513-7	MW-2B-20250225	Total/NA	Water	1630	5531
500-264513-9	MLR-03_20250225	Dissolved	Water	1630	5531
500-264513-9	MLR-03_20250225	Total/NA	Water	1630	5531
500-264513-11	BNW-01_20250225	Dissolved	Water	1630	5531
500-264513-11	BNW-01_20250225	Total/NA	Water	1630	5531
500-264513-13	MW-10_20250225	Dissolved	Water	1630	5531
500-264513-13	MW-10_20250225	Total/NA	Water	1630	5531
MB 350-5531/1-A	Method Blank	Total/NA	Water	1630	5531
MB 350-5531/2-A	Method Blank	Total/NA	Water	1630	5531
MB 350-5531/3-A	Method Blank	Total/NA	Water	1630	5531
LCS 350-5531/4-A	Lab Control Sample	Total/NA	Water	1630	5531
LCSD 350-5531/5-A	Lab Control Sample Dup	Total/NA	Water	1630	5531

Analysis Batch: 5599

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264513-1	PRC-02_20250225	Dissolved	Water	1638	5549
500-264513-1	PRC-02_20250225	Total Recoverable	Water	1638	5551
500-264513-3	MW-2A_20250225	Dissolved	Water	1638	5549
500-264513-3	MW-2A_20250225	Total Recoverable	Water	1638	5551
500-264513-5	DUP-01-GW-20250225	Dissolved	Water	1638	5549
500-264513-5	DUP-01-GW-20250225	Total Recoverable	Water	1638	5551
500-264513-7	MW-2B-20250225	Dissolved	Water	1638	5549
500-264513-7	MW-2B-20250225	Total Recoverable	Water	1638	5551
MB 350-5549/1-A	Method Blank	Total Recoverable	Water	1638	5549
MB 350-5549/2-A	Method Blank	Total Recoverable	Water	1638	5549
MB 350-5551/1-A	Method Blank	Total Recoverable	Water	1638	5551
MB 350-5551/2-A	Method Blank	Total Recoverable	Water	1638	5551
LCS 350-5549/3-A	Lab Control Sample	Total Recoverable	Water	1638	5549
LCS 350-5551/3-A	Lab Control Sample	Total Recoverable	Water	1638	5551
LCSD 350-5549/4-A	Lab Control Sample Dup	Total Recoverable	Water	1638	5549
LCSD 350-5551/4-A	Lab Control Sample Dup	Total Recoverable	Water	1638	5551

Metals

Prep Batch: 808815

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264513-1	PRC-02_20250225	Dissolved	Water	3005A	
500-264513-1	PRC-02_20250225	Total Recoverable	Water	3005A	
500-264513-3	MW-2A_20250225	Dissolved	Water	3005A	
500-264513-3	MW-2A_20250225	Total Recoverable	Water	3005A	
500-264513-5	DUP-01-GW-20250225	Dissolved	Water	3005A	
500-264513-5	DUP-01-GW-20250225	Total Recoverable	Water	3005A	
500-264513-7	MW-2B-20250225	Dissolved	Water	3005A	
500-264513-7	MW-2B-20250225	Total Recoverable	Water	3005A	
500-264513-9	MLR-03_20250225	Dissolved	Water	3005A	
500-264513-9	MLR-03_20250225	Total Recoverable	Water	3005A	
500-264513-11	BNW-01_20250225	Dissolved	Water	3005A	
500-264513-11	BNW-01_20250225	Total Recoverable	Water	3005A	
500-264513-13	MW-10_20250225	Dissolved	Water	3005A	
500-264513-13	MW-10_20250225	Total Recoverable	Water	3005A	
500-264513-15	NTC-01_20250225	Dissolved	Water	3005A	
500-264513-15	NTC-01_20250225	Total Recoverable	Water	3005A	
500-264513-17	DUP-01-SW_20250225	Dissolved	Water	3005A	
500-264513-17	DUP-01-SW_20250225	Total Recoverable	Water	3005A	
MB 500-808815/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 500-808815/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Analysis Batch: 809902

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264513-1	PRC-02_20250225	Dissolved	Water	6020B	808815
500-264513-1	PRC-02_20250225	Total Recoverable	Water	6020B	808815
500-264513-3	MW-2A_20250225	Dissolved	Water	6020B	808815
500-264513-3	MW-2A_20250225	Total Recoverable	Water	6020B	808815
500-264513-5	DUP-01-GW-20250225	Dissolved	Water	6020B	808815
500-264513-5	DUP-01-GW-20250225	Total Recoverable	Water	6020B	808815
500-264513-7	MW-2B-20250225	Dissolved	Water	6020B	808815
500-264513-7	MW-2B-20250225	Total Recoverable	Water	6020B	808815
500-264513-9	MLR-03_20250225	Dissolved	Water	6020B	808815
500-264513-9	MLR-03_20250225	Total Recoverable	Water	6020B	808815
500-264513-11	BNW-01_20250225	Dissolved	Water	6020B	808815
500-264513-11	BNW-01_20250225	Total Recoverable	Water	6020B	808815
500-264513-13	MW-10_20250225	Dissolved	Water	6020B	808815
500-264513-13	MW-10_20250225	Total Recoverable	Water	6020B	808815
500-264513-15	NTC-01_20250225	Dissolved	Water	6020B	808815
500-264513-15	NTC-01_20250225	Total Recoverable	Water	6020B	808815
500-264513-17	DUP-01-SW_20250225	Dissolved	Water	6020B	808815
500-264513-17	DUP-01-SW_20250225	Total Recoverable	Water	6020B	808815
MB 500-808815/1-A	Method Blank	Total Recoverable	Water	6020B	808815
LCS 500-808815/2-A	Lab Control Sample	Total Recoverable	Water	6020B	808815

Analysis Batch: 809911

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264513-1	PRC-02_20250225	Total Recoverable	Water	SM 2340B	808815
500-264513-3	MW-2A_20250225	Total Recoverable	Water	SM 2340B	808815
500-264513-5	DUP-01-GW-20250225	Total Recoverable	Water	SM 2340B	808815
500-264513-7	MW-2B-20250225	Total Recoverable	Water	SM 2340B	808815
500-264513-9	MLR-03_20250225	Total Recoverable	Water	SM 2340B	808815

Metals (Continued)

Analysis Batch: 809911 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264513-11	BNW-01_20250225	Total Recoverable	Water	SM 2340B	808815
500-264513-13	MW-10_20250225	Total Recoverable	Water	SM 2340B	808815
500-264513-15	NTC-01_20250225	Total Recoverable	Water	SM 2340B	808815
500-264513-17	DUP-01-SW_20250225	Total Recoverable	Water	SM 2340B	808815

Analysis Batch: 810217

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264513-1	PRC-02_20250225	Dissolved	Water	6020B	808815
500-264513-1	PRC-02_20250225	Total Recoverable	Water	6020B	808815
500-264513-3	MW-2A_20250225	Dissolved	Water	6020B	808815
500-264513-3	MW-2A_20250225	Total Recoverable	Water	6020B	808815
500-264513-5	DUP-01-GW-20250225	Dissolved	Water	6020B	808815
500-264513-5	DUP-01-GW-20250225	Total Recoverable	Water	6020B	808815
500-264513-7	MW-2B-20250225	Dissolved	Water	6020B	808815
500-264513-7	MW-2B-20250225	Total Recoverable	Water	6020B	808815
500-264513-9	MLR-03_20250225	Dissolved	Water	6020B	808815
500-264513-9	MLR-03_20250225	Total Recoverable	Water	6020B	808815
500-264513-11	BNW-01_20250225	Dissolved	Water	6020B	808815
500-264513-11	BNW-01_20250225	Total Recoverable	Water	6020B	808815
500-264513-13	MW-10_20250225	Dissolved	Water	6020B	808815
500-264513-13	MW-10_20250225	Total Recoverable	Water	6020B	808815
500-264513-15	NTC-01_20250225	Dissolved	Water	6020B	808815
500-264513-15	NTC-01_20250225	Total Recoverable	Water	6020B	808815
500-264513-17	DUP-01-SW_20250225	Dissolved	Water	6020B	808815
500-264513-17	DUP-01-SW_20250225	Total Recoverable	Water	6020B	808815
MB 500-808815/1-A	Method Blank	Total Recoverable	Water	6020B	808815
LCS 500-808815/2-A	Lab Control Sample	Total Recoverable	Water	6020B	808815

General Chemistry

Analysis Batch: 807937

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264513-1	PRC-02_20250225	Total/NA	Water	SM 2540D	
500-264513-3	MW-2A_20250225	Total/NA	Water	SM 2540D	
500-264513-5	DUP-01-GW-20250225	Total/NA	Water	SM 2540D	
500-264513-7	MW-2B-20250225	Total/NA	Water	SM 2540D	
500-264513-9	MLR-03_20250225	Total/NA	Water	SM 2540D	
500-264513-11	BNW-01_20250225	Total/NA	Water	SM 2540D	
500-264513-13	MW-10_20250225	Total/NA	Water	SM 2540D	
500-264513-15	NTC-01_20250225	Total/NA	Water	SM 2540D	
500-264513-17	DUP-01-SW_20250225	Total/NA	Water	SM 2540D	
MB 500-807937/1	Method Blank	Total/NA	Water	SM 2540D	
LCS 500-807937/2	Lab Control Sample	Total/NA	Water	SM 2540D	
500-264513-11 DU	BNW-01_20250225	Total/NA	Water	SM 2540D	

Analysis Batch: 807953

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264513-1	PRC-02_20250225	Total/NA	Water	300.0	
500-264513-3	MW-2A_20250225	Total/NA	Water	300.0	
500-264513-5	DUP-01-GW-20250225	Total/NA	Water	300.0	
500-264513-7	MW-2B-20250225	Total/NA	Water	300.0	

General Chemistry (Continued)

Analysis Batch: 807953 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264513-9	MLR-03_20250225	Total/NA	Water	300.0	
500-264513-11	BNW-01_20250225	Total/NA	Water	300.0	
500-264513-13	MW-10_20250225	Total/NA	Water	300.0	
500-264513-15	NTC-01_20250225	Total/NA	Water	300.0	
500-264513-17	DUP-01-SW_20250225	Total/NA	Water	300.0	
MB 500-807953/3	Method Blank	Total/NA	Water	300.0	
LCS 500-807953/4	Lab Control Sample	Total/NA	Water	300.0	
500-264513-17 MS	DUP-01-SW_20250225	Total/NA	Water	300.0	
500-264513-17 MSD	DUP-01-SW_20250225	Total/NA	Water	300.0	

Analysis Batch: 807954

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264513-1	PRC-02_20250225	Total/NA	Water	300.0	
500-264513-3	MW-2A_20250225	Total/NA	Water	300.0	
500-264513-5	DUP-01-GW-20250225	Total/NA	Water	300.0	
500-264513-7	MW-2B-20250225	Total/NA	Water	300.0	
500-264513-9	MLR-03_20250225	Total/NA	Water	300.0	
500-264513-11	BNW-01_20250225	Total/NA	Water	300.0	
500-264513-13	MW-10_20250225	Total/NA	Water	300.0	
500-264513-15	NTC-01_20250225	Total/NA	Water	300.0	
500-264513-17	DUP-01-SW_20250225	Total/NA	Water	300.0	
MB 500-807954/3	Method Blank	Total/NA	Water	300.0	
LCS 500-807954/4	Lab Control Sample	Total/NA	Water	300.0	
500-264513-17 MS	DUP-01-SW_20250225	Total/NA	Water	300.0	
500-264513-17 MSD	DUP-01-SW_20250225	Total/NA	Water	300.0	

Prep Batch: 808349

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264513-1	PRC-02_20250225	Total/NA	Water	Distill/CN	
500-264513-3	MW-2A_20250225	Total/NA	Water	Distill/CN	
500-264513-5	DUP-01-GW-20250225	Total/NA	Water	Distill/CN	
500-264513-7	MW-2B-20250225	Total/NA	Water	Distill/CN	
500-264513-9	MLR-03_20250225	Total/NA	Water	Distill/CN	
500-264513-13	MW-10_20250225	Total/NA	Water	Distill/CN	
500-264513-15	NTC-01_20250225	Total/NA	Water	Distill/CN	
500-264513-17	DUP-01-SW_20250225	Total/NA	Water	Distill/CN	
MB 500-808349/1-A	Method Blank	Total/NA	Water	Distill/CN	
LCS 500-808349/2-A	Lab Control Sample	Total/NA	Water	Distill/CN	
500-264513-7 MS	MW-2B-20250225	Total/NA	Water	Distill/CN	
500-264513-7 MSD	MW-2B-20250225	Total/NA	Water	Distill/CN	

Analysis Batch: 808359

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264513-1	PRC-02_20250225	Total/NA	Water	SM 2540C	
500-264513-3	MW-2A_20250225	Total/NA	Water	SM 2540C	
500-264513-5	DUP-01-GW-20250225	Total/NA	Water	SM 2540C	
500-264513-7	MW-2B-20250225	Total/NA	Water	SM 2540C	
500-264513-9	MLR-03_20250225	Total/NA	Water	SM 2540C	
500-264513-17	DUP-01-SW_20250225	Total/NA	Water	SM 2540C	
MB 500-808359/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-808359/2	Lab Control Sample	Total/NA	Water	SM 2540C	

General Chemistry

Prep Batch: 808387

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 500-808387/1-A	Method Blank	Total/NA	Water	Distill/CN	
LCS 500-808387/2-A	Lab Control Sample	Total/NA	Water	Distill/CN	

Analysis Batch: 808415

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264513-1	PRC-02_20250225	Total/NA	Water	SM 4500 S2 F	
500-264513-3	MW-2A_20250225	Total/NA	Water	SM 4500 S2 F	
500-264513-5	DUP-01-GW-20250225	Total/NA	Water	SM 4500 S2 F	
500-264513-7	MW-2B-20250225	Total/NA	Water	SM 4500 S2 F	
500-264513-9	MLR-03_20250225	Total/NA	Water	SM 4500 S2 F	
500-264513-11	BNW-01_20250225	Total/NA	Water	SM 4500 S2 F	
500-264513-13	MW-10_20250225	Total/NA	Water	SM 4500 S2 F	
500-264513-15	NTC-01_20250225	Total/NA	Water	SM 4500 S2 F	
500-264513-17	DUP-01-SW_20250225	Total/NA	Water	SM 4500 S2 F	
MB 500-808415/1	Method Blank	Total/NA	Water	SM 4500 S2 F	
LCS 500-808415/2	Lab Control Sample	Total/NA	Water	SM 4500 S2 F	

Analysis Batch: 808442

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264513-1	PRC-02_20250225	Total/NA	Water	335.4	808349
500-264513-3	MW-2A_20250225	Total/NA	Water	335.4	808349
500-264513-5	DUP-01-GW-20250225	Total/NA	Water	335.4	808349
500-264513-7	MW-2B-20250225	Total/NA	Water	335.4	808349
500-264513-9	MLR-03_20250225	Total/NA	Water	335.4	808349
500-264513-13	MW-10_20250225	Total/NA	Water	335.4	808349
500-264513-15	NTC-01_20250225	Total/NA	Water	335.4	808349
500-264513-17	DUP-01-SW_20250225	Total/NA	Water	335.4	808349
MB 500-808349/1-A	Method Blank	Total/NA	Water	335.4	808349
LCS 500-808349/2-A	Lab Control Sample	Total/NA	Water	335.4	808349
500-264513-7 MS	MW-2B-20250225	Total/NA	Water	335.4	808349
500-264513-7 MSD	MW-2B-20250225	Total/NA	Water	335.4	808349

Analysis Batch: 808561

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264513-11	BNW-01_20250225	Total/NA	Water	SM 2540C	
500-264513-13	MW-10_20250225	Total/NA	Water	SM 2540C	
500-264513-15	NTC-01_20250225	Total/NA	Water	SM 2540C	
MB 500-808561/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-808561/2	Lab Control Sample	Total/NA	Water	SM 2540C	

Prep Batch: 808572

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264513-1	PRC-02_20250225	Total/NA	Water	365.2/365.3/365	
500-264513-3	MW-2A_20250225	Total/NA	Water	365.2/365.3/365	
500-264513-5	DUP-01-GW-20250225	Total/NA	Water	365.2/365.3/365	
500-264513-7	MW-2B-20250225	Total/NA	Water	365.2/365.3/365	
500-264513-9	MLR-03_20250225	Total/NA	Water	365.2/365.3/365	
MB 500-808572/1-A	Method Blank	Total/NA	Water	365.2/365.3/365	
LCS 500-808572/2-A	Lab Control Sample	Total/NA	Water	365.2/365.3/365	

General Chemistry

Prep Batch: 808573

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264513-11	BNW-01_20250225	Total/NA	Water	365.2/365.3/365	
500-264513-13	MW-10_20250225	Total/NA	Water	365.2/365.3/365	
500-264513-15	NTC-01_20250225	Total/NA	Water	365.2/365.3/365	
500-264513-17	DUP-01-SW_20250225	Total/NA	Water	365.2/365.3/365	
MB 500-808573/1-A	Method Blank	Total/NA	Water	365.2/365.3/365	
LCS 500-808573/2-A	Lab Control Sample	Total/NA	Water	365.2/365.3/365	

Analysis Batch: 808596

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 500-808387/1-A	Method Blank	Total/NA	Water	335.4	808387
LCS 500-808387/2-A	Lab Control Sample	Total/NA	Water	335.4	808387

Analysis Batch: 808615

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264513-9	MLR-03_20250225	Total/NA	Water	SM 2320B	
500-264513-11	BNW-01_20250225	Total/NA	Water	SM 2320B	
500-264513-15	NTC-01_20250225	Total/NA	Water	SM 2320B	
500-264513-17	DUP-01-SW_20250225	Total/NA	Water	SM 2320B	
MB 500-808615/3	Method Blank	Total/NA	Water	SM 2320B	
LCS 500-808615/4	Lab Control Sample	Total/NA	Water	SM 2320B	

Prep Batch: 808710

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264513-11	BNW-01_20250225	Total/NA	Water	Distill/CN	
MB 500-808710/1-A	Method Blank	Total/NA	Water	Distill/CN	
LCS 500-808710/2-A	Lab Control Sample	Total/NA	Water	Distill/CN	

Analysis Batch: 808772

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264513-11	BNW-01_20250225	Total/NA	Water	335.4	808710
MB 500-808710/1-A	Method Blank	Total/NA	Water	335.4	808710
LCS 500-808710/2-A	Lab Control Sample	Total/NA	Water	335.4	808710

Analysis Batch: 808783

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264513-1	PRC-02_20250225	Total/NA	Water	SM 2320B	
500-264513-3	MW-2A_20250225	Total/NA	Water	SM 2320B	
500-264513-5	DUP-01-GW-20250225	Total/NA	Water	SM 2320B	
500-264513-7	MW-2B-20250225	Total/NA	Water	SM 2320B	
500-264513-13	MW-10_20250225	Total/NA	Water	SM 2320B	
LB 500-808783/7	Method Blank	Total/NA	Water	SM 2320B	
MB 500-808783/3	Method Blank	Total/NA	Water	SM 2320B	
LCS 500-808783/4	Lab Control Sample	Total/NA	Water	SM 2320B	

Analysis Batch: 808929

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264513-11	BNW-01_20250225	Total/NA	Water	365.1	808573
500-264513-13	MW-10_20250225	Total/NA	Water	365.1	808573
500-264513-15	NTC-01_20250225	Total/NA	Water	365.1	808573
500-264513-17	DUP-01-SW_20250225	Total/NA	Water	365.1	808573
MB 500-808573/1-A	Method Blank	Total/NA	Water	365.1	808573

General Chemistry (Continued)

Analysis Batch: 808929 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 500-808573/2-A	Lab Control Sample	Total/NA	Water	365.1	808573

Analysis Batch: 808954

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264513-1	PRC-02_20250225	Total/NA	Water	365.1	808572
500-264513-3	MW-2A_20250225	Total/NA	Water	365.1	808572
500-264513-5	DUP-01-GW-20250225	Total/NA	Water	365.1	808572
500-264513-7	MW-2B-20250225	Total/NA	Water	365.1	808572
500-264513-9	MLR-03_20250225	Total/NA	Water	365.1	808572
MB 500-808572/1-A	Method Blank	Total/NA	Water	365.1	808572
LCS 500-808572/2-A	Lab Control Sample	Total/NA	Water	365.1	808572

Analysis Batch: 809458

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264513-13	MW-10_20250225	Total/NA	Water	300.0	
MB 500-809458/35	Method Blank	Total/NA	Water	300.0	
LCS 500-809458/36	Lab Control Sample	Total/NA	Water	300.0	

Analysis Batch: 809478

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264513-1	PRC-02_20250225	Total/NA	Water	SM 5310C	
500-264513-3	MW-2A_20250225	Total/NA	Water	SM 5310C	
500-264513-5	DUP-01-GW-20250225	Total/NA	Water	SM 5310C	
500-264513-7	MW-2B-20250225	Total/NA	Water	SM 5310C	
500-264513-9	MLR-03_20250225	Total/NA	Water	SM 5310C	
500-264513-11	BNW-01_20250225	Total/NA	Water	SM 5310C	
500-264513-13	MW-10_20250225	Total/NA	Water	SM 5310C	
500-264513-15	NTC-01_20250225	Total/NA	Water	SM 5310C	
500-264513-17	DUP-01-SW_20250225	Total/NA	Water	SM 5310C	
MB 500-809478/7	Method Blank	Total/NA	Water	SM 5310C	
LCS 500-809478/8	Lab Control Sample	Total/NA	Water	SM 5310C	

Analysis Batch: 809480

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264513-1	PRC-02_20250225	Dissolved	Water	SM 5310C	
500-264513-3	MW-2A_20250225	Dissolved	Water	SM 5310C	
500-264513-5	DUP-01-GW-20250225	Dissolved	Water	SM 5310C	
500-264513-7	MW-2B-20250225	Dissolved	Water	SM 5310C	
500-264513-9	MLR-03_20250225	Dissolved	Water	SM 5310C	
500-264513-11	BNW-01_20250225	Dissolved	Water	SM 5310C	
500-264513-13	MW-10_20250225	Dissolved	Water	SM 5310C	
500-264513-15	NTC-01_20250225	Dissolved	Water	SM 5310C	
500-264513-17	DUP-01-SW_20250225	Dissolved	Water	SM 5310C	
MB 500-809480/31	Method Blank	Dissolved	Water	SM 5310C	
MB 500-809480/7	Method Blank	Dissolved	Water	SM 5310C	
LCS 500-809480/32	Lab Control Sample	Dissolved	Water	SM 5310C	
LCS 500-809480/8	Lab Control Sample	Dissolved	Water	SM 5310C	

Prep Batch: 809655

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264513-1	PRC-02_20250225	Total/NA	Water	Distill/Ammonia	

General Chemistry (Continued)

Prep Batch: 809655 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264513-3	MW-2A_20250225	Total/NA	Water	Distill/Ammonia	
500-264513-5	DUP-01-GW-20250225	Total/NA	Water	Distill/Ammonia	
500-264513-7	MW-2B-20250225	Total/NA	Water	Distill/Ammonia	
500-264513-9	MLR-03_20250225	Total/NA	Water	Distill/Ammonia	
500-264513-11	BNW-01_20250225	Total/NA	Water	Distill/Ammonia	
500-264513-13	MW-10_20250225	Total/NA	Water	Distill/Ammonia	
500-264513-15	NTC-01_20250225	Total/NA	Water	Distill/Ammonia	
500-264513-17	DUP-01-SW_20250225	Total/NA	Water	Distill/Ammonia	
MB 500-809655/1-A	Method Blank	Total/NA	Water	Distill/Ammonia	
LCS 500-809655/2-A	Lab Control Sample	Total/NA	Water	Distill/Ammonia	

Analysis Batch: 809874

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264513-1	PRC-02_20250225	Total/NA	Water	350.1	809655
500-264513-3	MW-2A_20250225	Total/NA	Water	350.1	809655
500-264513-5	DUP-01-GW-20250225	Total/NA	Water	350.1	809655
500-264513-7	MW-2B-20250225	Total/NA	Water	350.1	809655
500-264513-9	MLR-03_20250225	Total/NA	Water	350.1	809655
500-264513-11	BNW-01_20250225	Total/NA	Water	350.1	809655
500-264513-13	MW-10_20250225	Total/NA	Water	350.1	809655
500-264513-15	NTC-01_20250225	Total/NA	Water	350.1	809655
500-264513-17	DUP-01-SW_20250225	Total/NA	Water	350.1	809655
MB 500-809655/1-A	Method Blank	Total/NA	Water	350.1	809655
LCS 500-809655/2-A	Lab Control Sample	Total/NA	Water	350.1	809655

Analysis Batch: 810053

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264513-1	PRC-02_20250225	Total/NA	Water	SM 2520B	
500-264513-3	MW-2A_20250225	Total/NA	Water	SM 2520B	
500-264513-5	DUP-01-GW-20250225	Total/NA	Water	SM 2520B	
500-264513-7	MW-2B-20250225	Total/NA	Water	SM 2520B	
500-264513-9	MLR-03_20250225	Total/NA	Water	SM 2520B	
500-264513-11	BNW-01_20250225	Total/NA	Water	SM 2520B	
500-264513-13	MW-10_20250225	Total/NA	Water	SM 2520B	
500-264513-15	NTC-01_20250225	Total/NA	Water	SM 2520B	
500-264513-17	DUP-01-SW_20250225	Total/NA	Water	SM 2520B	

Method: 1630 - Methyl Mercury

Lab Sample ID: MB 350-5362/1-A
Matrix: Water
Analysis Batch: 5398

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 5362

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		03/05/25 12:50	03/05/25 18:47	1

Lab Sample ID: MB 350-5362/2-A
Matrix: Water
Analysis Batch: 5398

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 5362

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		03/05/25 12:50	03/05/25 18:57	1

Lab Sample ID: MB 350-5362/3-A
Matrix: Water
Analysis Batch: 5398

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 5362

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		03/05/25 12:50	03/05/25 19:07	1

Lab Sample ID: LCS 350-5362/4-A
Matrix: Water
Analysis Batch: 5398

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 5362

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Methyl Mercury	1.00	0.914		ng/L		91	65 - 135

Lab Sample ID: LCSD 350-5362/5-A
Matrix: Water
Analysis Batch: 5398

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 5362

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Methyl Mercury	1.00	0.949		ng/L		95	65 - 135	4	35

Lab Sample ID: MB 350-5531/1-A
Matrix: Water
Analysis Batch: 5564

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 5531

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	0.0245	J	0.050	0.022	ng/L		03/13/25 11:08	03/13/25 19:13	1

Lab Sample ID: MB 350-5531/2-A
Matrix: Water
Analysis Batch: 5564

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 5531

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		03/13/25 11:08	03/13/25 19:23	1

Lab Sample ID: MB 350-5531/3-A
Matrix: Water
Analysis Batch: 5564

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 5531

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		03/13/25 11:08	03/13/25 19:34	1

Method: 1630 - Methyl Mercury

Lab Sample ID: LCS 350-5531/4-A
Matrix: Water
Analysis Batch: 5564

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 5531

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Methyl Mercury			1.00	0.986		ng/L		99	65 - 135		

Lab Sample ID: LCSD 350-5531/5-A
Matrix: Water
Analysis Batch: 5564

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 5531

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Methyl Mercury			1.00	1.05		ng/L		105	65 - 135	6	35

Method: 1631E - Mercury, Low Level (CVAFS)

Lab Sample ID: MB 350-5360/25
Matrix: Water
Analysis Batch: 5360

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			03/04/25 13:29	1

Lab Sample ID: MB 350-5360/26
Matrix: Water
Analysis Batch: 5360

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			03/04/25 13:33	1

Lab Sample ID: MB 350-5360/27
Matrix: Water
Analysis Batch: 5360

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			03/04/25 13:37	1

Lab Sample ID: LCS 350-5360/32
Matrix: Water
Analysis Batch: 5360

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury			5.00	5.05		ng/L		101	77 - 123		

Lab Sample ID: LCSD 350-5360/35
Matrix: Water
Analysis Batch: 5360

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury			5.00	4.65		ng/L		93	77 - 123	8	24

Method: 1631E - Mercury, Low Level (CVAFS) (Continued)

Lab Sample ID: MB 350-5384/17
Matrix: Water
Analysis Batch: 5384

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			03/04/25 15:16	1

Lab Sample ID: MB 350-5384/18
Matrix: Water
Analysis Batch: 5384

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			03/04/25 15:20	1

Lab Sample ID: MB 350-5384/19
Matrix: Water
Analysis Batch: 5384

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			03/04/25 15:24	1

Lab Sample ID: LCS 350-5384/28
Matrix: Water
Analysis Batch: 5384

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	5.00	3.95		ng/L		79	77 - 123

Lab Sample ID: LCSD 350-5384/29
Matrix: Water
Analysis Batch: 5384

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	5.00	4.16		ng/L		83	77 - 123	5	24

Lab Sample ID: MB 350-5423/63
Matrix: Water
Analysis Batch: 5423

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			03/06/25 14:47	1

Lab Sample ID: MB 350-5423/64
Matrix: Water
Analysis Batch: 5423

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			03/06/25 14:51	1

Lab Sample ID: MB 350-5423/65
Matrix: Water
Analysis Batch: 5423

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			03/06/25 14:55	1

Method: 1631E - Mercury, Low Level (CVAFS)

Lab Sample ID: MB 350-5423/74
Matrix: Water
Analysis Batch: 5423

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			03/06/25 15:32	1

Lab Sample ID: MB 350-5423/75
Matrix: Water
Analysis Batch: 5423

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			03/06/25 15:37	1

Lab Sample ID: MB 350-5423/76
Matrix: Water
Analysis Batch: 5423

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			03/06/25 15:41	1

Lab Sample ID: LCS 350-5423/66
Matrix: Water
Analysis Batch: 5423

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	5.00	4.86		ng/L		97	77 - 123

Lab Sample ID: LCS 350-5423/77
Matrix: Water
Analysis Batch: 5423

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	5.00	4.64		ng/L		93	77 - 123

Lab Sample ID: LCSD 350-5423/67
Matrix: Water
Analysis Batch: 5423

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	5.00	4.81		ng/L		96	77 - 123	1	24

Lab Sample ID: LCSD 350-5423/78
Matrix: Water
Analysis Batch: 5423

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	5.00	4.48		ng/L		90	77 - 123	4	24

Method: 1638 - Metals (ICP/MS)

Lab Sample ID: MB 350-5412/1-A
Matrix: Water
Analysis Batch: 5461

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 5412

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	<0.0098		0.050	0.0098	ug/L		03/06/25 16:10	03/07/25 14:33	1

Lab Sample ID: MB 350-5412/2-A
Matrix: Water
Analysis Batch: 5461

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 5412

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	<0.0098		0.050	0.0098	ug/L		03/06/25 16:10	03/07/25 14:37	1

Lab Sample ID: LCS 350-5412/3-A
Matrix: Water
Analysis Batch: 5461

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 5412

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Uranium	25.0	23.7		ug/L		95	85 - 115

Lab Sample ID: LCSD 350-5412/4-A
Matrix: Water
Analysis Batch: 5461

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 5412

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Uranium	25.0	24.3		ug/L		97	85 - 115	2	20

Lab Sample ID: MB 350-5414/1-A
Matrix: Water
Analysis Batch: 5461

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 5414

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	<0.0098		0.050	0.0098	ug/L		03/06/25 16:10	03/07/25 16:46	1

Lab Sample ID: MB 350-5414/2-A
Matrix: Water
Analysis Batch: 5461

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 5414

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	<0.0098		0.050	0.0098	ug/L		03/06/25 16:10	03/07/25 16:49	1

Lab Sample ID: LCS 350-5414/3-A
Matrix: Water
Analysis Batch: 5461

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 5414

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Uranium	25.0	26.0		ug/L		104	85 - 115

Lab Sample ID: LCSD 350-5414/4-A
Matrix: Water
Analysis Batch: 5461

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 5414

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Uranium	25.0	26.0		ug/L		104	85 - 115	0	20

Method: 1638 - Metals (ICP/MS)

Lab Sample ID: MB 350-5549/1-A
Matrix: Water
Analysis Batch: 5599

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 5549

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	<0.0098		0.050	0.0098	ug/L		03/14/25 11:45	03/14/25 22:03	1

Lab Sample ID: MB 350-5549/2-A
Matrix: Water
Analysis Batch: 5599

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 5549

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	<0.0098		0.050	0.0098	ug/L		03/14/25 11:45	03/14/25 22:06	1

Lab Sample ID: LCS 350-5549/3-A
Matrix: Water
Analysis Batch: 5599

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 5549

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Uranium	25.0	23.7		ug/L		95	85 - 115

Lab Sample ID: LCSD 350-5549/4-A
Matrix: Water
Analysis Batch: 5599

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 5549

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Uranium	25.0	23.7		ug/L		95	85 - 115	0	20

Lab Sample ID: MB 350-5551/1-A
Matrix: Water
Analysis Batch: 5599

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 5551

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	<0.0098		0.050	0.0098	ug/L		03/14/25 11:45	03/15/25 00:02	1

Lab Sample ID: MB 350-5551/2-A
Matrix: Water
Analysis Batch: 5599

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 5551

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	<0.0098		0.050	0.0098	ug/L		03/14/25 11:45	03/15/25 00:05	1

Lab Sample ID: LCS 350-5551/3-A
Matrix: Water
Analysis Batch: 5599

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 5551

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Uranium	25.0	24.3		ug/L		97	85 - 115

Lab Sample ID: LCSD 350-5551/4-A
Matrix: Water
Analysis Batch: 5599

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 5551

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Uranium	25.0	24.4		ug/L		98	85 - 115	1	20

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 500-808815/1-A
Matrix: Water
Analysis Batch: 809902

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 808815

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<25		100	25	ug/L		03/06/25 08:12	03/13/25 16:53	1
Antimony	<1.3		3.0	1.3	ug/L		03/06/25 08:12	03/13/25 16:53	1
Arsenic	<0.23		1.0	0.23	ug/L		03/06/25 08:12	03/13/25 16:53	1
Barium	<0.73		2.5	0.73	ug/L		03/06/25 08:12	03/13/25 16:53	1
Beryllium	<0.53		1.0	0.53	ug/L		03/06/25 08:12	03/13/25 16:53	1
Cadmium	<0.17		0.50	0.17	ug/L		03/06/25 08:12	03/13/25 16:53	1
Chromium	<1.1		5.0	1.1	ug/L		03/06/25 08:12	03/13/25 16:53	1
Cobalt	<0.40		1.0	0.40	ug/L		03/06/25 08:12	03/13/25 16:53	1
Copper	<0.50		2.0	0.50	ug/L		03/06/25 08:12	03/13/25 16:53	1
Iron	<47		100	47	ug/L		03/06/25 08:12	03/13/25 16:53	1
Lead	<0.19		0.50	0.19	ug/L		03/06/25 08:12	03/13/25 16:53	1
Lithium	<2.5		10	2.5	ug/L		03/06/25 08:12	03/13/25 16:53	1
Magnesium	<49		200	49	ug/L		03/06/25 08:12	03/13/25 16:53	1
Manganese	<0.79		2.5	0.79	ug/L		03/06/25 08:12	03/13/25 16:53	1
Molybdenum	<2.5		5.0	2.5	ug/L		03/06/25 08:12	03/13/25 16:53	1
Nickel	<0.63		2.0	0.63	ug/L		03/06/25 08:12	03/13/25 16:53	1
Potassium	<110		500	110	ug/L		03/06/25 08:12	03/13/25 16:53	1
Selenium	<0.98		2.5	0.98	ug/L		03/06/25 08:12	03/13/25 16:53	1
Silver	<0.12		0.50	0.12	ug/L		03/06/25 08:12	03/13/25 16:53	1
Strontium	<0.64		4.0	0.64	ug/L		03/06/25 08:12	03/13/25 16:53	1
Thallium	<0.57		2.0	0.57	ug/L		03/06/25 08:12	03/13/25 16:53	1
Tin	<1.3		5.0	1.3	ug/L		03/06/25 08:12	03/13/25 16:53	1
Vanadium	<2.2		5.0	2.2	ug/L		03/06/25 08:12	03/13/25 16:53	1
Zinc	<6.9		20	6.9	ug/L		03/06/25 08:12	03/13/25 16:53	1

Lab Sample ID: MB 500-808815/1-A
Matrix: Water
Analysis Batch: 810217

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 808815

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	21.8	J	50	13	ug/L		03/06/25 08:12	03/17/25 14:10	1
Calcium	<44		200	44	ug/L		03/06/25 08:12	03/17/25 14:10	1
Sodium	<77		200	77	ug/L		03/06/25 08:12	03/17/25 14:10	1

Lab Sample ID: LCS 500-808815/2-A
Matrix: Water
Analysis Batch: 809902

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 808815

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	2000	1980		ug/L		99	80 - 120
Antimony	500	528		ug/L		106	80 - 120
Arsenic	100	101		ug/L		101	80 - 120
Barium	500	517		ug/L		103	80 - 120
Beryllium	50.0	48.9		ug/L		98	80 - 120
Cadmium	50.0	52.1		ug/L		104	80 - 120
Chromium	200	209		ug/L		105	80 - 120
Cobalt	500	543		ug/L		109	80 - 120
Copper	250	252		ug/L		101	80 - 120
Iron	1000	1090		ug/L		109	80 - 120

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 500-808815/2-A
Matrix: Water
Analysis Batch: 809902

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 808815

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Lead	100	107		ug/L		107	80 - 120
Lithium	100	99.9		ug/L		100	80 - 120
Magnesium	10000	10700		ug/L		107	80 - 120
Manganese	500	541		ug/L		108	80 - 120
Molybdenum	1000	1010		ug/L		101	80 - 120
Nickel	500	519		ug/L		104	80 - 120
Potassium	10000	10800		ug/L		108	80 - 120
Selenium	100	102		ug/L		102	80 - 120
Silver	50.0	53.5		ug/L		107	80 - 120
Strontium	1000	995		ug/L		99	80 - 120
Thallium	100	105		ug/L		105	80 - 120
Tin	1000	1040		ug/L		104	80 - 120
Vanadium	500	527		ug/L		105	80 - 120
Zinc	500	513		ug/L		103	80 - 120

Lab Sample ID: LCS 500-808815/2-A
Matrix: Water
Analysis Batch: 810217

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 808815

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	1000	1030		ug/L		103	80 - 120
Calcium	10000	8970		ug/L		90	80 - 120
Sodium	10000	10600		ug/L		106	80 - 120

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 500-807953/3
Matrix: Water
Analysis Batch: 807953

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	<0.45		1.0	0.45	mg/L			02/27/25 11:40	1
Chloride	<0.42		1.0	0.42	mg/L			02/27/25 11:40	1
Fluoride	<0.43		1.0	0.43	mg/L			02/27/25 11:40	1
Sulfate	<0.47		1.0	0.47	mg/L			02/27/25 11:40	1

Lab Sample ID: LCS 500-807953/4
Matrix: Water
Analysis Batch: 807953

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bromide	20.0	19.2		mg/L		96	90 - 110
Chloride	100	105		mg/L		105	90 - 110
Fluoride	20.0	19.6		mg/L		98	90 - 110
Sulfate	100	106		mg/L		106	90 - 110

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 500-264513-17 MS
Matrix: Water
Analysis Batch: 807953

Client Sample ID: DUP-01-SW_20250225
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Bromide	<0.45		10.0	10.8		mg/L		108	80 - 120
Chloride	17		10.0	28.6		mg/L		117	80 - 120
Fluoride	<0.43		10.0	11.2		mg/L		112	80 - 120
Sulfate	2.7		10.0	14.0		mg/L		113	80 - 120

Lab Sample ID: 500-264513-17 MSD
Matrix: Water
Analysis Batch: 807953

Client Sample ID: DUP-01-SW_20250225
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Bromide	<0.45		10.0	5.31	F1 F2	mg/L		53	80 - 120	68	20
Chloride	17		10.0	14.9	F1 F2	mg/L		-20	80 - 120	63	20
Fluoride	<0.43		10.0	5.30	F1 F2	mg/L		53	80 - 120	71	20
Sulfate	2.7		10.0	6.00	F1 F2	mg/L		33	80 - 120	80	20

Lab Sample ID: MB 500-807954/3
Matrix: Water
Analysis Batch: 807954

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	<0.37		1.0	0.37	mg/L			02/27/25 11:40	1
Nitrite as N	<0.25		1.0	0.25	mg/L			02/27/25 11:40	1
Nitrate Nitrite as N	<0.37		1.0	0.37	mg/L			02/27/25 11:40	1

Lab Sample ID: LCS 500-807954/4
Matrix: Water
Analysis Batch: 807954

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate as N	20.0	21.4		mg/L		107	90 - 110
Nitrite as N	20.0	20.8		mg/L		104	90 - 110
Nitrate Nitrite as N	40.0	42.2		mg/L		106	90 - 110

Lab Sample ID: 500-264513-17 MS
Matrix: Water
Analysis Batch: 807954

Client Sample ID: DUP-01-SW_20250225
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate as N	<0.37	F1 F2	2.26	2.82	F1	mg/L		125	80 - 120
Nitrite as N	<0.25	F2 F1	3.03	3.47		mg/L		115	80 - 120
Nitrate Nitrite as N	<0.37	F2 F1	5.29	6.29		mg/L		119	80 - 120

Lab Sample ID: 500-264513-17 MSD
Matrix: Water
Analysis Batch: 807954

Client Sample ID: DUP-01-SW_20250225
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrate as N	<0.37	F1 F2	2.26	1.40	F1 F2	mg/L		62	80 - 120	68	20
Nitrite as N	<0.25	F2 F1	3.03	1.70	F1 F2	mg/L		56	80 - 120	69	20
Nitrate Nitrite as N	<0.37	F2 F1	5.29	3.10	F1 F2	mg/L		59	80 - 120	68	20

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 500-809458/35
Matrix: Water
Analysis Batch: 809458

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.42		1.0	0.42	mg/L			03/11/25 21:51	1

Lab Sample ID: LCS 500-809458/36
Matrix: Water
Analysis Batch: 809458

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	20.0	19.5		mg/L		98	90 - 110

Method: 335.4 - Cyanide, Total

Lab Sample ID: MB 500-808349/1-A
Matrix: Water
Analysis Batch: 808442

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 808349

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.0036		0.0050	0.0036	mg/L		03/03/25 12:00	03/03/25 15:55	1

Lab Sample ID: LCS 500-808349/2-A
Matrix: Water
Analysis Batch: 808442

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 808349

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.100	0.0970		mg/L		97	90 - 110

Lab Sample ID: 500-264513-7 MS
Matrix: Water
Analysis Batch: 808442

Client Sample ID: MW-2B-20250225
Prep Type: Total/NA
Prep Batch: 808349

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	<0.0036		0.100	0.106		mg/L		106	90 - 110

Lab Sample ID: 500-264513-7 MSD
Matrix: Water
Analysis Batch: 808442

Client Sample ID: MW-2B-20250225
Prep Type: Total/NA
Prep Batch: 808349

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Cyanide, Total	<0.0036		0.100	0.100		mg/L		100	90 - 110	6	20

Lab Sample ID: MB 500-808387/1-A
Matrix: Water
Analysis Batch: 808596

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 808387

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.0036		0.0050	0.0036	mg/L		03/03/25 13:17	03/04/25 15:12	1

Method: 335.4 - Cyanide, Total (Continued)

Lab Sample ID: LCS 500-808387/2-A
Matrix: Water
Analysis Batch: 808596

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 808387

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.100	0.0900		mg/L		90	90 - 110

Lab Sample ID: MB 500-808710/1-A
Matrix: Water
Analysis Batch: 808772

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 808710

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.0036		0.0050	0.0036	mg/L		03/05/25 12:10	03/05/25 15:51	1

Lab Sample ID: LCS 500-808710/2-A
Matrix: Water
Analysis Batch: 808772

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 808710

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.100	0.0930		mg/L		93	90 - 110

Method: 350.1 - Nitrogen, Ammonia

Lab Sample ID: MB 500-809655/1-A
Matrix: Water
Analysis Batch: 809874

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 809655

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	<0.10		0.20	0.10	mg/L		03/12/25 14:13	03/13/25 17:21	1

Lab Sample ID: LCS 500-809655/2-A
Matrix: Water
Analysis Batch: 809874

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 809655

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ammonia	2.00	2.04		mg/L		102	90 - 110

Method: 365.1 - Phosphorus, Total

Lab Sample ID: MB 500-808572/1-A
Matrix: Water
Analysis Batch: 808954

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 808572

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phosphorus as P	<0.024		0.050	0.024	mg/L		03/05/25 07:50	03/06/25 14:06	1

Lab Sample ID: LCS 500-808572/2-A
Matrix: Water
Analysis Batch: 808954

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 808572

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Phosphorus as P	1.00	0.970		mg/L		97	88 - 123

Method: 365.1 - Phosphorus, Total (Continued)

Lab Sample ID: MB 500-808573/1-A
Matrix: Water
Analysis Batch: 808929

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 808573

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phosphorus as P	<0.024		0.050	0.024	mg/L		03/05/25 07:50	03/06/25 13:41	1

Lab Sample ID: LCS 500-808573/2-A
Matrix: Water
Analysis Batch: 808929

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 808573

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Phosphorus as P	1.00	0.964		mg/L		96	88 - 123

Method: SM 2320B - Alkalinity

Lab Sample ID: MB 500-808615/3
Matrix: Water
Analysis Batch: 808615

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	<3.7		5.0	3.7	mg/L			03/04/25 15:47	1
Bicarbonate Alkalinity as CaCO3	<3.7		5.0	3.7	mg/L			03/04/25 15:47	1
Carbonate Alkalinity as CaCO3	<3.7		5.0	3.7	mg/L			03/04/25 15:47	1

Lab Sample ID: LCS 500-808615/4
Matrix: Water
Analysis Batch: 808615

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Alkalinity	100	104		mg/L		104	95 - 121

Lab Sample ID: LB 500-808783/7
Matrix: Water
Analysis Batch: 808783

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	<3.7		5.0	3.7	mg/L			03/05/25 09:45	1
Bicarbonate Alkalinity as CaCO3	<3.7		5.0	3.7	mg/L			03/05/25 09:45	1
Carbonate Alkalinity as CaCO3	<3.7		5.0	3.7	mg/L			03/05/25 09:45	1

Lab Sample ID: MB 500-808783/3
Matrix: Water
Analysis Batch: 808783

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	<3.7		5.0	3.7	mg/L			03/05/25 09:13	1
Bicarbonate Alkalinity as CaCO3	<3.7		5.0	3.7	mg/L			03/05/25 09:13	1
Carbonate Alkalinity as CaCO3	<3.7		5.0	3.7	mg/L			03/05/25 09:13	1

Method: SM 2320B - Alkalinity (Continued)

Lab Sample ID: LCS 500-808783/4
Matrix: Water
Analysis Batch: 808783

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Alkalinity	100	105		mg/L		105	95 - 121

Method: SM 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 500-808359/1
Matrix: Water
Analysis Batch: 808359

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<4.3		10	4.3	mg/L			03/03/25 11:46	1

Lab Sample ID: LCS 500-808359/2
Matrix: Water
Analysis Batch: 808359

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	250	252		mg/L		101	80 - 120

Lab Sample ID: MB 500-808561/1
Matrix: Water
Analysis Batch: 808561

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<4.3		10	4.3	mg/L			03/04/25 12:58	1

Lab Sample ID: LCS 500-808561/2
Matrix: Water
Analysis Batch: 808561

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	250	252		mg/L		101	80 - 120

Method: SM 2540D - Solids, Total Suspended (TSS)

Lab Sample ID: MB 500-807937/1
Matrix: Water
Analysis Batch: 807937

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	<1.9		5.0	1.9	mg/L			02/27/25 11:23	1

Lab Sample ID: LCS 500-807937/2
Matrix: Water
Analysis Batch: 807937

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Suspended Solids	200	191		mg/L		96	80 - 120

Method: SM 2540D - Solids, Total Suspended (TSS) (Continued)

Lab Sample ID: 500-264513-11 DU
Matrix: Water
Analysis Batch: 807937

Client Sample ID: BNW-01_20250225
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Suspended Solids	3.2	J	2.80	J F5	mg/L		13	5

Method: SM 4500 S2 F - Sulfide, Total

Lab Sample ID: MB 500-808415/1
Matrix: Water
Analysis Batch: 808415

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	<0.23		1.0	0.23	mg/L			03/03/25 11:00	1

Lab Sample ID: LCS 500-808415/2
Matrix: Water
Analysis Batch: 808415

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfide	3.26	3.14		mg/L		96	85 - 115

Method: SM 5310C - TOC

Lab Sample ID: MB 500-809478/7
Matrix: Water
Analysis Batch: 809478

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	<0.47		1.0	0.47	mg/L			03/10/25 12:18	1

Lab Sample ID: LCS 500-809478/8
Matrix: Water
Analysis Batch: 809478

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Organic Carbon	10.0	9.79		mg/L		98	86 - 116

Method: SM 5310C - Organic Carbon, Dissolved (DOC)

Lab Sample ID: MB 500-809480/31
Matrix: Water
Analysis Batch: 809480

Client Sample ID: Method Blank
Prep Type: Dissolved

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon	<0.47		1.0	0.47	mg/L			03/11/25 12:29	1

Lab Sample ID: MB 500-809480/7
Matrix: Water
Analysis Batch: 809480

Client Sample ID: Method Blank
Prep Type: Dissolved

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon	<0.47		1.0	0.47	mg/L			03/11/25 12:29	1

Method: SM 5310C - Organic Carbon, Dissolved (DOC) (Continued)

Lab Sample ID: LCS 500-809480/32
Matrix: Water
Analysis Batch: 809480

Client Sample ID: Lab Control Sample
Prep Type: Dissolved

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Dissolved Organic Carbon	10.0	10.0		mg/L		100	86 - 116

Lab Sample ID: LCS 500-809480/8
Matrix: Water
Analysis Batch: 809480

Client Sample ID: Lab Control Sample
Prep Type: Dissolved

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Dissolved Organic Carbon	10.0	9.79		mg/L		98	86 - 116

Lab Chronicle

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264513-1

Client Sample ID: PRC-02_20250225

Lab Sample ID: 500-264513-1

Date Collected: 02/25/25 09:45

Matrix: Water

Date Received: 02/27/25 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	1630			5531	AJD	EET SSM	03/13/25 11:08
Dissolved	Analysis	1630		1	5564	COW	EET SSM	03/13/25 23:08
Total/NA	Prep	1630			5531	AJD	EET SSM	03/13/25 11:08
Total/NA	Analysis	1630		1	5564	COW	EET SSM	03/13/25 22:57
Dissolved	Analysis	1631E		1	5384	AJD	EET SSM	03/04/25 16:55
Total/NA	Analysis	1631E		1	5384	AJD	EET SSM	03/04/25 16:51
Dissolved	Prep	1638			5549	V1R	EET SSM	03/14/25 11:45
Dissolved	Analysis	1638		1	5599	V1R	EET SSM	03/14/25 23:09
Total Recoverable	Prep	1638			5551	V1R	EET SSM	03/14/25 11:45
Total Recoverable	Analysis	1638		1	5599	V1R	EET SSM	03/15/25 01:08
Dissolved	Prep	3005A			808815	BDE	EET CHI	03/06/25 08:12 - 03/06/25 14:12 [1]
Dissolved	Analysis	6020B		1	809902	RN	EET CHI	03/13/25 17:27
Dissolved	Prep	3005A			808815	BDE	EET CHI	03/06/25 08:12 - 03/06/25 14:12 [1]
Dissolved	Analysis	6020B		1	810217	RN	EET CHI	03/17/25 14:44
Total Recoverable	Prep	3005A			808815	BDE	EET CHI	03/06/25 08:12 - 03/06/25 14:12 [1]
Total Recoverable	Analysis	6020B		1	809902	RN	EET CHI	03/13/25 16:58
Total Recoverable	Prep	3005A			808815	BDE	EET CHI	03/06/25 08:12 - 03/06/25 14:12 [1]
Total Recoverable	Analysis	6020B		1	810217	RN	EET CHI	03/17/25 14:21
Total Recoverable	Prep	3005A			808815	BDE	EET CHI	03/06/25 08:12 - 03/06/25 14:12 [1]
Total Recoverable	Analysis	SM 2340B		1	809911	DAJ	EET CHI	03/14/25 08:54
Total/NA	Analysis	300.0		1	807953	MM	EET CHI	03/01/25 09:34
Total/NA	Analysis	300.0		1	807954	MM	EET CHI	03/01/25 09:34
Total/NA	Prep	Distill/CN			808349	AC	EET CHI	03/03/25 12:00 - 03/03/25 12:30 [1]
Total/NA	Analysis	335.4		1	808442	AC	EET CHI	03/03/25 16:12
Total/NA	Prep	Distill/Ammonia			809655	EB	EET CHI	03/12/25 14:13 - 03/12/25 15:13 [1]
Total/NA	Analysis	350.1		1	809874	EB	EET CHI	03/13/25 17:31
Total/NA	Prep	365.2/365.3/365			808572	MF	EET CHI	03/05/25 07:50 - 03/05/25 11:50 [1]
Total/NA	Analysis	365.1		1	808954	KF	EET CHI	03/06/25 14:15
Total/NA	Analysis	SM 2320B		1	808783	AC	EET CHI	03/05/25 10:52
Total/NA	Analysis	SM 2520B		1	810053	AC	EET CHI	03/17/25 07:38
Total/NA	Analysis	SM 2540C		1	808359	SO	EET CHI	03/03/25 12:19
Total/NA	Analysis	SM 2540D		1	807937	SO	EET CHI	02/27/25 12:18 - 02/27/25 12:21 [1]
Total/NA	Analysis	SM 4500 S2 F		1	808415	TR	EET CHI	03/03/25 12:00 - 03/03/25 12:03 [1]
Dissolved	Analysis	SM 5310C		1	809480	TR	EET CHI	03/11/25 12:29
Total/NA	Analysis	SM 5310C		1	809478	TR	EET CHI	03/10/25 13:55

Client Sample ID: PRC-02_20250225_FBLL

Lab Sample ID: 500-264513-2

Date Collected: 02/25/25 09:45

Matrix: Water

Date Received: 02/27/25 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	1631E		1	5384	AJD	EET SSM	03/04/25 16:59

Lab Chronicle

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264513-1

Client Sample ID: MW-2A_20250225

Lab Sample ID: 500-264513-3

Date Collected: 02/25/25 11:00

Matrix: Water

Date Received: 02/27/25 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	1630			5531	AJD	EET SSM	03/13/25 11:08
Dissolved	Analysis	1630		1	5564	COW	EET SSM	03/13/25 23:28
Total/NA	Prep	1630			5531	AJD	EET SSM	03/13/25 11:08
Total/NA	Analysis	1630		1	5564	COW	EET SSM	03/13/25 23:18
Dissolved	Analysis	1631E		1	5384	AJD	EET SSM	03/04/25 17:08
Total/NA	Analysis	1631E		1	5384	AJD	EET SSM	03/04/25 17:03
Dissolved	Prep	1638			5549	V1R	EET SSM	03/14/25 11:45
Dissolved	Analysis	1638		1	5599	V1R	EET SSM	03/14/25 23:13
Total Recoverable	Prep	1638			5551	V1R	EET SSM	03/14/25 11:45
Total Recoverable	Analysis	1638		1	5599	V1R	EET SSM	03/15/25 01:12
Dissolved	Prep	3005A			808815	BDE	EET CHI	03/06/25 08:12 - 03/06/25 14:12 [1]
Dissolved	Analysis	6020B		1	809902	RN	EET CHI	03/13/25 17:30
Dissolved	Prep	3005A			808815	BDE	EET CHI	03/06/25 08:12 - 03/06/25 14:12 [1]
Dissolved	Analysis	6020B		1	810217	RN	EET CHI	03/17/25 14:52
Total Recoverable	Prep	3005A			808815	BDE	EET CHI	03/06/25 08:12 - 03/06/25 14:12 [1]
Total Recoverable	Analysis	6020B		1	809902	RN	EET CHI	03/13/25 17:00
Total Recoverable	Prep	3005A			808815	BDE	EET CHI	03/06/25 08:12 - 03/06/25 14:12 [1]
Total Recoverable	Analysis	6020B		1	810217	RN	EET CHI	03/17/25 14:25
Total Recoverable	Prep	3005A			808815	BDE	EET CHI	03/06/25 08:12 - 03/06/25 14:12 [1]
Total Recoverable	Analysis	SM 2340B		1	809911	DAJ	EET CHI	03/14/25 08:54
Total/NA	Analysis	300.0		1	807953	MM	EET CHI	02/27/25 12:26
Total/NA	Analysis	300.0		1	807954	MM	EET CHI	02/27/25 12:26
Total/NA	Prep	Distill/CN			808349	AC	EET CHI	03/03/25 12:00 - 03/03/25 12:30 [1]
Total/NA	Analysis	335.4		1	808442	AC	EET CHI	03/03/25 16:12
Total/NA	Prep	Distill/Ammonia			809655	EB	EET CHI	03/12/25 14:13 - 03/12/25 15:13 [1]
Total/NA	Analysis	350.1		1	809874	EB	EET CHI	03/13/25 17:32
Total/NA	Prep	365.2/365.3/365			808572	MF	EET CHI	03/05/25 07:50 - 03/05/25 11:50 [1]
Total/NA	Analysis	365.1		1	808954	KF	EET CHI	03/06/25 14:16
Total/NA	Analysis	SM 2320B		1	808783	AC	EET CHI	03/05/25 11:01
Total/NA	Analysis	SM 2520B		1	810053	AC	EET CHI	03/17/25 07:38
Total/NA	Analysis	SM 2540C		1	808359	SO	EET CHI	03/03/25 12:20
Total/NA	Analysis	SM 2540D		1	807937	SO	EET CHI	02/27/25 12:21 - 02/27/25 12:25 [1]
Total/NA	Analysis	SM 4500 S2 F		1	808415	TR	EET CHI	03/03/25 11:22 - 03/03/25 11:26 [1]
Dissolved	Analysis	SM 5310C		1	809480	TR	EET CHI	03/11/25 12:29
Total/NA	Analysis	SM 5310C		1	809478	TR	EET CHI	03/10/25 14:27

Client Sample ID: MW-2A_20250225_FBLL

Lab Sample ID: 500-264513-4

Date Collected: 02/25/25 11:00

Matrix: Water

Date Received: 02/27/25 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	1631E		1	5423	D1C	EET SSM	03/06/25 18:14

Client Sample ID: DUP-01-GW-20250225

Lab Sample ID: 500-264513-5

Date Collected: 02/25/25 23:59

Matrix: Water

Date Received: 02/27/25 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	1630			5531	AJD	EET SSM	03/13/25 11:08
Dissolved	Analysis	1630		1	5564	COW	EET SSM	03/14/25 00:09
Total/NA	Prep	1630			5531	AJD	EET SSM	03/13/25 11:08
Total/NA	Analysis	1630		1	5564	COW	EET SSM	03/13/25 23:59
Dissolved	Analysis	1631E		1	5423	D1C	EET SSM	03/06/25 18:23
Total/NA	Analysis	1631E		1	5423	D1C	EET SSM	03/06/25 18:18
Dissolved	Prep	1638			5549	V1R	EET SSM	03/14/25 11:45
Dissolved	Analysis	1638		1	5599	V1R	EET SSM	03/14/25 23:16
Total Recoverable	Prep	1638			5551	V1R	EET SSM	03/14/25 11:45
Total Recoverable	Analysis	1638		1	5599	V1R	EET SSM	03/15/25 01:15
Dissolved	Prep	3005A			808815	BDE	EET CHI	03/06/25 08:12 - 03/06/25 14:12 [1]
Dissolved	Analysis	6020B		1	809902	RN	EET CHI	03/13/25 17:32
Dissolved	Prep	3005A			808815	BDE	EET CHI	03/06/25 08:12 - 03/06/25 14:12 [1]
Dissolved	Analysis	6020B		1	810217	RN	EET CHI	03/17/25 14:54
Total Recoverable	Prep	3005A			808815	BDE	EET CHI	03/06/25 08:12 - 03/06/25 14:12 [1]
Total Recoverable	Analysis	6020B		1	809902	RN	EET CHI	03/13/25 17:07
Total Recoverable	Prep	3005A			808815	BDE	EET CHI	03/06/25 08:12 - 03/06/25 14:12 [1]
Total Recoverable	Analysis	6020B		1	810217	RN	EET CHI	03/17/25 14:27
Total Recoverable	Prep	3005A			808815	BDE	EET CHI	03/06/25 08:12 - 03/06/25 14:12 [1]
Total Recoverable	Analysis	SM 2340B		1	809911	DAJ	EET CHI	03/14/25 08:54
Total/NA	Analysis	300.0		1	807953	MM	EET CHI	02/28/25 19:04
Total/NA	Analysis	300.0		1	807954	MM	EET CHI	02/28/25 19:04
Total/NA	Prep	Distill/CN			808349	AC	EET CHI	03/03/25 12:00 - 03/03/25 12:30 [1]
Total/NA	Analysis	335.4		1	808442	AC	EET CHI	03/03/25 16:14
Total/NA	Prep	Distill/Ammonia			809655	EB	EET CHI	03/12/25 14:13 - 03/12/25 15:13 [1]
Total/NA	Analysis	350.1		1	809874	EB	EET CHI	03/13/25 17:33
Total/NA	Prep	365.2/365.3/365			808572	MF	EET CHI	03/05/25 07:50 - 03/05/25 11:50 [1]
Total/NA	Analysis	365.1		1	808954	KF	EET CHI	03/06/25 14:16
Total/NA	Analysis	SM 2320B		1	808783	AC	EET CHI	03/05/25 10:41
Total/NA	Analysis	SM 2520B		1	810053	AC	EET CHI	03/17/25 07:38
Total/NA	Analysis	SM 2540C		1	808359	SO	EET CHI	03/03/25 12:22
Total/NA	Analysis	SM 2540D		1	807937	SO	EET CHI	02/27/25 12:25 - 02/27/25 12:29 [1]
Total/NA	Analysis	SM 4500 S2 F		1	808415	TR	EET CHI	03/03/25 11:48 - 03/03/25 11:52 [1]
Dissolved	Analysis	SM 5310C		1	809480	TR	EET CHI	03/11/25 12:29
Total/NA	Analysis	SM 5310C		1	809478	TR	EET CHI	03/10/25 14:59

Client Sample ID: DUP-01-GW-20250225_FBLL

Lab Sample ID: 500-264513-6

Date Collected: 02/25/25 23:59

Matrix: Water

Date Received: 02/27/25 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	1631E		1	5423	D1C	EET SSM	03/06/25 18:27

Lab Chronicle

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264513-1

Client Sample ID: MW-2B-20250225

Lab Sample ID: 500-264513-7

Date Collected: 02/25/25 13:15

Matrix: Water

Date Received: 02/27/25 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	1630			5531	AJD	EET SSM	03/13/25 11:08
Dissolved	Analysis	1630		1	5564	COW	EET SSM	03/14/25 00:29
Total/NA	Prep	1630			5531	AJD	EET SSM	03/13/25 11:08
Total/NA	Analysis	1630		1	5564	COW	EET SSM	03/14/25 00:19
Dissolved	Analysis	1631E		1	5423	D1C	EET SSM	03/06/25 18:43
Total/NA	Analysis	1631E		1	5423	D1C	EET SSM	03/06/25 18:39
Dissolved	Prep	1638			5549	V1R	EET SSM	03/14/25 11:45
Dissolved	Analysis	1638		1	5599	V1R	EET SSM	03/14/25 23:27
Total Recoverable	Prep	1638			5551	V1R	EET SSM	03/14/25 11:45
Total Recoverable	Analysis	1638		1	5599	V1R	EET SSM	03/15/25 01:26
Dissolved	Prep	3005A			808815	BDE	EET CHI	03/06/25 08:12 - 03/06/25 14:12 [1]
Dissolved	Analysis	6020B		1	809902	RN	EET CHI	03/13/25 17:40
Dissolved	Prep	3005A			808815	BDE	EET CHI	03/06/25 08:12 - 03/06/25 14:12 [1]
Dissolved	Analysis	6020B		1	810217	RN	EET CHI	03/17/25 14:56
Total Recoverable	Prep	3005A			808815	BDE	EET CHI	03/06/25 08:12 - 03/06/25 14:12 [1]
Total Recoverable	Analysis	6020B		1	809902	RN	EET CHI	03/13/25 17:10
Total Recoverable	Prep	3005A			808815	BDE	EET CHI	03/06/25 08:12 - 03/06/25 14:12 [1]
Total Recoverable	Analysis	6020B		1	810217	RN	EET CHI	03/17/25 14:30
Total Recoverable	Prep	3005A			808815	BDE	EET CHI	03/06/25 08:12 - 03/06/25 14:12 [1]
Total Recoverable	Analysis	SM 2340B		1	809911	DAJ	EET CHI	03/14/25 08:54
Total/NA	Analysis	300.0		1	807953	MM	EET CHI	02/27/25 12:11
Total/NA	Analysis	300.0		1	807954	MM	EET CHI	02/27/25 12:11
Total/NA	Prep	Distill/CN			808349	AC	EET CHI	03/03/25 12:00 - 03/03/25 12:30 [1]
Total/NA	Analysis	335.4		1	808442	AC	EET CHI	03/03/25 16:14
Total/NA	Prep	Distill/Ammonia			809655	EB	EET CHI	03/12/25 14:13 - 03/12/25 15:13 [1]
Total/NA	Analysis	350.1		1	809874	EB	EET CHI	03/13/25 17:34
Total/NA	Prep	365.2/365.3/365			808572	MF	EET CHI	03/05/25 07:50 - 03/05/25 11:50 [1]
Total/NA	Analysis	365.1		1	808954	KF	EET CHI	03/06/25 14:16
Total/NA	Analysis	SM 2320B		1	808783	AC	EET CHI	03/05/25 10:28
Total/NA	Analysis	SM 2520B		1	810053	AC	EET CHI	03/17/25 07:38
Total/NA	Analysis	SM 2540C		1	808359	SO	EET CHI	03/03/25 12:24
Total/NA	Analysis	SM 2540D		1	807937	SO	EET CHI	02/27/25 12:29 - 02/27/25 12:32 [1]
Total/NA	Analysis	SM 4500 S2 F		1	808415	TR	EET CHI	03/03/25 12:22 - 03/03/25 12:26 [1]
Dissolved	Analysis	SM 5310C		1	809480	TR	EET CHI	03/11/25 12:29
Total/NA	Analysis	SM 5310C		1	809478	TR	EET CHI	03/10/25 15:32

Client Sample ID: MW-2B-20250225_FBLL

Lab Sample ID: 500-264513-8

Date Collected: 02/25/25 13:15

Matrix: Water

Date Received: 02/27/25 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	1631E		1	5423	D1C	EET SSM	03/06/25 18:48

Lab Chronicle

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264513-1

Client Sample ID: MLR-03_20250225

Lab Sample ID: 500-264513-9

Date Collected: 02/25/25 13:45

Matrix: Water

Date Received: 02/27/25 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	1630			5531	AJD	EET SSM	03/13/25 11:08
Dissolved	Analysis	1630		1	5564	COW	EET SSM	03/14/25 00:50
Total/NA	Prep	1630			5531	AJD	EET SSM	03/13/25 11:08
Total/NA	Analysis	1630		1	5564	COW	EET SSM	03/14/25 00:39
Dissolved	Analysis	1631E		1	5423	D1C	EET SSM	03/06/25 18:56
Total/NA	Analysis	1631E		1	5423	D1C	EET SSM	03/06/25 18:52
Dissolved	Prep	1638			5412	V1R	EET SSM	03/06/25 16:10
Dissolved	Analysis	1638		1	5461	V1R	EET SSM	03/07/25 15:46
Total Recoverable	Prep	1638			5414	V1R	EET SSM	03/06/25 16:10
Total Recoverable	Analysis	1638		1	5461	V1R	EET SSM	03/07/25 17:56
Dissolved	Prep	3005A			808815	BDE	EET CHI	03/06/25 08:12 - 03/06/25 14:12 [1]
Dissolved	Analysis	6020B		1	809902	RN	EET CHI	03/13/25 17:42
Dissolved	Prep	3005A			808815	BDE	EET CHI	03/06/25 08:12 - 03/06/25 14:12 [1]
Dissolved	Analysis	6020B		1	810217	RN	EET CHI	03/17/25 14:59
Total Recoverable	Prep	3005A			808815	BDE	EET CHI	03/06/25 08:12 - 03/06/25 14:12 [1]
Total Recoverable	Analysis	6020B		1	809902	RN	EET CHI	03/13/25 17:12
Total Recoverable	Prep	3005A			808815	BDE	EET CHI	03/06/25 08:12 - 03/06/25 14:12 [1]
Total Recoverable	Analysis	6020B		1	810217	RN	EET CHI	03/17/25 14:32
Total Recoverable	Prep	3005A			808815	BDE	EET CHI	03/06/25 08:12 - 03/06/25 14:12 [1]
Total Recoverable	Analysis	SM 2340B		1	809911	DAJ	EET CHI	03/14/25 08:54
Total/NA	Analysis	300.0		1	807953	MM	EET CHI	02/28/25 19:19
Total/NA	Analysis	300.0		1	807954	MM	EET CHI	02/28/25 19:19
Total/NA	Prep	Distill/CN			808349	AC	EET CHI	03/03/25 12:00 - 03/03/25 12:30 [1]
Total/NA	Analysis	335.4		1	808442	AC	EET CHI	03/03/25 16:16
Total/NA	Prep	Distill/Ammonia			809655	EB	EET CHI	03/12/25 14:13 - 03/12/25 15:13 [1]
Total/NA	Analysis	350.1		1	809874	EB	EET CHI	03/13/25 17:35
Total/NA	Prep	365.2/365.3/365			808572	MF	EET CHI	03/05/25 07:50 - 03/05/25 11:50 [1]
Total/NA	Analysis	365.1		1	808954	KF	EET CHI	03/06/25 14:17
Total/NA	Analysis	SM 2320B		1	808615	AC	EET CHI	03/04/25 18:31
Total/NA	Analysis	SM 2520B		1	810053	AC	EET CHI	03/17/25 07:38
Total/NA	Analysis	SM 2540C		1	808359	SO	EET CHI	03/03/25 12:26
Total/NA	Analysis	SM 2540D		1	807937	SO	EET CHI	02/27/25 12:32 - 02/27/25 12:36 [1]
Total/NA	Analysis	SM 4500 S2 F		1	808415	TR	EET CHI	03/03/25 11:26 - 03/03/25 11:30 [1]
Dissolved	Analysis	SM 5310C		1	809480	TR	EET CHI	03/11/25 12:29
Total/NA	Analysis	SM 5310C		1	809478	TR	EET CHI	03/10/25 16:04

Client Sample ID: MLR-03_20250225_FBLL

Lab Sample ID: 500-264513-10

Date Collected: 02/25/25 13:45

Matrix: Water

Date Received: 02/27/25 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	1631E		1	5423	D1C	EET SSM	03/06/25 19:00

Lab Chronicle

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264513-1

Client Sample ID: BNW-01_20250225

Lab Sample ID: 500-264513-11

Date Collected: 02/25/25 15:00

Matrix: Water

Date Received: 02/27/25 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	1630			5531	AJD	EET SSM	03/13/25 11:08
Dissolved	Analysis	1630		1	5564	COW	EET SSM	03/14/25 01:10
Total/NA	Prep	1630			5531	AJD	EET SSM	03/13/25 11:08
Total/NA	Analysis	1630		1	5564	COW	EET SSM	03/14/25 01:00
Dissolved	Analysis	1631E		1	5423	D1C	EET SSM	03/06/25 19:08
Total/NA	Analysis	1631E		1	5423	D1C	EET SSM	03/06/25 19:04
Dissolved	Prep	1638			5412	V1R	EET SSM	03/06/25 16:10
Dissolved	Analysis	1638		1	5461	V1R	EET SSM	03/07/25 15:57
Total Recoverable	Prep	1638			5414	V1R	EET SSM	03/06/25 16:10
Total Recoverable	Analysis	1638		1	5461	V1R	EET SSM	03/07/25 17:59
Dissolved	Prep	3005A			808815	BDE	EET CHI	03/06/25 08:12 - 03/06/25 14:12 [1]
Dissolved	Analysis	6020B		1	809902	RN	EET CHI	03/13/25 17:44
Dissolved	Prep	3005A			808815	BDE	EET CHI	03/06/25 08:12 - 03/06/25 14:12 [1]
Dissolved	Analysis	6020B		1	810217	RN	EET CHI	03/17/25 15:01
Total Recoverable	Prep	3005A			808815	BDE	EET CHI	03/06/25 08:12 - 03/06/25 14:12 [1]
Total Recoverable	Analysis	6020B		1	809902	RN	EET CHI	03/13/25 17:15
Total Recoverable	Prep	3005A			808815	BDE	EET CHI	03/06/25 08:12 - 03/06/25 14:12 [1]
Total Recoverable	Analysis	6020B		1	810217	RN	EET CHI	03/17/25 14:35
Total Recoverable	Prep	3005A			808815	BDE	EET CHI	03/06/25 08:12 - 03/06/25 14:12 [1]
Total Recoverable	Analysis	SM 2340B		1	809911	DAJ	EET CHI	03/14/25 08:54
Total/NA	Analysis	300.0		1	807953	MM	EET CHI	02/28/25 19:34
Total/NA	Analysis	300.0		1	807954	MM	EET CHI	02/28/25 19:34
Total/NA	Prep	Distill/CN			808710	AC	EET CHI	03/05/25 12:10 - 03/05/25 12:40 [1]
Total/NA	Analysis	335.4		1	808772	AC	EET CHI	03/05/25 15:53
Total/NA	Prep	Distill/Ammonia			809655	EB	EET CHI	03/12/25 14:13 - 03/12/25 15:13 [1]
Total/NA	Analysis	350.1		1	809874	EB	EET CHI	03/13/25 17:36
Total/NA	Prep	365.2/365.3/365			808573	MF	EET CHI	03/05/25 07:50 - 03/05/25 11:50 [1]
Total/NA	Analysis	365.1		1	808929	KF	EET CHI	03/06/25 13:42
Total/NA	Analysis	SM 2320B		1	808615	AC	EET CHI	03/04/25 18:41
Total/NA	Analysis	SM 2520B		1	810053	AC	EET CHI	03/17/25 07:38
Total/NA	Analysis	SM 2540C		1	808561	SO	EET CHI	03/04/25 13:02
Total/NA	Analysis	SM 2540D		1	807937	SO	EET CHI	02/27/25 12:36 - 02/27/25 12:40 [1]
Total/NA	Analysis	SM 4500 S2 F		1	808415	TR	EET CHI	03/03/25 12:26 - 03/03/25 12:30 [1]
Dissolved	Analysis	SM 5310C		1	809480	TR	EET CHI	03/11/25 12:29
Total/NA	Analysis	SM 5310C		1	809478	TR	EET CHI	03/10/25 16:36

Client Sample ID: BNW-01_20250225_FBLL

Lab Sample ID: 500-264513-12

Date Collected: 02/25/25 15:00

Matrix: Water

Date Received: 02/27/25 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	1631E		1	5423	D1C	EET SSM	03/06/25 19:12

Client Sample ID: MW-10_20250225

Lab Sample ID: 500-264513-13

Date Collected: 02/25/25 17:15

Matrix: Water

Date Received: 02/27/25 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	1630			5531	AJD	EET SSM	03/13/25 11:08
Dissolved	Analysis	1630		1	5564	COW	EET SSM	03/14/25 01:30
Total/NA	Prep	1630			5531	AJD	EET SSM	03/13/25 11:08
Total/NA	Analysis	1630		1	5564	COW	EET SSM	03/14/25 01:20
Dissolved	Analysis	1631E		1	5423	D1C	EET SSM	03/06/25 19:29
Total/NA	Analysis	1631E		1	5423	D1C	EET SSM	03/06/25 19:17
Dissolved	Prep	1638			5412	V1R	EET SSM	03/06/25 16:10
Dissolved	Analysis	1638		1	5461	V1R	EET SSM	03/07/25 16:00
Total Recoverable	Prep	1638			5414	V1R	EET SSM	03/06/25 16:10
Total Recoverable	Analysis	1638		1	5461	V1R	EET SSM	03/07/25 18:10
Dissolved	Prep	3005A			808815	BDE	EET CHI	03/06/25 08:12 - 03/06/25 14:12 [1]
Dissolved	Analysis	6020B		1	809902	RN	EET CHI	03/13/25 17:47
Dissolved	Prep	3005A			808815	BDE	EET CHI	03/06/25 08:12 - 03/06/25 14:12 [1]
Dissolved	Analysis	6020B		1	810217	RN	EET CHI	03/17/25 15:04
Total Recoverable	Prep	3005A			808815	BDE	EET CHI	03/06/25 08:12 - 03/06/25 14:12 [1]
Total Recoverable	Analysis	6020B		1	809902	RN	EET CHI	03/13/25 17:17
Total Recoverable	Prep	3005A			808815	BDE	EET CHI	03/06/25 08:12 - 03/06/25 14:12 [1]
Total Recoverable	Analysis	6020B		1	810217	RN	EET CHI	03/17/25 14:37
Total Recoverable	Prep	3005A			808815	BDE	EET CHI	03/06/25 08:12 - 03/06/25 14:12 [1]
Total Recoverable	Analysis	SM 2340B		1	809911	DAJ	EET CHI	03/14/25 08:54
Total/NA	Analysis	300.0		20	809458	MM	EET CHI	03/12/25 01:14
Total/NA	Analysis	300.0		1	807953	MM	EET CHI	02/28/25 19:50
Total/NA	Analysis	300.0		1	807954	MM	EET CHI	02/28/25 19:50
Total/NA	Prep	Distill/CN			808349	AC	EET CHI	03/03/25 12:00 - 03/03/25 12:30 [1]
Total/NA	Analysis	335.4		1	808442	AC	EET CHI	03/03/25 16:17
Total/NA	Prep	Distill/Ammonia			809655	EB	EET CHI	03/12/25 14:13 - 03/12/25 15:13 [1]
Total/NA	Analysis	350.1		1	809874	EB	EET CHI	03/13/25 17:37
Total/NA	Prep	365.2/365.3/365			808573	MF	EET CHI	03/05/25 07:50 - 03/05/25 11:50 [1]
Total/NA	Analysis	365.1		1	808929	KF	EET CHI	03/06/25 13:42
Total/NA	Analysis	SM 2320B		1	808783	AC	EET CHI	03/05/25 10:17
Total/NA	Analysis	SM 2520B		1	810053	AC	EET CHI	03/17/25 07:38
Total/NA	Analysis	SM 2540C		1	808561	SO	EET CHI	03/04/25 13:04
Total/NA	Analysis	SM 2540D		1	807937	SO	EET CHI	02/27/25 12:43 - 02/27/25 12:47 [1]
Total/NA	Analysis	SM 4500 S2 F		1	808415	TR	EET CHI	03/03/25 12:18 - 03/03/25 12:22 [1]
Dissolved	Analysis	SM 5310C		1	809480	TR	EET CHI	03/11/25 12:29
Total/NA	Analysis	SM 5310C		1	809478	TR	EET CHI	03/10/25 17:09

Client Sample ID: MW-10_20250225_FBLL

Lab Sample ID: 500-264513-14

Date Collected: 02/25/25 17:15

Matrix: Water

Date Received: 02/27/25 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	1631E		1	5360	AJD	EET SSM	03/04/25 18:57

Lab Chronicle

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264513-1

Client Sample ID: NTC-01_20250225

Lab Sample ID: 500-264513-15

Date Collected: 02/25/25 16:00

Matrix: Water

Date Received: 02/27/25 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	1630			5362	AJD	EET SSM	03/05/25 12:50
Dissolved	Analysis	1630		1	5398	COW	EET SSM	03/05/25 22:51
Total/NA	Prep	1630			5362	AJD	EET SSM	03/05/25 12:50
Total/NA	Analysis	1630		1	5398	COW	EET SSM	03/05/25 22:41
Dissolved	Analysis	1631E		1	5360	AJD	EET SSM	03/04/25 19:13
Total/NA	Analysis	1631E		1	5360	AJD	EET SSM	03/04/25 19:09
Dissolved	Prep	1638			5412	V1R	EET SSM	03/06/25 16:10
Dissolved	Analysis	1638		1	5461	V1R	EET SSM	03/07/25 16:04
Total Recoverable	Prep	1638			5414	V1R	EET SSM	03/06/25 16:10
Total Recoverable	Analysis	1638		1	5461	V1R	EET SSM	03/07/25 18:13
Dissolved	Prep	3005A			808815	BDE	EET CHI	03/06/25 08:12 - 03/06/25 14:12 [1]
Dissolved	Analysis	6020B		1	809902	RN	EET CHI	03/13/25 17:49
Dissolved	Prep	3005A			808815	BDE	EET CHI	03/06/25 08:12 - 03/06/25 14:12 [1]
Dissolved	Analysis	6020B		1	810217	RN	EET CHI	03/17/25 15:06
Total Recoverable	Prep	3005A			808815	BDE	EET CHI	03/06/25 08:12 - 03/06/25 14:12 [1]
Total Recoverable	Analysis	6020B		1	809902	RN	EET CHI	03/13/25 17:23
Total Recoverable	Prep	3005A			808815	BDE	EET CHI	03/06/25 08:12 - 03/06/25 14:12 [1]
Total Recoverable	Analysis	6020B		1	810217	RN	EET CHI	03/17/25 14:39
Total Recoverable	Prep	3005A			808815	BDE	EET CHI	03/06/25 08:12 - 03/06/25 14:12 [1]
Total Recoverable	Analysis	SM 2340B		1	809911	DAJ	EET CHI	03/14/25 08:54
Total/NA	Analysis	300.0		1	807953	MM	EET CHI	03/01/25 07:47
Total/NA	Analysis	300.0		1	807954	MM	EET CHI	03/01/25 07:47
Total/NA	Prep	Distill/CN			808349	AC	EET CHI	03/03/25 12:00 - 03/03/25 12:30 [1]
Total/NA	Analysis	335.4		1	808442	AC	EET CHI	03/03/25 16:19
Total/NA	Prep	Distill/Ammonia			809655	EB	EET CHI	03/12/25 14:13 - 03/12/25 15:13 [1]
Total/NA	Analysis	350.1		1	809874	EB	EET CHI	03/13/25 17:38
Total/NA	Prep	365.2/365.3/365			808573	MF	EET CHI	03/05/25 07:50 - 03/05/25 11:50 [1]
Total/NA	Analysis	365.1		1	808929	KF	EET CHI	03/06/25 13:42
Total/NA	Analysis	SM 2320B		1	808615	AC	EET CHI	03/04/25 18:22
Total/NA	Analysis	SM 2520B		1	810053	AC	EET CHI	03/17/25 07:38
Total/NA	Analysis	SM 2540C		1	808561	SO	EET CHI	03/04/25 13:06
Total/NA	Analysis	SM 2540D		1	807937	SO	EET CHI	02/27/25 12:47 - 02/27/25 12:51 [1]
Total/NA	Analysis	SM 4500 S2 F		1	808415	TR	EET CHI	03/03/25 12:03 - 03/03/25 12:07 [1]
Dissolved	Analysis	SM 5310C		1	809480	TR	EET CHI	03/11/25 12:29
Total/NA	Analysis	SM 5310C		1	809478	TR	EET CHI	03/10/25 18:45

Client Sample ID: NTC-01_20250225_FBLL

Lab Sample ID: 500-264513-16

Date Collected: 02/25/25 16:00

Matrix: Water

Date Received: 02/27/25 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	1631E		1	5360	AJD	EET SSM	03/04/25 19:17

Client Sample ID: DUP-01-SW_20250225

Lab Sample ID: 500-264513-17

Date Collected: 02/25/25 23:59

Matrix: Water

Date Received: 02/27/25 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	1630			5362	AJD	EET SSM	03/05/25 12:50
Dissolved	Analysis	1630		1	5398	COW	EET SSM	03/05/25 23:12
Total/NA	Prep	1630			5362	AJD	EET SSM	03/05/25 12:50
Total/NA	Analysis	1630		1	5398	COW	EET SSM	03/05/25 23:01
Dissolved	Analysis	1631E		1	5360	AJD	EET SSM	03/04/25 19:26
Total/NA	Analysis	1631E		1	5360	AJD	EET SSM	03/04/25 19:21
Dissolved	Prep	1638			5412	V1R	EET SSM	03/06/25 16:10
Dissolved	Analysis	1638		1	5461	V1R	EET SSM	03/07/25 16:07
Total Recoverable	Prep	1638			5414	V1R	EET SSM	03/06/25 16:10
Total Recoverable	Analysis	1638		1	5461	V1R	EET SSM	03/07/25 18:17
Dissolved	Prep	3005A			808815	BDE	EET CHI	03/06/25 08:12 - 03/06/25 14:12 [1]
Dissolved	Analysis	6020B		1	809902	RN	EET CHI	03/13/25 17:52
Dissolved	Prep	3005A			808815	BDE	EET CHI	03/06/25 08:12 - 03/06/25 14:12 [1]
Dissolved	Analysis	6020B		1	810217	RN	EET CHI	03/17/25 15:09
Total Recoverable	Prep	3005A			808815	BDE	EET CHI	03/06/25 08:12 - 03/06/25 14:12 [1]
Total Recoverable	Analysis	6020B		1	809902	RN	EET CHI	03/13/25 17:25
Total Recoverable	Prep	3005A			808815	BDE	EET CHI	03/06/25 08:12 - 03/06/25 14:12 [1]
Total Recoverable	Analysis	6020B		1	810217	RN	EET CHI	03/17/25 14:42
Total Recoverable	Prep	3005A			808815	BDE	EET CHI	03/06/25 08:12 - 03/06/25 14:12 [1]
Total Recoverable	Analysis	SM 2340B		1	809911	DAJ	EET CHI	03/14/25 08:54
Total/NA	Analysis	300.0		1	807953	MM	EET CHI	03/01/25 08:02
Total/NA	Analysis	300.0		1	807954	MM	EET CHI	03/01/25 08:02
Total/NA	Prep	Distill/CN			808349	AC	EET CHI	03/03/25 12:00 - 03/03/25 12:30 [1]
Total/NA	Analysis	335.4		1	808442	AC	EET CHI	03/03/25 16:21
Total/NA	Prep	Distill/Ammonia			809655	EB	EET CHI	03/12/25 14:13 - 03/12/25 15:13 [1]
Total/NA	Analysis	350.1		1	809874	EB	EET CHI	03/13/25 17:40
Total/NA	Prep	365.2/365.3/365			808573	MF	EET CHI	03/05/25 07:50 - 03/05/25 11:50 [1]
Total/NA	Analysis	365.1		1	808929	KF	EET CHI	03/06/25 13:43
Total/NA	Analysis	SM 2320B		1	808615	AC	EET CHI	03/04/25 18:13
Total/NA	Analysis	SM 2520B		1	810053	AC	EET CHI	03/17/25 07:38
Total/NA	Analysis	SM 2540C		1	808359	SO	EET CHI	03/03/25 12:28
Total/NA	Analysis	SM 2540D		1	807937	SO	EET CHI	02/27/25 12:51 - 02/27/25 12:55 [1]
Total/NA	Analysis	SM 4500 S2 F		1	808415	TR	EET CHI	03/03/25 11:52 - 03/03/25 11:56 [1]
Dissolved	Analysis	SM 5310C		1	809480	TR	EET CHI	03/11/25 12:29
Total/NA	Analysis	SM 5310C		1	809478	TR	EET CHI	03/10/25 19:17

Client Sample ID: DUP-01-SW_20250225_FBLL

Lab Sample ID: 500-264513-18

Date Collected: 02/25/25 23:59

Matrix: Water

Date Received: 02/27/25 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	1631E		1	5360	AJD	EET SSM	03/04/25 19:30

[1] This procedure uses a method stipulated length of time for the process. Both start and end times are displayed.

Lab Chronicle

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264513-1

Laboratory References:

EET CHI = Eurofins Chicago, 18410 Crossing Drive, Suite E, Tinley Park, IL 60487, TEL (708)534-5200

EET SSM = Eurofins Seattle Specialty Metals, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

Accreditation/Certification Summary

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264513-1

Laboratory: Eurofins Chicago

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Georgia	State	N/A	05-31-25
Georgia (DW)	State	939	05-31-25
Hawaii	State	NA	05-31-25
Illinois	NELAP	100201	05-31-25
Indiana	State	C-IL-02	05-31-25
Iowa	State	082	05-01-26
Kansas	NELAP	E-10161	10-31-25
Kentucky (UST)	State	AI # 108083	05-31-25
Kentucky (WW)	State	KY90023	12-31-24 *
Louisiana (All)	NELAP	02046	06-30-25
Mississippi	State	NA	05-31-25
North Carolina (WW/SW)	State	291	12-31-25
North Dakota	State	R-194	04-29-24 *
Oklahoma	State	8908	08-31-25
South Carolina	State	77001003	05-31-25
USDA	US Federal Programs	P330-18-00018	03-30-26
Wisconsin	State	399172840	08-31-26
Wyoming	State	8TMS-Q	05-31-25

Laboratory: Eurofins Seattle Specialty Metals

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	20-004	02-19-27
ANAB	Dept. of Defense ELAP	L2236	01-19-27
ANAB	Dept. of Energy	L2236.01	01-19-27
ANAB	ISO/IEC 17025	L2236	01-19-27
California	State	2954	07-07-25
Florida	NELAP	E87575	06-30-25
Louisiana (All)	NELAP	03073	06-30-25
Maine	State	WA01273	05-02-26
New Jersey	NELAP	WA014	06-30-25
New York	NELAP	11662	04-01-25
Oregon	NELAP	4167-008	07-07-25
US Fish & Wildlife	US Federal Programs	A20571	06-30-25
USDA	US Federal Programs	525-23-4-22573	01-04-26
Washington	State	C788-23a	07-13-25
Wisconsin	State	399133460	07-31-25

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Eurofins Chicago
18410 Crossing Drive, Suite E
Tinley Park, IL 60487
Phone (708) 534-5200 Phone (262) 202-5955

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Ellen Coffernoll	Lab PM: Fredrick, Sandie	Carrier Tracking No(s): 4376 0568 5171	COC No: 500-133049-50241 37
Client Contact: Amanda Zeidler	Phone: 517-513-2249	E-Mail: Sandra Fredrick@et eurofinsus com	State of Origin: Michigan	Page: Page 1 of 1
Company: White Pine Copper LLC	PWSID:			Job #: 500-264513
Address: 35362 Mall Circle Drive	Due Date Requested:			
City: White Pine	TAT Requested (days): 10 days			
State, Zip: MI, 49971	Compliance Project: Δ Yes Δ No			
Phone: 906-204-6500	PO #: Purchase Order not required			
Email: AZeidler@whitepinecu com	WO #:			
Project Name: White Pines, MI	Project #: 50023455			
Site: White Pine North Baseline Sampling	SSOW#:			

Analysis Requested

Preservation Codes:
S H2SO4
N - None
CB - ZnAcetate/NaOH
B NaOH
D HNO3
A - HCL

500-264513 COC

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	350 1 Ammonia, 365.1 Phos	2320B, 2540C, 2540D, 300.0_28D, 300_48HR, SM2520_B	SM4500_S2_F - Sulfide, Total	335.4 - Cyanide, Total	SM5310_DOC_C - Organic Carbon, Dissolved (DOC) - tripli	6020B, SM2340B Total Metals / Hardness	1638 - Uranium only (ICP/MS)	1631E - Mercury, Low Level (CVAFS)	1630_ME - Methyl Mercury	6020B - Dissolved Metals (ICP/MS) - 27 elements	1638 - Dissolved Uranium only (ICP/MS) (field filtered)	1631E - Dissolved Mercury, Low Level (CVAFS) (filtered)	1630_ME - Dissolved Methyl Mercury (field filtered)	5310C - TOC	Total Number of containers	Special Instructions/Note:
			Preservation Code:				S	N	CB	B	S	D	D	N	A	D	D	N	A	S	
1 PRC-02_20250225	2-25-25	09:45	G	Water	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	22	
2 PRC-02.20250225_FBLL	2.25-25	09:45	G	Water										X							2	
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Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements: MDLs must meet Michigan requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment: FedEx Priority Overnight

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Ellen Coffernoll	2-25-25 17:00	MSG		2-25-25 17:00	MSG
	2-26-25 10:00	MSG	FedEx 437605685171		
			Stephanie Hemandez	2/27/25 0945	EFIA

Custody Seals Intact: Δ Yes Δ No | Custody Seal No:

Cooler Temperature(s) °C and Other Remarks: 2.6+2.5, 2.5+2.4, 0.9+0.6, 3.7+3.6
2.3+2.2

Eurofins Chicago
18410 Crossing Drive, Suite E
Tinley Park, IL 60487
Phone (708) 534-5200 Phone (262) 202-5955

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Jacob Dean	Lab PM: Fredrick, Sandie	Carrier Tracking No(s): 437605685149	COC No: 500-133049-50241 4
Client Contact: Amanda Zeidler	Phone: 906 487 7454	E-Mail: Sandra Fredrick@et eurofinsus com	State of Origin: Michigan	Page: Page 1 of 1
Company: White Pine Copper LLC	PWSID:			Job #: 500-264513
Address: 35362 Mail Circle Drive	Due Date Requested:			
City: White Pine	TAT Requested (days): 10 days			
State, Zip: MI, 49971	Compliance Project: Δ Yes Δ No			
Phone: 906-204-6500	PO #: Purchase Order not required			
Email: AZeidler@whitepinecu com	WO #:			
Project Name: White Pines, MI	Project #: 50023455			
Site: White Pine North Baseline Sampling	SSOW#:			

Analysis Requested

Preservation Codes:
S - H2SO4
N - None
CB - ZnAcetate/NaOH
B - NaOH
D HNO3
A - HCL
Other:

	Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	350.1 Ammonia, 365.1 Phos	2320B, 2540C, 2540D, 300.0_28D, 300_48HR, SM2520_B	SM4500_S2_F - Sulfide, Total	335.4 - Cyanide, Total	SM5310_DOC_C - Organic Carbon, Dissolved (DOC) - tripli	6020B, SM2340B Total Metals / Hardness	1638 - Uranium only (ICP/MS)	1631E - Mercury, Low Level (CVAFS)	1630_ME - Methyl Mercury	6020B - Dissolved Metals (ICP/MS) - 27 elements	1638 - Dissolved Uranium only (ICP/MS) (field filtered)	1631E - Dissolved Mercury, Low Level (CVAFS) (filtered)	1630_ME - Dissolved Methyl Mercury (field filtered)	5310C - TOC	Total Number of containers	Special Instructions/Note:
				Preservation Code:		X	X	S	N	CB	B	S	D	D	N	A	D	D	N	A	S	X	
3	MW-21_20250225	2 25 25	1100	G	Water	Y	N	X	X	X	X	X	X	X	X	X	X	X	X	X	X	22	
4	MW-2A_20250225_FDLL	2 25 25	1100	G	Water										X							2	
5	DUP 01-GW_20250225	2-25-25	-	G	Water	Y		X	X	X	X	X	X	X	X	X	X	X	X	X	X	22	
6	DUP 01-GW-20250225_FDLL	2-25-25	-	G	Water										X							2	
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested I, II, III, IV, Other (specify)

Special Instructions/QC Requirements MDLs must meet Michigan requirements

Empty Kit Relinquished by:	Date	Time	Method of Shipment: FedEx Priority Overnight

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1		2-25-25 14:00	MSG		2-25-25 14:00	MSG
2		2-26-25 09:30	MSG	FedEx 437605685149		
3					2/27/25 0945	EEIA

Custody Seals Intact. Δ Yes Δ No | Custody Seal No

Cooler Temperature(s) °C and Other Remarks.

Eurofins Chicago
18410 Crossing Drive, Suite E
Tinley Park, IL 60487
Phone (708) 534-5200 Phone (262) 202-5955

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Jacob Dean	Lab PM: Fredrick, Sandie	Carrier Tracking No(s): 437605685138	COC No: 500-133049-50241 3
Client Contact: Amanda Zeidler	Phone: 906 487-7454	E-Mail: Sandra Fredrick@et eurofinsus com	State of Origin: Michigan	Page: Page 1 of 1
Company: White Pine Copper LLC	PWSID:			Job #: 500-204513
Address: 35362 Mall Circle Drive	Due Date Requested:			
City: White Pine	TAT Requested (days): 10 days			
State, Zip: MI, 49971	Compliance Project: Δ Yes Δ No			
Phone: 906-204-6500	PO #: Purchase Order not required			
Email: AZeidler@whitepinecu com	WO #:			
Project Name: White Pines, MI	Project #: 50023455			
Site: White Pine North Baseline Sampling	SSOW#:			

Analysis Requested

Preservation Codes:
S - H2SO4
N - None
CB - ZnAcetate/NaOH
B - NaOH
D HNO3
A HCL
Other:

	Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	350.1 Ammonia, 365.1 Phos	2320B, 2540C, 2540D, 300.0_28D, 300_48HR, SM2520_B	SM4500_S2_F - Sulfide, Total	335.4 - Cyanide, Total	SM5310_DOC_C - Organic Carbon, Dissolved (DOC) - tripli	6020B, SM2340B Total Metals / Hardness	1638 - Uranium only (ICP/MS)	1631E - Mercury, Low Level (CVAFS)	1630_ME - Methyl Mercury	6020B - Dissolved Metals (ICP/MS) - 27 elements	1638 - Dissolved Uranium only (ICP/MS) (field filtered)	1631E - Dissolved Mercury, Low Level (CVAFS) (filtered)	1630_ME - Dissolved Methyl Mercury (field filtered)	5310C - TOC	Total Number of containers	Special Instructions/Note:
				Preservation Code:				S	N	CB	B	S	D	D	N	A	D	D	N	A	S	
7	MW-2B-20250225	2-25-25	1315	G	Water	Y		X	X	X	X	X	X	X	X	X	X	X	X	X	X	2
8	MW-2B-20250225-FBLK	2-25-25	1315	G	Water										X							2
					Water																	
					Water																	
					Water																	
					Water																	
					Water																	
					Water																	
					Water																	
					Water																	
					Water																	

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested I, [II], III, IV, Other (specify)

Special Instructions/QC Requirements MDLs must meet Michigan requirements

Empty Kit Relinquished by:	Date	Time	Method of Shipment: FedEx Priority Overnight

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1	Jacob Dean	2-25-25 14:00	MSG	[illegible]	2-25-25 14:00	MSG
2	[illegible]	2-26-25 09:30	WPC	FedEx 437605685138		
3				Stephanie Hemond	2/27/25 0945	EEIA

Custody Seals Intact. Δ Yes Δ No | Custody Seal No | Cooler Temperature(s) °C and Other Remarks.

Eurofins Chicago
18410 Crossing Drive, Suite E
Tinley Park, IL 60487
Phone (708) 534-5200 Phone (262) 202-5955

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Ellen Coppernoll	Lab PM: Fredrick, Sandie	Carrier Tracking No(s): 4376 05685138	COC No: 500-133049-50241 35
Client Contact: Amanda Zeidler	Phone: 517-513-2249	E-Mail: Sandra Fredrick@et eurofinsus com	State of Origin: Michigan	Page: Page 1 of 1
Company: White Pine Copper LLC	PWSID:			Job #: 500-210513
Address: 35362 Mall Circle Drive	Due Date Requested:			
City: White Pine	TAT Requested (days): 10 days			
State, Zip: MI, 49971	Compliance Project: Δ Yes Δ No			
Phone: 906-204-6500	PO #: Purchase Order not required			
Email: AZeidler@whitepinecu com	WO #:			
Project Name: White Pines, MI	Project #: 50023455			
Site: White Pine North Baseline Sampling	SSOW#:			

Analysis Requested

Preservation Codes:
S H2SO4
N - None
CB - ZnAcetate/NaOH
B NaOH
D HNO3
A HCL
Other:

	Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	350.1 Ammonia, 365.1 Phos	2320B, 2540C, 2540D, 300.0_28D, 300_48HR, SM2520_B	SM4500_S2_F - Sulfide, Total	335.4 - Cyanide, Total	SM5310_DOC_C - Organic Carbon, Dissolved (DOC) - tripli	6020B, SM2340B Total Metals / Hardness	1638 - Uranium only (ICP/MS)	1631E - Mercury, Low Level (CVAFS)	1630_ME - Methyl Mercury	6020B - Dissolved Metals (ICP/MS) - 27 elements	1638 - Dissolved Uranium only (ICP/MS) (field filtered)	1631E - Dissolved Mercury, Low Level (CVAFS) (filtered)	1630_ME - Dissolved Methyl Mercury (field filtered)	5310C - TOC	Total Number of containers	Special Instructions/Note:
				Preservation Code:				S	N	CB	B	S	D	D	N	A	D	D	N	A	S		
9	MLR-03_20250225	2-25-25	13:45	G	Water	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	22	
10	MLR-03_20250225-FBLK	2-25-25	13:45	G	Water										X							2	
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested I, II, III, IV, Other (specify)

Special Instructions/QC Requirements MDLs must meet Michigan requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment: FedEx Priority Overnight

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1	Ellen Coppernoll	2-25-25 17:00	MSG	[signature]	2-25-25 17:00	MSG
2	[signature]	2-26-25 09:30	MSG	FedEx 437605685138		
3				Stephanie Herrman	2/27/25 0945	EETA

Custody Seals Intact: Δ Yes Δ No | Custody Seal No

Cooler Temperature(s) °C and Other Remarks.

Eurofins Chicago
18410 Crossing Drive, Suite E
Tinley Park, IL 60487
Phone (708) 534-5200 Phone (262) 202-5955

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Jacob Dean	Lab PM: Fredrick, Sandie	Carrier Tracking No(s): 437605685150	COC No: 500-133049-50241 5
Client Contact: Amanda Zeidler	Phone: 406 487 7454	E-Mail: Sandra Fredrick@et.eurofinsus com	State of Origin: Michigan	Page: Page 1 of 1
Company: White Pine Copper LLC	PWSID:			Job #: 500-264513
Address: 35362 Mall Circle Drive	Due Date Requested:			
City: White Pine	TAT Requested (days): 10 days			
State, Zip: MI, 49971	Compliance Project: Δ Yes Δ No			
Phone: 906-204-6500	PO #: Purchase Order not required			
Email: AZeidler@whitepinecu com	WO #:			
Project Name: White Pines, MI	Project #: 50023455			
Site: White Pine North Baseline Sampling	SSOW#:			

Analysis Requested

Preservation Codes:
S - H2SO4
N - None
CB - ZnAcetate/NaOH
B NaOH
D HNO3
A HCL
Other

	Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	350.1 Ammonia, 365.1 Phos	2320B, 2540C, 2540D, 300.0_28D, 300_48HR, SM2520_B	SM4500_S2_F - Sulfide, Total	335.4 - Cyanide, Total	SM5310_DOC_C - Organic Carbon, Dissolved (DOC) - tripli	6020B, SM2340B Total Metals / Hardness	1638 - Uranium only (ICP/MS)	1631E - Mercury, Low Level (CVAFS)	1630_ME - Methyl Mercury	6020B - Dissolved Metals (ICP/MS) - 27 elements	1638 - Dissolved Uranium only (ICP/MS) (field filtered)	1631E - Dissolved Mercury, Low Level (CVAFS) (filtered)	1630_ME - Dissolved Methyl Mercury (field filtered)	5310C - TOC	Total Number of containers	Special Instructions/Note:
	Preservation Code:							S	N	CB	B	S	D	D	N	A	D	D	N	A	S		
11	BNW-01_20250225	2 25 25	15:00	G	Water	Y		X	X	X	X	X	X	X	X	X	X	X	X	X	X	22	
12	BNW-01_20250225_FBLL	2-25-25	15:00	G	Water										X							2	
13	MW-10_20250225	2-25 25	17:15	G	Water	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	22	
14	MW-10_20250225_FBLL	2-25-25	17:15	G	Water										X							2	
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested I, II, III, IV, Other (specify)

Special Instructions/QC Requirements MDLs must meet Michigan requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment: FedEx Priority Overnight

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1	Jacob Dean	2-25-25 17:00	MSG		2-25-25 17:00	MSG
2		2/26/25 10:00	MSG	FedEx 437605685150		
3				Stephanie Hemmer	2/27/25 0945	EETA

Custody Seals Intact. Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks.

Eurofins Chicago
18410 Crossing Drive, Suite E
Tinley Park, IL 60487
Phone (708) 534-5200 Phone (262) 202-5955

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Ellen Coppernoll	Lab PM: Fredrick, Sandie	Carrier Tracking No(s): 4376 05685160	COC No: 500-133049-50241 36
Client Contact: Amanda Zeidler	Phone: 517-513-2249	E Mail: Sandra Fredrick@et.eurofinsus com	State of Origin: Michigan	Page: Page 1 of 1
Company: White Pine Copper LLC	PWSID:	Analysis Requested		Job #: 500-264513
Address: 35362 Mall Circle Drive	Due Date Requested:			Preservation Codes: S H2SO4, N - None, CB - ZnAcetate/NaOH, B - NaOH, D HNO3, A HCL
City: White Pine	TAT Requested (days): 10 days			
State, Zip: MI, 49971	Compliance Project: Δ Yes Δ No			
Phone: 906-204-6500	PO #: Purchase Order not required			
Email: AZeidler@whitepinecu com	WO #:			Other:
Project Name: White Pines, MI	Project #: 50023455			
Site: White Pine North Baseline Sampling	SSOW#:			

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	350.1 Ammonia, 365.1 Phos	2320B, 2540C, 2540D, 300.0_28D, 300_48HR, SM2520_B	SM4500_S2_F - Sulfide, Total	335.4 - Cyanide, Total	SM5310_DOC_C - Organic Carbon, Dissolved (DOC) - tripli	6020B, SM2340B Total Metals / Hardness	1638 - Uranium only (ICP/MS)	1631E - Mercury, Low Level (CVAFS)	1630_ME - Methyl Mercury	6020B - Dissolved Metals (ICP/MS) - 27 elements	1638 - Dissolved Uranium only (ICP/MS) (field filtered)	1631E - Dissolved Mercury, Low Level (CVAFS) (filtered)	1630_ME - Dissolved Methyl Mercury (field filtered)	5310C - TOC	Total Number of containers	Special Instructions/Note:
			Preservation Code:				S	N	CB	B	S	D	D	N	A	D	D	N	A	S		
17 NTC-01_20250225	2-25-25	16:00	G	Water	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	22	
16 NTC-01_20250225_FBL	2-25-25	16:00	G	Water										X							2	
11 DUP 01-SW_20250225	2-25-25	—	G	Water	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	22	
18 DUP-01-SW-20250225_FBL	2-25-25	—	G	Water										X							2	
				Water																		
				Water																		
				Water																		
				Water																		
				Water																		
				Water																		
				Water																		

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested I, II, III, IV, Other (specify)

Special Instructions/QC Requirements MDLs must meet Michigan requirements

Empty Kit Relinquished by:	Date	Time	Method of Shipment: FedEx Priority Overnight

	Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company
1	Ellen	2-25-25 17:00	MSG		2-25-25 17:00	MSG
2		2-26-25 09:30	MSG	FedEx 437605685160		
3				Stephanie Hernandez	2/27/25 0945	EEHA

Custody Seals Intact. Δ Yes Δ No | Custody Seal No | Cooler Temperature(s) °C and Other Remarks



JED CHRESTENSEN
THE MANNIK & SMITH GROUP
616 SHELDEN AVE
SUITE 210
HOUGHTON, MI 49931
UNITED STATES US

CAD: 0780307/CAFE3855

TO SAMPLE RECIEPT
EUROFINS
18410 CROSSING DRIVE
SUITE E
TINLEY PARK IL 60487
(262) 202-5955 REF
INV:
PO DEPT

RMA

FedEx Express

RETURNS MON-SAT
THU - 27 FEB AA
PRIORITY OVERNIGHT

FedEx
TRK# 0221 4376 0568 5171

XP JOTA

60487
IL-US
ORD



500-264513 Waybi

JED CHRESTENSEN
THE MANNIK & SMITH GROUP
616 SHELDEN AVE
SUITE 210
HOUGHTON, MI 49931
UNITED STATES US

CAD: 0780307/CAFE3855

TO SAMPLE RECIEPT
EUROFINS
18410 CROSSING DRIVE
SUITE E
TINLEY PARK IL 60487
(262) 202-5955 REF:
PO: DEPT

RMA

FedEx Express

RETURNS MON-SAT
THU - 27 FEB AA
PRIORITY OVERNIGHT

FedEx
TRK# 0221 4376 0568 5149

XP JOTA

60487
IL-US
ORD

JED CHRESTENSEN
THE MANNIK & SMITH GROUP
616 SHELDEN AVE
SUITE 210
HOUGHTON, MI 49931
UNITED STATES US

ACTWGT: 25.00 LB MAN
CAD: 0780307/CAFE3855

TO **SAMPLE RECIEPT**
EUROFINS
18410 CROSSING DRIVE
SUITE E
TINLEY PARK IL 60487
(262) 202-5955 REF
INV:
PO: DEPT

RMA

FedEx Express

RETURNS MON-SAT
THU - 27 FEB AA
PRIORITY OVERNIGHT

FedEx
TRK# 0221 4376 0568 5150

XP JOTA

60487
IL-US
ORD

5025547 26Feb2025 CMXA 581G4/26DE/5FE5

JED CHRESTENSEN
THE MANNIK & SMITH GROUP
616 SHELDEN AVE
SUITE 210
HOUGHTON, MI 49931
UNITED STATES US

CAD: 0780307/CAFE3855

TO **SAMPLE RECIEPT**
EUROFINS
18410 CROSSING DRIVE
SUITE E
TINLEY PARK IL 60487
(262) 202-5955 REF
INV:
PO: DEPT

RMA

FedEx Express

FedEx
TRK# 0221 4376 0568 5138

THU - 27 FEB AA
PRIORITY OVERNIGHT

XP JOTA

60487
IL-US
ORD

5025547 26Feb2025 CMXA 581G4/26DE/5FE5


JED CHRESTENSEN
THE MANNIK & SMITH GROUP
616 SHELDEN AVE
SUITE 210
HOUGHTON, MI 4993.
UNITED STATES US
ACTWGT: 25.00 LB THRU
CAD 0200307/CAFE3855
TO SAMPLE RECIEPT
EUROFINS
18410 CROSSING DRIVE
SUITE E
TINLEY PARK IL 60487
(262) 202-5955
INV:
PO
REF
DEPT
RMA
FedEx
Express
RETURNS MON-SAT
THU - 27 FEB AA
PRIORITY OVERNIGHT
FedEx
TRK#
0221 4376 0568 5160
XP JOTA
60487
IL-US
ORD
5025547 26Feb2025 CMXA 581G4/26DE/5FE5

Eurofins Chicago
18410 Crossing Drive Suite E
Tinley Park, IL 60487
Phone: 708-534-5200 Fax: 708-534-5211

Chain of Custody Record

eurofins | Environment Testing

3/20/2025

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Fredrick, Sandie	Carrier Tracking No(s): N/A	COC No: 500-198859.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Sandra.Fredrick@et.eurofinsus.com	State of Origin: Michigan	Page: Page 1 of 2
Company: Eurofins Environment Testing Northwest,		Accreditations Required (See note): N/A		Job #: 500-264513-1
Address: 5755 8th Street East, ,	Due Date Requested: 3/20/2025			Preservation Codes: -
City: Tacoma	TAT Requested (days): N/A			
State, Zip: WA, 98424				
Phone: 253-922-2310(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: White Pines, MI	Project #: 50023455			
Site: N/A	SSOW#: N/A			

Therm. ID: SC04 Cust. Seal: (Y) / N
Uncorr./Corr. Temp 1.5 / 1.6 °C
Delivery: UPS / FedEx / Other: ____
Ice Type: Blue / Dry / Wet / None
Label Ver.: ____ Packing: D

Therm. ID: SC03 Cust. Seal: (Y) / N
Uncorr./Corr. Temp 19.5 / 19.4 °C
Delivery: UPS / FedEx / Other: ____
Ice Type: Blue / Dry / Wet / None
Label Ver: ____ Packing: ____

Therm. ID: SC02 Cust. Seal: (Y) / N
Uncorr./Corr. Temp 4.1 / 4.0 °C
Delivery: UPS / FedEx / Other: ____
Ice Type: Blue / Dry / Wet / None
Label Ver.: ____ Packing: D

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	1638/1638_Prep_W Uranium only (ICP/MS)	1631E/ Mercury, Low Level (CVAFS)	1630_ME/1630_Dist_PFP Methyl Mercury	1638/FIELD_FLTRD Dissolved Uranium only (ICP/MS) (field f	1631E/FIELD_FLTRD Dissolved Mercury, Low Level (CVAFS) (fi	1630_ME/FIELD_FLTRD Dissolved Methyl Mercury (field filtered							
Preservation Code:					X	X													
PRC-02_20250225 (500-264513-1)	2/25/25	09:45 Eastern	G	Water			X	X	X	X	X	X							8
PRC-02_20250225_FBLL (500-264513-2)	2/25/25	09:45 Eastern	G	Water				X											2
MW-2A_20250225 (500-264513-3)	2/25/25	11:00 Eastern	G	Water			X	X	X	X	X	X							8
MW-2A_20250225_FBLL (500-264513-4)	2/25/25	11:00 Eastern	G	Water				X											2
DUP-01-GW-20250225 (500-264513-5)	2/25/25	23:59 Eastern	G	Water			X	X	X	X	X	X							8
DUP-01-GW-20250225_FBLL (500-264513-6)	2/25/25	23:59 Eastern	G	Water				X											2
MW-2B-20250225 (500-264513-7)	2/25/25	13:15 Eastern	G	Water			X	X	X	X	X	X							8
MW-2B-20250225_FBLL (500-264513-8)	2/25/25	13:15 Eastern	G	Water				X											2
MLR-03_20250225 (500-264513-9)	2/25/25	13:45 Eastern	G	Water			X	X	X	X	X	X							8

Note: Since laboratory accreditations are subject to change, Eurofins Chicago places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If ...ntly maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Chicago laboratory or other instructions will be provided. Any changes to accreditation status should be br ...ttention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Chicago.

Possible Hazard Identification: Unconfirmed 4488 9403 9638	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month): ☐ Return To Client ☐ Disposal By Lab ☐ Archive For ____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 10/10/2024

Eurofins Chicago
18410 Crossing Drive Suite E
Tinley Park, IL 60487
Phone: 708-534-5200 Fax: 708-534-5211

Chain of Custody Record

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3/20/2025

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Fredrick, Sandie	Carrier Tracking No(s): N/A	COC No: 500-198859.2
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Sandra.Fredrick@et.eurofinsus.com	State of Origin: Michigan	Page: Page 2 of 2
Company: Eurofins Environment Testing Northwest,		Accreditations Required (See note): N/A		Job #: 500-264513-1
Address: 5755 8th Street East, ,	Due Date Requested: 3/20/2025			Preservation Codes:
City: Tacoma	TAT Requested (days): N/A			
State, Zip: WA, 98424				
Phone: 253-922-2310(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: White Pines, MI	Project #: 50023455			
Site: N/A	SSOW#: N/A			Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	1638/1638_Prep_W Uranium only (ICP/MS)	1631E/ Mercury, Low Level (CVAFS)	1630_ME/1630_Dist_PFP Methyl Mercury	1638/FIELD_FLTRD Dissolved Uranium only (ICP/MS) (field f	1631E/FIELD_FLTRD Dissolved Mercury, Low Level (CVAFS) (fi	1630_ME/FIELD_FLTRD Dissolved Methyl Mercury (field filtered	Total Number of containers	Special Instructions/Note:
			Preservation Code:											
MLR-03_20250225_FBLL (500-264513-10)	2/25/25	13:45 Eastern	G	Water				X					2	
BNW-01_20250225 (500-264513-11)	2/25/25	15:00 Eastern	G	Water			X	X	X	X	X	X	8	
BNW-01_20250225_FBLL (500-264513-12)	2/25/25	15:00 Eastern	G	Water				X					2	
MW-10_20250225 (500-264513-13)	2/25/25	17:15 Eastern	G	Water			X	X	X	X	X	X	8	
MW-10_20250225_FBLL (500-264513-14)	2/25/25	17:15 Eastern	G	Water				X					2	
NTC-01_20250225 (500-264513-15)	2/25/25	16:00 Eastern	G	Water			X	X	X	X	X	X	8	
NTC-01_20250225_FBLL (500-264513-16)	2/25/25	16:00 Eastern	G	Water				X					2	
DUP-01-SW_20250225 (500-264513-17)	2/25/25	23:59 Eastern	G	Water			X	X	X	X	X	X	8	
DUP-01-SW_20250225_FBLL (500-264513-18)	2/25/25	23:59 Eastern	G	Water				X					2	

Analysis Requested

Note: Since laboratory accreditations are subject to change, Eurofins Chicago places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Chicago laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Chicago attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Chicago.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 10/10/2024

Login Sample Receipt Checklist

Client: White Pine Copper LLC

Job Number: 500-264513-1

Login Number: 264513
List Number: 1
Creator: Hernandez, Stephanie

List Source: Eurofins Chicago

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.5,2.4,0.6,3.6,2.2
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	False	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	

Login Sample Receipt Checklist

Client: White Pine Copper LLC

Job Number: 500-264513-1

Login Number: 264513
List Number: 2
Creator: Singh, Jaskaran

List Source: Eurofins Seattle Specialty Metals
List Creation: 02/28/25 05:56 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	

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Date:	2/28/2025
End Time:	18:38
pH Paper Lot:	HC441704
Analyst:	JF

Preservative ID	Preservative Type	Container ID
A	Nitric Acid	N/A
ZZZZZZZZZZZZZZZ	ZZZZZZZZZZZZZZZZZZZZZZZ	ZZZZZZZZZZ
ZZZZZZZZZZZZZZZ	ZZZZZZZZZZZZZZZZZZZZZZZ	ZZZZZZZZZZ
ZZZZZZZZZZZZZZZ	ZZZZZZZZZZZZZZZZZZZZZZZ	ZZZZZZZZZZ

Sample ID	Initial pH	Final pH	Preservative ID	Preservative Added (mL)	Comments
500-264513-N-3	<2				
500-264513-N-5	<2				
500-264513-M-17	<2				
500-264513-M-5	<2				
500-264513-M-17	<2				
500-264513-N-13	<2				
500-264513-M-13	<2				
500-264513-M-7	<2				
500-264513-M-11	<2				
500-264513-N-9	<2				
500-264513-N-11	<2				
500-264513-N-7	<2				
500-264513-M-3	<2				
500-264513-M-15	<2				
500-264513-M-9	<2				
500-264513-N-1	<2				
500-264513-N-17	<2				
500-264513-N-15	<2				

JS 2/28/25

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Date:	2/28/2025
End Time:	16:38
pH Paper Lot:	HC441704
Analyst:	JS

Preservative ID	Preservative Type	Container ID
A	Hydrochloric Acid	N/A
ZZZZZZZZZZZZZZZ	ZZZZZZZZZZZZZZZZZZZZZZZ	ZZZZZZZZZZ
ZZZZZZZZZZZZZZZ	ZZZZZZZZZZZZZZZZZZZZZZZ	ZZZZZZZZZZ
ZZZZZZZZZZZZZZZ	ZZZZZZZZZZZZZZZZZZZZZZZ	ZZZZZZZZZZ

Sample ID	Initial pH	Final pH	Preservative ID	Preservative Added (mL)	Comments
500-264513-F-7	<2				
500-264513-F-11	<2				
500-264513-F-17	<2				
500-264513-E-15	<2				
500-264513-F-13	<2				
500-264513-F-1	<2				
500-264513-E-5	<2				
500-264513-F-5	<2				
500-264513-E-13	<2				
500-264513-F-9	<2				
500-264513-E-11	<2				
500-264513-E-7	<2				
500-264513-E-3	<2				
500-264513-E-1	<2				
500-264513-F-3	<2				
500-264513-F-15	<2				
500-264513-E-9	<2				
500-264513-E-17	<2				

JS 2/28/25

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Date:	2/28/2025
End Time:	17:14
KI Paper Lot:	N/A
Analyst:	JS

Preservative ID	Preservative Type	Container ID
A	Bromine Monochloride (0.2N)	57151
zzzzzzzzzzzzzzz	zzzzzzzzzzzzzzzzzzzzzzz	zzzzzzzzzz
zzzzzzzzzzzzzzz	zzzzzzzzzzzzzzzzzzzzzzz	zzzzzzzzzz
zzzzzzzzzzzzzzz	zzzzzzzzzzzzzzzzzzzzzzz	zzzzzzzzzz

Pipette: MP_HG24

Sample ID	Pres. Used (ID)	Oxidized (Y/N)?	Pres. Vol. (mL)/Percent (%)	Comments
500-264513-A-1	A	Y	0.5x2/2	
500-264513-B-1	A	Y	0.5x2/2	
500-264513-C-1	A	Y	0.5x2/2	
500-264513-D-1	A	Y	0.5x2/2	
500-264513-A-2	A	Y	0.5x2/2	
500-264513-B-2	A	Y	0.5x2/2	
500-264513-A-3	A	Y	0.5x2/2	
500-264513-B-3	A	Y	0.5x2/2	
500-264513-C-3	A	Y	0.5x2/2	
500-264513-D-3	A	Y	0.5x2/2	
500-264513-A-4	A	Y	0.5x2/2	
500-264513-B-4	A	Y	0.5x2/2	
500-264513-A-5	A	Y	0.5x2/2	
500-264513-B-5	A	Y	0.5x2/2	
500-264513-C-5	A	Y	0.5x2/2	
500-264513-D-5	A	Y	0.5x2/2	
500-264513-B-6	A	Y	0.5x2/2	
500-264513-A-6	A	Y	0.5x2/2	
500-264513-A-7	A	Y	0.5x2/2	
500-264513-B-7	A	Y	0.5x2/2	
500-264513-C-7	A	Y	0.5x2/2	
500-264513-D-7	A	Y	0.5x2/2	
500-264513-A-8	A	Y	0.5x2/2	
500-264513-B-8	A	Y	0.5x2/2	
500-264513-A-9	A	Y	0.5x2/2	
500-264513-B-9	A	Y	0.5x2/2	
500-264513-C-9	A	Y	0.5x2/2	
500-264513-D-9	A	Y	0.5x2/2	
500-264513-A-10	A	Y	0.5x2/2	
500-264513-B-10	A	Y	0.5x2/2	
500-264513-A-11	A	Y	0.5x2/2	
500-264513-B-11	A	Y	0.5x2/2	
500-264513-C-11	A	Y	0.5x2/2	
500-264513-D-11	A	Y	0.5x2/2	
500-264513-A-12	A	Y	0.5x2/2	JS 2/28/25

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ANALYTICAL REPORT

PREPARED FOR

Attn: Amanda Zeidler
White Pine Copper LLC
35362 Mall Circle Drive
White Pine, Michigan 49971

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JOB DESCRIPTION

White Pines, MI

JOB NUMBER

500-264590-1

Eurofins Chicago
18410 Crossing Drive
Suite E
Tinley Park IL 60487

See page two for job notes and contact information.

my EOL

Eurofins Chicago

Job Notes

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. This report is confidential and is intended for the sole use of Eurofins Environment Testing North Central, LLC and its client. All questions regarding this report should be directed to the Eurofins Environment Testing North Central, LLC Project Manager who has signed this report.

Results relate only to the items tested and the sample(s) as received by the laboratory. The results, detection limits (LOD) and Quantitation Limits (LOQ) have been adjusted for sample dilutions and/or solids content.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Chicago Project Manager.

Compliance Statement

The LOD and LOQ reported are adjusted by the dilution factor when a dilution factor greater than 1 is needed. Additionally, where results are indicated as being reported on a dry weight basis, the LOD and LOQ are adjusted for moisture content as well.

Definitions of Limits
- LOD = Limit of Detection = MDL as defined by 40 CFR part 136 Appendix B
- LOQ = Limit of Quantitation = 3.33 x LOD as defined by Wisconsin
- RL = Report Limit = a concentration supported by a standard in the calibration curves

Authorization



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Authorized for release by
Sandie Fredrick, Senior Project Manager
Sandra.Fredrick@et.eurofinsus.com
(920)261-1660

Table of Contents

Cover Page 1
Table of Contents 3
Case Narrative 4
Detection Summary 5
Method Summary 16
Sample Summary 17
Client Sample Results 18
Definitions 54
QC Association 55
QC Sample Results 67
Chronicle 90
Certification Summary 99
Chain of Custody 100
Receipt Checklists 113
Field Data Sheets 115

Job ID: 500-264590-1 — Eurofins Chicago

Job Narrative
500-264590-1

Receipt
The samples were received on 2/28/2025 9:20 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 7 coolers at receipt time were 0.2º C, 1.1º C, 1.5º C, 2.2º C, 4.0º C, 4.1º C and 5.5º C.

Receipt Exceptions
The following sample(s) was received outside of holding time: for IC N2,N3.

Metals
Method 6020B: The initial low level calibration verification (ICVL) result for batch 500-810217 was above the upper control limit. The affected analytes are: Selenium. Sample results were below the reporting limit, and have been reported as qualified data.

Method 1631E: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 350-5444 were outside control limits for one analyte. See QC Sample Results for detail. Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Field Service / Mobile Lab
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

General Chemistry
Method 300.0: Due to the high concentration of Chloride, the matrix spike / matrix spike duplicate (MS/MSD) for analytical batch 500-808060 could not be evaluated for accuracy and precision. The associated laboratory control sample (LCS) met acceptance criteria.

Methods 300.0, 9056A: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 500-808061 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Methods 300.0, 9056A: The following samples were analyzed outside of analytical holding time due to instrument connection error. MW-5A_20250226 (500-264590-3)

Method 300.0: The following sample was received outside of holding time: DKC-02_20250226 (500-264590-1).

Method 300.0: The following sample(s) was analyzed outside of analytical holding time due to system outages. MW-3B_20250226 (500-264590-11)

Method 300.0: The method blank for analytical batch 500-809165 contained Nitrate as N and Nitrate Nitrite as N above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

Method 350.1: The bottle for the matrix spike sample could not be located. Analyst used the parent sample bottle for the matrix spike. MW-5A_20250226 (500-264590-3[MS])

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264590-1

Client Sample ID: DKC-02_20250226 — Lab Sample ID: 500-264590-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl Mercury	0.044	J	0.050	0.022	ng/L	1		1630	Total/NA
Methyl Mercury	0.034	J	0.050	0.022	ng/L	1		1630	Dissolved
Mercury	4.8		0.50	0.20	ng/L	1		1631E	Total/NA
Mercury	3.3		0.50	0.20	ng/L	1		1631E	Dissolved
Uranium	0.22		0.050	0.0098	ug/L	1		1638	Total Recoverable
Uranium	0.17		0.050	0.0098	ug/L	1		1638	Dissolved
Aluminum	700		100	25	ug/L	1		6020B	Total Recoverable
Arsenic	0.36	J	1.0	0.23	ug/L	1		6020B	Total Recoverable
Barium	27		2.5	0.73	ug/L	1		6020B	Total Recoverable
Boron	17	J	50	13	ug/L	1		6020B	Total Recoverable
Calcium	9800		200	44	ug/L	1		6020B	Total Recoverable
Copper	9.4		2.0	0.50	ug/L	1		6020B	Total Recoverable
Iron	1600		100	47	ug/L	1		6020B	Total Recoverable
Lead	0.26	J	0.50	0.19	ug/L	1		6020B	Total Recoverable
Magnesium	2700		200	49	ug/L	1		6020B	Total Recoverable
Manganese	27		2.5	0.79	ug/L	1		6020B	Total Recoverable
Nickel	0.68	J	2.0	0.63	ug/L	1		6020B	Total Recoverable
Potassium	980		500	110	ug/L	1		6020B	Total Recoverable
Sodium	1700		200	77	ug/L	1		6020B	Total Recoverable
Strontium	36		4.0	0.64	ug/L	1		6020B	Total Recoverable
Aluminum	91	J	100	25	ug/L	1		6020B	Dissolved
Arsenic	0.27	J	1.0	0.23	ug/L	1		6020B	Dissolved
Barium	21		2.5	0.73	ug/L	1		6020B	Dissolved
Calcium	9600		200	44	ug/L	1		6020B	Dissolved
Copper	6.9		2.0	0.50	ug/L	1		6020B	Dissolved
Iron	660		100	47	ug/L	1		6020B	Dissolved
Magnesium	2600		200	49	ug/L	1		6020B	Dissolved
Manganese	18		2.5	0.79	ug/L	1		6020B	Dissolved
Potassium	870		500	110	ug/L	1		6020B	Dissolved
Sodium	1700		200	77	ug/L	1		6020B	Dissolved
Strontium	34		4.0	0.64	ug/L	1		6020B	Dissolved
Hardness as calcium carbonate	36		0.91	0.46	mg/L	1		SM 2340B	Total Recoverable
Chloride	0.95	J	1.0	0.42	mg/L	1		300.0	Total/NA
Sulfate	1.4		1.0	0.47	mg/L	1		300.0	Total/NA
Cyanide, Total	0.0050		0.0050	0.0036	mg/L	1		335.4	Total/NA
Phosphorus as P	0.039	J	0.050	0.024	mg/L	1		365.1	Total/NA
Alkalinity	35		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	35		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	52		10	4.3	mg/L	1		SM 2540C	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264590-1

Client Sample ID: DKC-02_20250226 (Continued) — Lab Sample ID: 500-264590-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Suspended Solids	4.4	J	5.0	1.9	mg/L	1		SM 2540D	Total/NA
Sulfide	2.0		1.0	0.23	mg/L	1		SM 4500 S2 F	Total/NA
Total Organic Carbon	7.7		1.0	0.47	mg/L	1		SM 5310C	Total/NA
Dissolved Organic Carbon	7.2		1.0	0.47	mg/L	1		SM 5310C	Dissolved

Client Sample ID: DKC-02_20250226_FBLL — Lab Sample ID: 500-264590-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	0.20	J	0.50	0.20	ng/L	1		1631E	Total/NA

Client Sample ID: MW-5A_20250226 — Lab Sample ID: 500-264590-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	0.32	J	0.50	0.20	ng/L	1		1631E	Total/NA
Uranium	11		0.050	0.0098	ug/L	1		1638	Total Recoverable
Uranium	12		0.050	0.0098	ug/L	1		1638	Dissolved
Arsenic	0.31	J	1.0	0.23	ug/L	1		6020B	Total Recoverable
Barium	620		2.5	0.73	ug/L	1		6020B	Total Recoverable
Boron	180		50	13	ug/L	1		6020B	Total Recoverable
Calcium	170000		200	44	ug/L	1		6020B	Total Recoverable
Copper	1.3	J	2.0	0.50	ug/L	1		6020B	Total Recoverable
Lithium	57		10	2.5	ug/L	1		6020B	Total Recoverable
Magnesium	13000		200	49	ug/L	1		6020B	Total Recoverable
Manganese	350		2.5	0.79	ug/L	1		6020B	Total Recoverable
Potassium	510		500	110	ug/L	1		6020B	Total Recoverable
Sodium	110000		200	77	ug/L	1		6020B	Total Recoverable
Strontium	3200		4.0	0.64	ug/L	1		6020B	Total Recoverable
Arsenic	0.27	J	1.0	0.23	ug/L	1		6020B	Dissolved
Barium	640		2.5	0.73	ug/L	1		6020B	Dissolved
Boron	190		50	13	ug/L	1		6020B	Dissolved
Calcium	170000		200	44	ug/L	1		6020B	Dissolved
Copper	1.0	J	2.0	0.50	ug/L	1		6020B	Dissolved
Lithium	61		10	2.5	ug/L	1		6020B	Dissolved
Magnesium	12000		200	49	ug/L	1		6020B	Dissolved
Manganese	200		2.5	0.79	ug/L	1		6020B	Dissolved
Potassium	530		500	110	ug/L	1		6020B	Dissolved
Sodium	120000		200	77	ug/L	1		6020B	Dissolved
Strontium	3100		4.0	0.64	ug/L	1		6020B	Dissolved
Hardness as calcium carbonate	490		0.91	0.46	mg/L	1		SM 2340B	Total Recoverable
Bromide	2.1		1.0	0.45	mg/L	1		300.0	Total/NA
Chloride	240		1.0	0.42	mg/L	1		300.0	Total/NA
Sulfate	3.0		1.0	0.47	mg/L	1		300.0	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-5A_20250226 (Continued) — Lab Sample ID: 500-264590-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Phosphorus as P	0.027	J	0.050	0.024	mg/L	1		365.1	Total/NA
Alkalinity	330		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	330		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Salinity	0.55		0.33	0.33	psu	1		SM 2520B	Total/NA
Total Dissolved Solids	760		10	4.3	mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	2.4	J	5.0	1.9	mg/L	1		SM 2540D	Total/NA
Total Organic Carbon	2.3		1.0	0.47	mg/L	1		SM 5310C	Total/NA
Dissolved Organic Carbon	2.2		1.0	0.47	mg/L	1		SM 5310C	Dissolved

Client Sample ID: MW-5A_20250226_FBLL — Lab Sample ID: 500-264590-4

No Detections.

Client Sample ID: MW-43_20250226 — Lab Sample ID: 500-264590-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	0.33	J	0.50	0.20	ng/L	1		1631E	Total/NA
Uranium	68		0.050	0.0098	ug/L	1		1638	Total Recoverable
Uranium	68		0.050	0.0098	ug/L	1		1638	Dissolved
Aluminum	70	J	100	25	ug/L	1		6020B	Total Recoverable
Arsenic	0.84	J	1.0	0.23	ug/L	1		6020B	Total Recoverable
Barium	310		2.5	0.73	ug/L	1		6020B	Total Recoverable
Boron	79		50	13	ug/L	1		6020B	Total Recoverable
Calcium	20000		200	44	ug/L	1		6020B	Total Recoverable
Cobalt	0.40	J	1.0	0.40	ug/L	1		6020B	Total Recoverable
Copper	2.3		2.0	0.50	ug/L	1		6020B	Total Recoverable
Iron	140		100	47	ug/L	1		6020B	Total Recoverable
Lithium	46		10	2.5	ug/L	1		6020B	Total Recoverable
Magnesium	1300		200	49	ug/L	1		6020B	Total Recoverable
Manganese	1700		2.5	0.79	ug/L	1		6020B	Total Recoverable
Molybdenum	12		5.0	2.5	ug/L	1		6020B	Total Recoverable
Potassium	340	J	500	110	ug/L	1		6020B	Total Recoverable
Sodium	100000		200	77	ug/L	1		6020B	Total Recoverable
Strontium	400		4.0	0.64	ug/L	1		6020B	Total Recoverable
Vanadium	27		5.0	2.2	ug/L	1		6020B	Total Recoverable
Arsenic	0.67	J	1.0	0.23	ug/L	1		6020B	Dissolved
Barium	170		2.5	0.73	ug/L	1		6020B	Dissolved
Boron	81		50	13	ug/L	1		6020B	Dissolved
Calcium	20000		200	44	ug/L	1		6020B	Dissolved

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-43_20250226 (Continued) — Lab Sample ID: 500-264590-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lithium	46		10	2.5	ug/L	1		6020B	Dissolved
Magnesium	1300		200	49	ug/L	1		6020B	Dissolved
Manganese	19		2.5	0.79	ug/L	1		6020B	Dissolved
Molybdenum	10		5.0	2.5	ug/L	1		6020B	Dissolved
Potassium	250	J	500	110	ug/L	1		6020B	Dissolved
Sodium	100000		200	77	ug/L	1		6020B	Dissolved
Strontium	390		4.0	0.64	ug/L	1		6020B	Dissolved
Vanadium	16		5.0	2.2	ug/L	1		6020B	Dissolved
Hardness as calcium carbonate	56		0.91	0.46	mg/L	1		SM 2340B	Total Recoverable
Chloride	1.4		1.0	0.42	mg/L	1		300.0	Total/NA
Sulfate	10		1.0	0.47	mg/L	1		300.0	Total/NA
Alkalinity	250		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	250		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	280		10	4.3	mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	4.0	J	5.0	1.9	mg/L	1		SM 2540D	Total/NA
Total Organic Carbon	0.53	J	1.0	0.47	mg/L	1		SM 5310C	Total/NA
Dissolved Organic Carbon	0.59	J	1.0	0.47	mg/L	1		SM 5310C	Dissolved

Client Sample ID: MW-43_20250226_FBLL — Lab Sample ID: 500-264590-6

No Detections.

Client Sample ID: MW-44_20250226 — Lab Sample ID: 500-264590-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	0.36	J	0.50	0.20	ng/L	1		1631E	Total/NA
Uranium	8.2		0.050	0.0098	ug/L	1		1638	Total Recoverable
Uranium	12		0.050	0.0098	ug/L	1		1638	Dissolved
Aluminum	83	J	100	25	ug/L	1		6020B	Total Recoverable
Arsenic	0.39	J	1.0	0.23	ug/L	1		6020B	Total Recoverable
Barium	280		2.5	0.73	ug/L	1		6020B	Total Recoverable
Boron	230		50	13	ug/L	1		6020B	Total Recoverable
Calcium	38000		200	44	ug/L	1		6020B	Total Recoverable
Iron	85	J	100	47	ug/L	1		6020B	Total Recoverable
Lithium	33		10	2.5	ug/L	1		6020B	Total Recoverable
Magnesium	8800		200	49	ug/L	1		6020B	Total Recoverable
Manganese	130		2.5	0.79	ug/L	1		6020B	Total Recoverable
Molybdenum	66		5.0	2.5	ug/L	1		6020B	Total Recoverable
Potassium	970		500	110	ug/L	1		6020B	Total Recoverable
Sodium	100000		200	77	ug/L	1		6020B	Total Recoverable
Strontium	760		4.0	0.64	ug/L	1		6020B	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-44_20250226 (Continued) — Lab Sample ID: 500-264590-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.42	J	1.0	0.23	ug/L	1		6020B	Dissolved
Barium	300		2.5	0.73	ug/L	1		6020B	Dissolved
Boron	230		50	13	ug/L	1		6020B	Dissolved
Calcium	41000		200	44	ug/L	1		6020B	Dissolved
Lithium	33		10	2.5	ug/L	1		6020B	Dissolved
Magnesium	10000		200	49	ug/L	1		6020B	Dissolved
Manganese	150		2.5	0.79	ug/L	1		6020B	Dissolved
Molybdenum	49		5.0	2.5	ug/L	1		6020B	Dissolved
Potassium	1000		500	110	ug/L	1		6020B	Dissolved
Sodium	96000		200	77	ug/L	1		6020B	Dissolved
Strontium	830		4.0	0.64	ug/L	1		6020B	Dissolved
Hardness as calcium carbonate	130		0.91	0.46	mg/L	1		SM 2340B	Total Recoverable
Bromide	0.68	J	1.0	0.45	mg/L	1		300.0	Total/NA
Chloride	77		1.0	0.42	mg/L	1		300.0	Total/NA
Fluoride	0.98	J	1.0	0.43	mg/L	1		300.0	Total/NA
Sulfate	23		1.0	0.47	mg/L	1		300.0	Total/NA
Phosphorus as P	0.033	J	0.050	0.024	mg/L	1		365.1	Total/NA
Alkalinity	210		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	210		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	360		10	4.3	mg/L	1		SM 2540C	Total/NA
Dissolved Organic Carbon	0.55	J	1.0	0.47	mg/L	1		SM 5310C	Dissolved

Client Sample ID: MW-44_20250226_FBLL — Lab Sample ID: 500-264590-8

No Detections.

Client Sample ID: MW-43SB_20250227 — Lab Sample ID: 500-264590-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl Mercury	0.025	J	0.050	0.022	ng/L	1		1630	Total/NA
Mercury	1.0		0.50	0.20	ng/L	1		1631E	Total/NA
Mercury	0.46	J	0.50	0.20	ng/L	1		1631E	Dissolved
Uranium	0.90		0.050	0.0098	ug/L	1		1638	Total Recoverable
Uranium	0.23		0.050	0.0098	ug/L	1		1638	Dissolved
Aluminum	5100		100	25	ug/L	1		6020B	Total Recoverable
Arsenic	1.9		1.0	0.23	ug/L	1		6020B	Total Recoverable
Barium	350		2.5	0.73	ug/L	1		6020B	Total Recoverable
Boron	90		50	13	ug/L	1		6020B	Total Recoverable
Calcium	140000		200	44	ug/L	1		6020B	Total Recoverable
Chromium	9.5		5.0	1.1	ug/L	1		6020B	Total Recoverable
Cobalt	4.0		1.0	0.40	ug/L	1		6020B	Total Recoverable
Copper	13		2.0	0.50	ug/L	1		6020B	Total Recoverable
Iron	3700		100	47	ug/L	1		6020B	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-43SB_20250227 (Continued) — Lab Sample ID: 500-264590-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	1.6		0.50	0.19	ug/L	1		6020B	Total Recoverable
Lithium	40		10	2.5	ug/L	1		6020B	Total Recoverable
Magnesium	11000		200	49	ug/L	1		6020B	Total Recoverable
Manganese	630		2.5	0.79	ug/L	1		6020B	Total Recoverable
Molybdenum	12		5.0	2.5	ug/L	1		6020B	Total Recoverable
Nickel	8.1		2.0	0.63	ug/L	1		6020B	Total Recoverable
Potassium	4200		500	110	ug/L	1		6020B	Total Recoverable
Selenium	1.1	J ^1+	2.5	0.98	ug/L	1		6020B	Total Recoverable
Sodium	740000		200	77	ug/L	1		6020B	Total Recoverable
Strontium	2300		4.0	0.64	ug/L	1		6020B	Total Recoverable
Tin	2.3	J	5.0	1.3	ug/L	1		6020B	Total Recoverable
Vanadium	50		5.0	2.2	ug/L	1		6020B	Total Recoverable
Zinc	48		20	6.9	ug/L	1		6020B	Total Recoverable
Arsenic	0.29	J	1.0	0.23	ug/L	1		6020B	Dissolved
Barium	330		2.5	0.73	ug/L	1		6020B	Dissolved
Boron	92		50	13	ug/L	1		6020B	Dissolved
Calcium	150000		200	44	ug/L	1		6020B	Dissolved
Cobalt	0.54	J	1.0	0.40	ug/L	1		6020B	Dissolved
Lithium	35		10	2.5	ug/L	1		6020B	Dissolved
Magnesium	10000		200	49	ug/L	1		6020B	Dissolved
Manganese	550		2.5	0.79	ug/L	1		6020B	Dissolved
Molybdenum	13		5.0	2.5	ug/L	1		6020B	Dissolved
Nickel	1.0	J	2.0	0.63	ug/L	1		6020B	Dissolved
Potassium	2700		500	110	ug/L	1		6020B	Dissolved
Sodium	780000		200	77	ug/L	1		6020B	Dissolved
Strontium	2400		4.0	0.64	ug/L	1		6020B	Dissolved
Zinc	18	J	20	6.9	ug/L	1		6020B	Dissolved
Hardness as calcium carbonate	410		0.91	0.46	mg/L	1		SM 2340B	Total Recoverable
Bromide	15		1.0	0.45	mg/L	1		300.0	Total/NA
Chloride	1300		100	42	mg/L	100		300.0	Total/NA
Sulfate	10		1.0	0.47	mg/L	1		300.0	Total/NA
Alkalinity	44		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	44		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Salinity	2.8		0.33	0.33	psu	1		SM 2520B	Total/NA
Total Dissolved Solids	1500		10	4.3	mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	130		19	7.4	mg/L	1		SM 2540D	Total/NA

Client Sample ID: MW-43SB_20250227_FBLL — Lab Sample ID: 500-264590-10

No Detections.

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264590-1

Client Sample ID: MW-3B_20250226

Lab Sample ID: 500-264590-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	0.27	J	0.50	0.20	ng/L	1		1631E	Total/NA
Uranium	47		0.050	0.0098	ug/L	1		1638	Total Recoverable
Uranium	46		0.050	0.0098	ug/L	1		1638	Dissolved
Arsenic	0.27	J	1.0	0.23	ug/L	1		6020B	Total Recoverable
Barium	440		2.5	0.73	ug/L	1		6020B	Total Recoverable
Boron	93		50	13	ug/L	1		6020B	Total Recoverable
Calcium	86000		200	44	ug/L	1		6020B	Total Recoverable
Copper	0.59	J	2.0	0.50	ug/L	1		6020B	Total Recoverable
Lithium	36		10	2.5	ug/L	1		6020B	Total Recoverable
Magnesium	59000		200	49	ug/L	1		6020B	Total Recoverable
Manganese	18		2.5	0.79	ug/L	1		6020B	Total Recoverable
Potassium	1300		500	110	ug/L	1		6020B	Total Recoverable
Selenium	1.4	J ^1+	2.5	0.98	ug/L	1		6020B	Total Recoverable
Sodium	39000		200	77	ug/L	1		6020B	Total Recoverable
Strontium	1200		4.0	0.64	ug/L	1		6020B	Total Recoverable
Vanadium	4.1	J	5.0	2.2	ug/L	1		6020B	Total Recoverable
Zinc	8.5	J	20	6.9	ug/L	1		6020B	Total Recoverable
Arsenic	0.26	J	1.0	0.23	ug/L	1		6020B	Dissolved
Barium	430		2.5	0.73	ug/L	1		6020B	Dissolved
Boron	93		50	13	ug/L	1		6020B	Dissolved
Calcium	86000		200	44	ug/L	1		6020B	Dissolved
Copper	0.86	J	2.0	0.50	ug/L	1		6020B	Dissolved
Lithium	37		10	2.5	ug/L	1		6020B	Dissolved
Magnesium	59000		200	49	ug/L	1		6020B	Dissolved
Manganese	9.4		2.5	0.79	ug/L	1		6020B	Dissolved
Potassium	1300		500	110	ug/L	1		6020B	Dissolved
Selenium	1.7	J ^1+	2.5	0.98	ug/L	1		6020B	Dissolved
Sodium	39000		200	77	ug/L	1		6020B	Dissolved
Strontium	1200		4.0	0.64	ug/L	1		6020B	Dissolved
Vanadium	4.0	J	5.0	2.2	ug/L	1		6020B	Dissolved
Zinc	7.9	J	20	6.9	ug/L	1		6020B	Dissolved
Hardness as calcium carbonate	460		0.91	0.46	mg/L	1		SM 2340B	Total Recoverable
Chloride	38		1.0	0.42	mg/L	1		300.0	Total/NA
Sulfate	30		1.0	0.47	mg/L	1		300.0	Total/NA
Phosphorus as P	0.028	J	0.050	0.024	mg/L	1		365.1	Total/NA
Alkalinity	420		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	420		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	470		10	4.3	mg/L	1		SM 2540C	Total/NA
Total Organic Carbon	0.95	J	1.0	0.47	mg/L	1		SM 5310C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-3B_20250226 (Continued) — Lab Sample ID: 500-264590-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dissolved Organic Carbon	0.96	J	1.0	0.47	mg/L	1		SM 5310C	Dissolved

Client Sample ID: MW-3B_20250226_FBLL — Lab Sample ID: 500-264590-12

No Detections.

Client Sample ID: MW-3A_20250226 — Lab Sample ID: 500-264590-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Uranium	7.2		0.050	0.0098	ug/L	1		1638	Total Recoverable
Uranium	7.1		0.050	0.0098	ug/L	1		1638	Dissolved
Arsenic	2.5		1.0	0.23	ug/L	1		6020B	Total Recoverable
Barium	1000		2.5	0.73	ug/L	1		6020B	Total Recoverable
Boron	370		50	13	ug/L	1		6020B	Total Recoverable
Calcium	250000		200	44	ug/L	1		6020B	Total Recoverable
Cobalt	1.1		1.0	0.40	ug/L	1		6020B	Total Recoverable
Copper	0.60	J	2.0	0.50	ug/L	1		6020B	Total Recoverable
Iron	3000		100	47	ug/L	1		6020B	Total Recoverable
Lithium	95		10	2.5	ug/L	1		6020B	Total Recoverable
Magnesium	53000		200	49	ug/L	1		6020B	Total Recoverable
Manganese	4200		2.5	0.79	ug/L	1		6020B	Total Recoverable
Nickel	3.0		2.0	0.63	ug/L	1		6020B	Total Recoverable
Potassium	2100		500	110	ug/L	1		6020B	Total Recoverable
Sodium	160000		200	77	ug/L	1		6020B	Total Recoverable
Strontium	5000		4.0	0.64	ug/L	1		6020B	Total Recoverable
Arsenic	2.5		1.0	0.23	ug/L	1		6020B	Dissolved
Barium	990		2.5	0.73	ug/L	1		6020B	Dissolved
Boron	370		50	13	ug/L	1		6020B	Dissolved
Calcium	250000		200	44	ug/L	1		6020B	Dissolved
Cobalt	1.0		1.0	0.40	ug/L	1		6020B	Dissolved
Iron	3000		100	47	ug/L	1		6020B	Dissolved
Lithium	93		10	2.5	ug/L	1		6020B	Dissolved
Magnesium	52000		200	49	ug/L	1		6020B	Dissolved
Manganese	4100		2.5	0.79	ug/L	1		6020B	Dissolved
Nickel	2.9		2.0	0.63	ug/L	1		6020B	Dissolved
Potassium	2100		500	110	ug/L	1		6020B	Dissolved
Sodium	160000		200	77	ug/L	1		6020B	Dissolved
Strontium	5000		4.0	0.64	ug/L	1		6020B	Dissolved
Hardness as calcium carbonate	850		0.91	0.46	mg/L	1		SM 2340B	Total Recoverable
Bromide	4.6		1.0	0.45	mg/L	1		300.0	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-3A_20250226 (Continued) — Lab Sample ID: 500-264590-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	460		20	8.4	mg/L	20		300.0	Total/NA
Sulfate	3.9		1.0	0.47	mg/L	1		300.0	Total/NA
Alkalinity	450		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	450		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Salinity	1.2		0.33	0.33	psu	1		SM 2520B	Total/NA
Total Dissolved Solids	1300		10	4.3	mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	6.4		5.0	1.9	mg/L	1		SM 2540D	Total/NA
Total Organic Carbon	3.0		1.0	0.47	mg/L	1		SM 5310C	Total/NA
Dissolved Organic Carbon	3.2		1.0	0.47	mg/L	1		SM 5310C	Dissolved

Client Sample ID: MW-3A_20250226_FBLL — Lab Sample ID: 500-264590-14

No Detections.

Client Sample ID: ARC-02_20250227 — Lab Sample ID: 500-264590-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl Mercury	0.069		0.050	0.022	ng/L	1		1630	Total/NA
Methyl Mercury	0.051		0.050	0.022	ng/L	1		1630	Dissolved
Mercury	6.9	B	0.50	0.20	ng/L	1		1631E	Total/NA
Mercury	4.6	B	0.50	0.20	ng/L	1		1631E	Dissolved
Uranium	0.13		0.050	0.0098	ug/L	1		1638	Total Recoverable
Uranium	0.096		0.050	0.0098	ug/L	1		1638	Dissolved
Aluminum	910		100	25	ug/L	1		6020B	Total Recoverable
Arsenic	0.35	J	1.0	0.23	ug/L	1		6020B	Total Recoverable
Barium	19		2.5	0.73	ug/L	1		6020B	Total Recoverable
Boron	14	J	50	13	ug/L	1		6020B	Total Recoverable
Calcium	9900		200	44	ug/L	1		6020B	Total Recoverable
Chromium	1.2	J	5.0	1.1	ug/L	1		6020B	Total Recoverable
Copper	14		2.0	0.50	ug/L	1		6020B	Total Recoverable
Iron	1000		100	47	ug/L	1		6020B	Total Recoverable
Lead	0.47	J	0.50	0.19	ug/L	1		6020B	Total Recoverable
Magnesium	2300		200	49	ug/L	1		6020B	Total Recoverable
Manganese	48		2.5	0.79	ug/L	1		6020B	Total Recoverable
Nickel	0.82	J	2.0	0.63	ug/L	1		6020B	Total Recoverable
Potassium	1100		500	110	ug/L	1		6020B	Total Recoverable
Sodium	4000		200	77	ug/L	1		6020B	Total Recoverable
Strontium	32		4.0	0.64	ug/L	1		6020B	Total Recoverable
Zinc	7.0	J	20	6.9	ug/L	1		6020B	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client Sample ID: ARC-02_20250227 (Continued) — Lab Sample ID: 500-264590-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aluminum	97	J	100	25	ug/L	1		6020B	Dissolved
Arsenic	0.24	J	1.0	0.23	ug/L	1		6020B	Dissolved
Barium	15		2.5	0.73	ug/L	1		6020B	Dissolved
Boron	15	J	50	13	ug/L	1		6020B	Dissolved
Calcium	12000		200	44	ug/L	1		6020B	Dissolved
Copper	9.0		2.0	0.50	ug/L	1		6020B	Dissolved
Iron	210		100	47	ug/L	1		6020B	Dissolved
Magnesium	2500		200	49	ug/L	1		6020B	Dissolved
Manganese	13		2.5	0.79	ug/L	1		6020B	Dissolved
Potassium	940		500	110	ug/L	1		6020B	Dissolved
Sodium	1800		200	77	ug/L	1		6020B	Dissolved
Strontium	35		4.0	0.64	ug/L	1		6020B	Dissolved
Hardness as calcium carbonate	34		0.91	0.46	mg/L	1		SM 2340B	Total Recoverable
Chloride	2.3		1.0	0.42	mg/L	1		300.0	Total/NA
Sulfate	1.9		1.0	0.47	mg/L	1		300.0	Total/NA
Phosphorus as P	0.039	J	0.050	0.024	mg/L	1		365.1	Total/NA
Alkalinity	30		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	30		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	100		17	7.2	mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	10		5.0	1.9	mg/L	1		SM 2540D	Total/NA
Total Organic Carbon	7.8		1.0	0.47	mg/L	1		SM 5310C	Total/NA
Dissolved Organic Carbon	8.3		1.0	0.47	mg/L	1		SM 5310C	Dissolved

Client Sample ID: ARC-02_20250227_FBLL — Lab Sample ID: 500-264590-16

No Detections.

Client Sample ID: CBR-01_20250227 — Lab Sample ID: 500-264590-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl Mercury	0.10		0.050	0.022	ng/L	1		1630	Total/NA
Methyl Mercury	0.085		0.050	0.022	ng/L	1		1630	Dissolved
Mercury	6.5	B	0.50	0.20	ng/L	1		1631E	Total/NA
Mercury	4.7	B	0.50	0.20	ng/L	1		1631E	Dissolved
Uranium	0.13		0.050	0.0098	ug/L	1		1638	Total Recoverable
Uranium	0.095		0.050	0.0098	ug/L	1		1638	Dissolved
Aluminum	1600		100	25	ug/L	1		6020B	Total Recoverable
Arsenic	0.36	J	1.0	0.23	ug/L	1		6020B	Total Recoverable
Barium	35		2.5	0.73	ug/L	1		6020B	Total Recoverable
Boron	25	J	50	13	ug/L	1		6020B	Total Recoverable
Calcium	11000		200	44	ug/L	1		6020B	Total Recoverable
Chromium	1.8	J	5.0	1.1	ug/L	1		6020B	Total Recoverable
Cobalt	0.42	J	1.0	0.40	ug/L	1		6020B	Total Recoverable
Copper	4.5		2.0	0.50	ug/L	1		6020B	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client Sample ID: CBR-01_20250227 (Continued) — Lab Sample ID: 500-264590-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Iron	1300		100	47	ug/L	1		6020B	Total Recoverable
Lead	0.53		0.50	0.19	ug/L	1		6020B	Total Recoverable
Magnesium	3200		200	49	ug/L	1		6020B	Total Recoverable
Manganese	24		2.5	0.79	ug/L	1		6020B	Total Recoverable
Nickel	1.2	J	2.0	0.63	ug/L	1		6020B	Total Recoverable
Potassium	960		500	110	ug/L	1		6020B	Total Recoverable
Sodium	2500		200	77	ug/L	1		6020B	Total Recoverable
Strontium	41		4.0	0.64	ug/L	1		6020B	Total Recoverable
Vanadium	2.7	J	5.0	2.2	ug/L	1		6020B	Total Recoverable
Aluminum	73	J	100	25	ug/L	1		6020B	Dissolved
Barium	22		2.5	0.73	ug/L	1		6020B	Dissolved
Boron	27	J	50	13	ug/L	1		6020B	Dissolved
Calcium	11000		200	44	ug/L	1		6020B	Dissolved
Copper	2.8		2.0	0.50	ug/L	1		6020B	Dissolved
Iron	210		100	47	ug/L	1		6020B	Dissolved
Magnesium	3000		200	49	ug/L	1		6020B	Dissolved
Manganese	6.9		2.5	0.79	ug/L	1		6020B	Dissolved
Potassium	720		500	110	ug/L	1		6020B	Dissolved
Sodium	2600		200	77	ug/L	1		6020B	Dissolved
Strontium	40		4.0	0.64	ug/L	1		6020B	Dissolved
Hardness as calcium carbonate	41		0.91	0.46	mg/L	1		SM 2340B	Total Recoverable
Chloride	3.3		1.0	0.42	mg/L	1		300.0	Total/NA
Sulfate	2.2		1.0	0.47	mg/L	1		300.0	Total/NA
Cyanide, Total	0.015		0.0050	0.0036	mg/L	1		335.4	Total/NA
Phosphorus as P	0.029	J	0.050	0.024	mg/L	1		365.1	Total/NA
Alkalinity	34		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	34		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	74		10	4.3	mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	7.8		5.0	1.9	mg/L	1		SM 2540D	Total/NA
Total Organic Carbon	8.2		1.0	0.47	mg/L	1		SM 5310C	Total/NA
Dissolved Organic Carbon	7.9		1.0	0.47	mg/L	1		SM 5310C	Dissolved

Client Sample ID: CBR-01_20250227_FBLL — Lab Sample ID: 500-264590-18

No Detections.

This Detection Summary does not include radiochemical test results.

Method Summary

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264590-1

Method	Method Description	Protocol	Laboratory
1630	Methyl Mercury	EPA	EET SSM
1631E	Mercury, Low Level (CVAFS)	EPA	EET SSM
1638	Metals (ICP/MS)	EPA	EET SSM
6020B	Metals (ICP/MS)	SW846	EET CHI
SM 2340B	Total Hardness (as CaCO3) by calculation	SM	EET CHI
300.0	Anions, Ion Chromatography	EPA	EET CHI
335.4	Cyanide, Total	EPA	EET CHI
350.1	Nitrogen, Ammonia	EPA	EET CHI
365.1	Phosphorus, Total	EPA	EET CHI
SM 2320B	Alkalinity	SM	EET CHI
SM 2520B	Salinity	SM	EET CHI
SM 2540C	Solids, Total Dissolved (TDS)	SM	EET CHI
SM 2540D	Solids, Total Suspended (TSS)	SM	EET CHI
SM 4500 S2 F	Sulfide, Total	SM	EET CHI
SM 5310C	Organic Carbon, Dissolved (DOC)	SM	EET CHI
SM 5310C	TOC	SM	EET CHI
1630	Distillation, Methyl Mercury	EPA	EET SSM
1638	Preparation, Total Recoverable Metals	EPA	EET SSM
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET CHI
365.2/365.3/365	Phosphorus, Total	EPA	EET CHI
Distill/Ammonia	Distillation, Ammonia	None	EET CHI
Distill/CN	Distillation, Cyanide	None	EET CHI

Protocol References:

EPA = US Environmental Protection Agency

None = None

SM = "Standard Methods For The Examination Of Water And Wastewater"

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET CHI = Eurofins Chicago, 18410 Crossing Drive, Suite E, Tinley Park, IL 60487, TEL (708)534-5200

EET SSM = Eurofins Seattle Specialty Metals, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

Sample Summary

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264590-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-264590-1	DKC-02_20250226	Water	02/26/25 09:00	02/28/25 09:20
500-264590-2	DKC-02_20250226_FBLL	Water	02/26/25 09:00	02/28/25 09:20
500-264590-3	MW-5A_20250226	Water	02/26/25 10:30	02/28/25 09:20
500-264590-4	MW-5A_20250226_FBLL	Water	02/26/25 10:30	02/28/25 09:20
500-264590-5	MW-43_20250226	Water	02/26/25 16:45	02/28/25 09:20
500-264590-6	MW-43_20250226_FBLL	Water	02/26/25 16:45	02/28/25 09:20
500-264590-7	MW-44_20250226	Water	02/26/25 18:00	02/28/25 09:20
500-264590-8	MW-44_20250226_FBLL	Water	02/26/25 18:00	02/28/25 09:20
500-264590-9	MW-43SB_20250227	Water	02/27/25 12:00	02/28/25 09:20
500-264590-10	MW-43SB_20250227_FBLL	Water	02/27/25 12:00	02/28/25 09:20
500-264590-11	MW-3B_20250226	Water	02/26/25 15:20	02/28/25 09:20
500-264590-12	MW-3B_20250226_FBLL	Water	02/26/25 15:20	02/28/25 09:20
500-264590-13	MW-3A_20250226	Water	02/26/25 17:00	02/28/25 09:20
500-264590-14	MW-3A_20250226_FBLL	Water	02/26/25 17:00	02/28/25 09:20
500-264590-15	ARC-02_20250227	Water	02/27/25 10:00	02/28/25 09:20
500-264590-16	ARC-02_20250227_FBLL	Water	02/27/25 10:00	02/28/25 09:20
500-264590-17	CBR-01_20250227	Water	02/27/25 12:15	02/28/25 09:20
500-264590-18	CBR-01_20250227_FBLL	Water	02/27/25 12:15	02/28/25 09:20

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264590-1

Client Sample ID: DKC-02_20250226

Date Collected: 02/26/25 09:00
Date Received: 02/28/25 09:20

Lab Sample ID: 500-264590-1

Matrix: Water

Method: EPA 1630 - Methyl Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	**0.044**	**J**	0.050	0.022	ng/L		03/19/25 12:53	03/20/25 19:30	1

Method: EPA 1630 - Methyl Mercury - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	**0.034**	**J**	0.050	0.022	ng/L		03/19/25 12:53	03/20/25 19:40	1

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**4.8**		0.50	0.20	ng/L			03/06/25 19:33	1

Method: EPA 1631E - Mercury, Low Level (CVAFS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**3.3**		0.50	0.20	ng/L			03/06/25 19:37	1

Method: EPA 1638 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.22**		0.050	0.0098	ug/L		03/06/25 16:10	03/07/25 17:28	1

Method: EPA 1638 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.17**		0.050	0.0098	ug/L		03/06/25 16:10	03/07/25 15:22	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**700**		100	25	ug/L		03/07/25 08:15	03/17/25 15:48	1
Antimony	<1.3		3.0	1.3	ug/L		03/07/25 08:15	03/17/25 15:48	1
Arsenic	**0.36**	**J**	1.0	0.23	ug/L		03/07/25 08:15	03/17/25 15:48	1
Barium	**27**		2.5	0.73	ug/L		03/07/25 08:15	03/17/25 15:48	1
Beryllium	<0.53		1.0	0.53	ug/L		03/07/25 08:15	03/17/25 15:48	1
Boron	**17**	**J**	50	13	ug/L		03/07/25 08:15	03/17/25 15:48	1
Cadmium	<0.17		0.50	0.17	ug/L		03/07/25 08:15	03/17/25 15:48	1
Calcium	**9800**		200	44	ug/L		03/07/25 08:15	03/17/25 15:48	1
Chromium	<1.1		5.0	1.1	ug/L		03/07/25 08:15	03/17/25 15:48	1
Cobalt	<0.40		1.0	0.40	ug/L		03/07/25 08:15	03/17/25 15:48	1
Copper	**9.4**		2.0	0.50	ug/L		03/07/25 08:15	03/17/25 15:48	1
Iron	**1600**		100	47	ug/L		03/07/25 08:15	03/17/25 15:48	1
Lead	**0.26**	**J**	0.50	0.19	ug/L		03/07/25 08:15	03/17/25 15:48	1
Lithium	<2.5		10	2.5	ug/L		03/07/25 08:15	03/17/25 15:48	1
Magnesium	**2700**		200	49	ug/L		03/07/25 08:15	03/17/25 15:48	1
Manganese	**27**		2.5	0.79	ug/L		03/07/25 08:15	03/17/25 15:48	1
Molybdenum	<2.5		5.0	2.5	ug/L		03/07/25 08:15	03/17/25 15:48	1
Nickel	**0.68**	**J**	2.0	0.63	ug/L		03/07/25 08:15	03/17/25 15:48	1
Potassium	**980**		500	110	ug/L		03/07/25 08:15	03/17/25 15:48	1
Selenium	<0.98	^1+	2.5	0.98	ug/L		03/07/25 08:15	03/17/25 15:48	1
Silver	<0.12		0.50	0.12	ug/L		03/07/25 08:15	03/17/25 15:48	1
Sodium	**1700**		200	77	ug/L		03/07/25 08:15	03/17/25 15:48	1
Strontium	**36**		4.0	0.64	ug/L		03/07/25 08:15	03/17/25 15:48	1
Thallium	<0.57		2.0	0.57	ug/L		03/07/25 08:15	03/17/25 15:48	1
Tin	<1.3		5.0	1.3	ug/L		03/07/25 08:15	03/17/25 15:48	1
Vanadium	<2.2		5.0	2.2	ug/L		03/07/25 08:15	03/17/25 15:48	1
Zinc	<6.9		20	6.9	ug/L		03/07/25 08:15	03/17/25 15:48	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264590-1

Client Sample ID: DKC-02_20250226

Date Collected: 02/26/25 09:00
Date Received: 02/28/25 09:20

Lab Sample ID: 500-264590-1

Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**91**	**J**	100	25	ug/L		03/07/25 08:15	03/17/25 16:27	1
Antimony	<1.3		3.0	1.3	ug/L		03/07/25 08:15	03/17/25 16:27	1
Arsenic	**0.27**	**J**	1.0	0.23	ug/L		03/07/25 08:15	03/17/25 16:27	1
Barium	**21**		2.5	0.73	ug/L		03/07/25 08:15	03/17/25 16:27	1
Beryllium	<0.53		1.0	0.53	ug/L		03/07/25 08:15	03/17/25 16:27	1
Boron	<13		50	13	ug/L		03/07/25 08:15	03/17/25 16:27	1
Cadmium	<0.17		0.50	0.17	ug/L		03/07/25 08:15	03/17/25 16:27	1
Calcium	**9600**		200	44	ug/L		03/07/25 08:15	03/17/25 16:27	1
Chromium	<1.1		5.0	1.1	ug/L		03/07/25 08:15	03/17/25 16:27	1
Cobalt	<0.40		1.0	0.40	ug/L		03/07/25 08:15	03/17/25 16:27	1
Copper	**6.9**		2.0	0.50	ug/L		03/07/25 08:15	03/17/25 16:27	1
Iron	**660**		100	47	ug/L		03/07/25 08:15	03/17/25 16:27	1
Lead	<0.19		0.50	0.19	ug/L		03/07/25 08:15	03/17/25 16:27	1
Lithium	<2.5		10	2.5	ug/L		03/07/25 08:15	03/17/25 16:27	1
Magnesium	**2600**		200	49	ug/L		03/07/25 08:15	03/17/25 16:27	1
Manganese	**18**		2.5	0.79	ug/L		03/07/25 08:15	03/17/25 16:27	1
Molybdenum	<2.5		5.0	2.5	ug/L		03/07/25 08:15	03/17/25 16:27	1
Nickel	<0.63		2.0	0.63	ug/L		03/07/25 08:15	03/17/25 16:27	1
Potassium	**870**		500	110	ug/L		03/07/25 08:15	03/17/25 16:27	1
Selenium	<0.98	^1+	2.5	0.98	ug/L		03/07/25 08:15	03/17/25 16:27	1
Silver	<0.12		0.50	0.12	ug/L		03/07/25 08:15	03/17/25 16:27	1
Sodium	**1700**		200	77	ug/L		03/07/25 08:15	03/17/25 16:27	1
Strontium	**34**		4.0	0.64	ug/L		03/07/25 08:15	03/17/25 16:27	1
Thallium	<0.57		2.0	0.57	ug/L		03/07/25 08:15	03/17/25 16:27	1
Tin	<1.3		5.0	1.3	ug/L		03/07/25 08:15	03/17/25 16:27	1
Vanadium	<2.2		5.0	2.2	ug/L		03/07/25 08:15	03/17/25 16:27	1
Zinc	<6.9		20	6.9	ug/L		03/07/25 08:15	03/17/25 16:27	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**36**		0.91	0.46	mg/L		03/07/25 08:15	03/18/25 09:04	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	<0.45		1.0	0.45	mg/L			02/28/25 15:15	1
Nitrate as N (EPA 300.0)	<0.37	H3	1.0	0.37	mg/L			02/28/25 15:15	1
Chloride (EPA 300.0)	**0.95**	**J**	1.0	0.42	mg/L			02/28/25 15:15	1
Nitrite as N (EPA 300.0)	<0.25	H3	1.0	0.25	mg/L			02/28/25 15:15	1
Fluoride (EPA 300.0)	<0.43		1.0	0.43	mg/L			02/28/25 15:15	1
Nitrate Nitrite as N (EPA 300.0)	<0.37	H3	1.0	0.37	mg/L			02/28/25 15:15	1
Sulfate (EPA 300.0)	**1.4**		1.0	0.47	mg/L			02/28/25 15:15	1
Cyanide, Total (EPA 335.4)	**0.0050**		0.0050	0.0036	mg/L		03/03/25 13:17	03/04/25 15:28	1
Ammonia (EPA 350.1)	<0.10		0.20	0.10	mg/L		03/13/25 11:42	03/13/25 17:57	1
Phosphorus as P (EPA 365.1)	**0.039**	**J**	0.050	0.024	mg/L		03/05/25 07:50	03/06/25 13:45	1
Alkalinity (SM 2320B)	**35**		5.0	3.7	mg/L			03/04/25 17:30	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**35**		5.0	3.7	mg/L			03/04/25 17:30	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<3.7		5.0	3.7	mg/L			03/04/25 17:30	1
Salinity (SM 2520B)	<0.33		0.33	0.33	psu			03/17/25 07:43	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264590-1

Client Sample ID: DKC-02_20250226
Date Collected: 02/26/25 09:00
Date Received: 02/28/25 09:20

Lab Sample ID: 500-264590-1
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	52		10	4.3	mg/L			03/04/25 15:57	1
Total Suspended Solids (SM 2540D)	4.4	J	5.0	1.9	mg/L			03/03/25 15:44	1
Sulfide (SM 4500 S2 F)	2.0		1.0	0.23	mg/L			03/04/25 13:06	1
Total Organic Carbon (SM 5310C)	7.7		1.0	0.47	mg/L			03/10/25 19:50	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon (SM 5310C)	7.2		1.0	0.47	mg/L			03/11/25 12:29	1

Client Sample Results

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264590-1

Client Sample ID: DKC-02_20250226_FBLL
Date Collected: 02/26/25 09:00
Date Received: 02/28/25 09:20

Lab Sample ID: 500-264590-2
Matrix: Water

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	J	0.50	0.20	ng/L			03/06/25 19:41	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264590-1

Client Sample ID: MW-5A_20250226

Date Collected: 02/26/25 10:30
Date Received: 02/28/25 09:20

Lab Sample ID: 500-264590-3

Matrix: Water

Method: EPA 1630 - Methyl Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		03/05/25 12:50	03/05/25 20:18	1

Method: EPA 1630 - Methyl Mercury - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		03/05/25 12:50	03/05/25 20:49	1

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.32**	**J**	0.50	0.20	ng/L			03/06/25 13:40	1

Method: EPA 1631E - Mercury, Low Level (CVAFS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			03/06/25 13:45	1

Method: EPA 1638 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**11**		0.050	0.0098	ug/L		03/06/25 16:10	03/07/25 16:59	1

Method: EPA 1638 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**12**		0.050	0.0098	ug/L		03/06/25 16:10	03/07/25 14:47	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<25		100	25	ug/L		03/07/25 08:15	03/17/25 15:50	1
Antimony	<1.3		3.0	1.3	ug/L		03/07/25 08:15	03/17/25 15:50	1
Arsenic	**0.31**	**J**	1.0	0.23	ug/L		03/07/25 08:15	03/17/25 15:50	1
Barium	**620**		2.5	0.73	ug/L		03/07/25 08:15	03/17/25 15:50	1
Beryllium	<0.53		1.0	0.53	ug/L		03/07/25 08:15	03/17/25 15:50	1
Boron	**180**		50	13	ug/L		03/07/25 08:15	03/17/25 15:50	1
Cadmium	<0.17		0.50	0.17	ug/L		03/07/25 08:15	03/17/25 15:50	1
Calcium	**170000**		200	44	ug/L		03/07/25 08:15	03/17/25 15:50	1
Chromium	<1.1		5.0	1.1	ug/L		03/07/25 08:15	03/17/25 15:50	1
Cobalt	<0.40		1.0	0.40	ug/L		03/07/25 08:15	03/17/25 15:50	1
Copper	**1.3**	**J**	2.0	0.50	ug/L		03/07/25 08:15	03/17/25 15:50	1
Iron	<47		100	47	ug/L		03/07/25 08:15	03/17/25 15:50	1
Lead	<0.19		0.50	0.19	ug/L		03/07/25 08:15	03/17/25 15:50	1
Lithium	**57**		10	2.5	ug/L		03/07/25 08:15	03/17/25 15:50	1
Magnesium	**13000**		200	49	ug/L		03/07/25 08:15	03/17/25 15:50	1
Manganese	**350**		2.5	0.79	ug/L		03/07/25 08:15	03/17/25 15:50	1
Molybdenum	<2.5		5.0	2.5	ug/L		03/07/25 08:15	03/17/25 15:50	1
Nickel	<0.63		2.0	0.63	ug/L		03/07/25 08:15	03/17/25 15:50	1
Potassium	**510**		500	110	ug/L		03/07/25 08:15	03/17/25 15:50	1
Selenium	<0.98	^1+	2.5	0.98	ug/L		03/07/25 08:15	03/17/25 15:50	1
Silver	<0.12		0.50	0.12	ug/L		03/07/25 08:15	03/17/25 15:50	1
Sodium	**110000**		200	77	ug/L		03/07/25 08:15	03/17/25 15:50	1
Strontium	**3200**		4.0	0.64	ug/L		03/07/25 08:15	03/17/25 15:50	1
Thallium	<0.57		2.0	0.57	ug/L		03/07/25 08:15	03/17/25 15:50	1
Tin	<1.3		5.0	1.3	ug/L		03/07/25 08:15	03/17/25 15:50	1
Vanadium	<2.2		5.0	2.2	ug/L		03/07/25 08:15	03/17/25 15:50	1
Zinc	<6.9		20	6.9	ug/L		03/07/25 08:15	03/17/25 15:50	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264590-1

Client Sample ID: MW-5A_20250226

Date Collected: 02/26/25 10:30
Date Received: 02/28/25 09:20

Lab Sample ID: 500-264590-3

Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<25		100	25	ug/L		03/07/25 08:15	03/17/25 16:30	1
Antimony	<1.3		3.0	1.3	ug/L		03/07/25 08:15	03/17/25 16:30	1
Arsenic	**0.27**	**J**	1.0	0.23	ug/L		03/07/25 08:15	03/17/25 16:30	1
Barium	**640**		2.5	0.73	ug/L		03/07/25 08:15	03/17/25 16:30	1
Beryllium	<0.53		1.0	0.53	ug/L		03/07/25 08:15	03/17/25 16:30	1
Boron	**190**		50	13	ug/L		03/07/25 08:15	03/17/25 16:30	1
Cadmium	<0.17		0.50	0.17	ug/L		03/07/25 08:15	03/17/25 16:30	1
Calcium	**170000**		200	44	ug/L		03/07/25 08:15	03/17/25 16:30	1
Chromium	<1.1		5.0	1.1	ug/L		03/07/25 08:15	03/17/25 16:30	1
Cobalt	<0.40		1.0	0.40	ug/L		03/07/25 08:15	03/17/25 16:30	1
Copper	**1.0**	**J**	2.0	0.50	ug/L		03/07/25 08:15	03/17/25 16:30	1
Iron	<47		100	47	ug/L		03/07/25 08:15	03/17/25 16:30	1
Lead	<0.19		0.50	0.19	ug/L		03/07/25 08:15	03/17/25 16:30	1
Lithium	**61**		10	2.5	ug/L		03/07/25 08:15	03/17/25 16:30	1
Magnesium	**12000**		200	49	ug/L		03/07/25 08:15	03/17/25 16:30	1
Manganese	**200**		2.5	0.79	ug/L		03/07/25 08:15	03/17/25 16:30	1
Molybdenum	<2.5		5.0	2.5	ug/L		03/07/25 08:15	03/17/25 16:30	1
Nickel	<0.63		2.0	0.63	ug/L		03/07/25 08:15	03/17/25 16:30	1
Potassium	**530**		500	110	ug/L		03/07/25 08:15	03/17/25 16:30	1
Selenium	<0.98	^1+	2.5	0.98	ug/L		03/07/25 08:15	03/17/25 16:30	1
Silver	<0.12		0.50	0.12	ug/L		03/07/25 08:15	03/17/25 16:30	1
Sodium	**120000**		200	77	ug/L		03/07/25 08:15	03/17/25 16:30	1
Strontium	**3100**		4.0	0.64	ug/L		03/07/25 08:15	03/17/25 16:30	1
Thallium	<0.57		2.0	0.57	ug/L		03/07/25 08:15	03/17/25 16:30	1
Tin	<1.3		5.0	1.3	ug/L		03/07/25 08:15	03/17/25 16:30	1
Vanadium	<2.2		5.0	2.2	ug/L		03/07/25 08:15	03/17/25 16:30	1
Zinc	<6.9		20	6.9	ug/L		03/07/25 08:15	03/17/25 16:30	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**490**		0.91	0.46	mg/L		03/07/25 08:15	03/18/25 09:04	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	**2.1**		1.0	0.45	mg/L			02/28/25 16:01	1
Nitrate as N (EPA 300.0)	<0.37	H F1	1.0	0.37	mg/L			02/28/25 16:01	1
Chloride (EPA 300.0)	**240**		1.0	0.42	mg/L			02/28/25 16:01	1
Nitrite as N (EPA 300.0)	<0.25	H	1.0	0.25	mg/L			02/28/25 16:01	1
Fluoride (EPA 300.0)	<0.43		1.0	0.43	mg/L			02/28/25 16:01	1
Nitrate Nitrite as N (EPA 300.0)	<0.37	H F1	1.0	0.37	mg/L			02/28/25 16:01	1
Sulfate (EPA 300.0)	**3.0**		1.0	0.47	mg/L			02/28/25 16:01	1
Cyanide, Total (EPA 335.4)	<0.0036		0.0050	0.0036	mg/L		03/03/25 13:17	03/04/25 15:29	1
Ammonia (EPA 350.1)	<0.10		0.20	0.10	mg/L		03/13/25 11:42	03/13/25 17:58	1
Phosphorus as P (EPA 365.1)	**0.027**	**J**	0.050	0.024	mg/L		03/05/25 07:50	03/06/25 13:45	1
Alkalinity (SM 2320B)	**330**		5.0	3.7	mg/L			03/05/25 10:06	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**330**		5.0	3.7	mg/L			03/05/25 10:06	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<3.7		5.0	3.7	mg/L			03/05/25 10:06	1
Salinity (SM 2520B)	**0.55**		0.33	0.33	psu			03/17/25 07:43	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264590-1

Client Sample ID: MW-5A_20250226
Date Collected: 02/26/25 10:30
Date Received: 02/28/25 09:20

Lab Sample ID: 500-264590-3
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	760		10	4.3	mg/L			03/04/25 15:59	1
Total Suspended Solids (SM 2540D)	2.4	J	5.0	1.9	mg/L			03/03/25 15:46	1
Sulfide (SM 4500 S2 F)	<0.58		2.5	0.58	mg/L			03/04/25 13:09	1
Total Organic Carbon (SM 5310C)	2.3		1.0	0.47	mg/L			03/10/25 20:22	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon (SM 5310C)	2.2		1.0	0.47	mg/L			03/11/25 12:29	1

Client Sample Results

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264590-1

Client Sample ID: MW-5A_20250226_FBLL

Lab Sample ID: 500-264590-4

Date Collected: 02/26/25 10:30
Matrix: Water
Date Received: 02/28/25 09:20

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			03/06/25 13:49	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264590-1

Client Sample ID: MW-43_20250226

Date Collected: 02/26/25 16:45
Date Received: 02/28/25 09:20

Lab Sample ID: 500-264590-5

Matrix: Water

Method: EPA 1630 - Methyl Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		03/19/25 12:53	03/20/25 19:50	1

Method: EPA 1630 - Methyl Mercury - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		03/19/25 12:53	03/20/25 20:01	1

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.33**	**J**	0.50	0.20	ng/L			03/06/25 19:46	1

Method: EPA 1631E - Mercury, Low Level (CVAFS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			03/06/25 19:50	1

Method: EPA 1638 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**68**		0.050	0.0098	ug/L		03/06/25 16:10	03/07/25 17:31	1

Method: EPA 1638 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**68**		0.050	0.0098	ug/L		03/06/25 16:10	03/07/25 15:25	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**70**	**J**	100	25	ug/L		03/07/25 08:15	03/17/25 16:02	1
Antimony	<1.3		3.0	1.3	ug/L		03/07/25 08:15	03/17/25 16:02	1
Arsenic	**0.84**	**J**	1.0	0.23	ug/L		03/07/25 08:15	03/17/25 16:02	1
Barium	**310**		2.5	0.73	ug/L		03/07/25 08:15	03/17/25 16:02	1
Beryllium	<0.53		1.0	0.53	ug/L		03/07/25 08:15	03/17/25 16:02	1
Boron	**79**		50	13	ug/L		03/07/25 08:15	03/17/25 16:02	1
Cadmium	<0.17		0.50	0.17	ug/L		03/07/25 08:15	03/17/25 16:02	1
Calcium	**20000**		200	44	ug/L		03/07/25 08:15	03/17/25 16:02	1
Chromium	<1.1		5.0	1.1	ug/L		03/07/25 08:15	03/17/25 16:02	1
Cobalt	**0.40**	**J**	1.0	0.40	ug/L		03/07/25 08:15	03/17/25 16:02	1
Copper	**2.3**		2.0	0.50	ug/L		03/07/25 08:15	03/17/25 16:02	1
Iron	**140**		100	47	ug/L		03/07/25 08:15	03/17/25 16:02	1
Lead	<0.19		0.50	0.19	ug/L		03/07/25 08:15	03/17/25 16:02	1
Lithium	**46**		10	2.5	ug/L		03/07/25 08:15	03/17/25 16:02	1
Magnesium	**1300**		200	49	ug/L		03/07/25 08:15	03/17/25 16:02	1
Manganese	**1700**		2.5	0.79	ug/L		03/07/25 08:15	03/17/25 16:02	1
Molybdenum	**12**		5.0	2.5	ug/L		03/07/25 08:15	03/17/25 16:02	1
Nickel	<0.63		2.0	0.63	ug/L		03/07/25 08:15	03/17/25 16:02	1
Potassium	**340**	**J**	500	110	ug/L		03/07/25 08:15	03/17/25 16:02	1
Selenium	<0.98	^1+	2.5	0.98	ug/L		03/07/25 08:15	03/17/25 16:02	1
Silver	<0.12		0.50	0.12	ug/L		03/07/25 08:15	03/17/25 16:02	1
Sodium	**100000**		200	77	ug/L		03/07/25 08:15	03/17/25 16:02	1
Strontium	**400**		4.0	0.64	ug/L		03/07/25 08:15	03/17/25 16:02	1
Thallium	<0.57		2.0	0.57	ug/L		03/07/25 08:15	03/17/25 16:02	1
Tin	<1.3		5.0	1.3	ug/L		03/07/25 08:15	03/17/25 16:02	1
Vanadium	**27**		5.0	2.2	ug/L		03/07/25 08:15	03/17/25 16:02	1
Zinc	<6.9		20	6.9	ug/L		03/07/25 08:15	03/17/25 16:02	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264590-1

Client Sample ID: MW-43_20250226

Date Collected: 02/26/25 16:45
Date Received: 02/28/25 09:20

Lab Sample ID: 500-264590-5

Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<25		100	25	ug/L		03/07/25 08:15	03/17/25 16:47	1
Antimony	<1.3		3.0	1.3	ug/L		03/07/25 08:15	03/17/25 16:47	1
Arsenic	**0.67**	**J**	1.0	0.23	ug/L		03/07/25 08:15	03/17/25 16:47	1
Barium	**170**		2.5	0.73	ug/L		03/07/25 08:15	03/17/25 16:47	1
Beryllium	<0.53		1.0	0.53	ug/L		03/07/25 08:15	03/17/25 16:47	1
Boron	**81**		50	13	ug/L		03/07/25 08:15	03/17/25 16:47	1
Cadmium	<0.17		0.50	0.17	ug/L		03/07/25 08:15	03/17/25 16:47	1
Calcium	**20000**		200	44	ug/L		03/07/25 08:15	03/17/25 16:47	1
Chromium	<1.1		5.0	1.1	ug/L		03/07/25 08:15	03/17/25 16:47	1
Cobalt	<0.40		1.0	0.40	ug/L		03/07/25 08:15	03/17/25 16:47	1
Copper	<0.50		2.0	0.50	ug/L		03/07/25 08:15	03/17/25 16:47	1
Iron	<47		100	47	ug/L		03/07/25 08:15	03/17/25 16:47	1
Lead	<0.19		0.50	0.19	ug/L		03/07/25 08:15	03/17/25 16:47	1
Lithium	**46**		10	2.5	ug/L		03/07/25 08:15	03/17/25 16:47	1
Magnesium	**1300**		200	49	ug/L		03/07/25 08:15	03/17/25 16:47	1
Manganese	**19**		2.5	0.79	ug/L		03/07/25 08:15	03/17/25 16:47	1
Molybdenum	**10**		5.0	2.5	ug/L		03/07/25 08:15	03/17/25 16:47	1
Nickel	<0.63		2.0	0.63	ug/L		03/07/25 08:15	03/17/25 16:47	1
Potassium	**250**	**J**	500	110	ug/L		03/07/25 08:15	03/17/25 16:47	1
Selenium	<0.98	^1+	2.5	0.98	ug/L		03/07/25 08:15	03/17/25 16:47	1
Silver	<0.12		0.50	0.12	ug/L		03/07/25 08:15	03/17/25 16:47	1
Sodium	**100000**		200	77	ug/L		03/07/25 08:15	03/17/25 16:47	1
Strontium	**390**		4.0	0.64	ug/L		03/07/25 08:15	03/17/25 16:47	1
Thallium	<0.57		2.0	0.57	ug/L		03/07/25 08:15	03/17/25 16:47	1
Tin	<1.3		5.0	1.3	ug/L		03/07/25 08:15	03/17/25 16:47	1
Vanadium	**16**		5.0	2.2	ug/L		03/07/25 08:15	03/17/25 16:47	1
Zinc	<6.9		20	6.9	ug/L		03/07/25 08:15	03/17/25 16:47	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**56**		0.91	0.46	mg/L		03/07/25 08:15	03/18/25 09:04	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	<0.45		1.0	0.45	mg/L			02/28/25 12:20	1
Nitrate as N (EPA 300.0)	<0.37		1.0	0.37	mg/L			02/28/25 12:20	1
Chloride (EPA 300.0)	**1.4**		1.0	0.42	mg/L			02/28/25 12:20	1
Nitrite as N (EPA 300.0)	<0.25		1.0	0.25	mg/L			02/28/25 12:20	1
Fluoride (EPA 300.0)	<0.43		1.0	0.43	mg/L			02/28/25 12:20	1
Nitrate Nitrite as N (EPA 300.0)	<0.37		1.0	0.37	mg/L			02/28/25 12:20	1
Sulfate (EPA 300.0)	**10**		1.0	0.47	mg/L			02/28/25 12:20	1
Cyanide, Total (EPA 335.4)	<0.0036		0.0050	0.0036	mg/L		03/03/25 13:17	03/04/25 15:33	1
Ammonia (EPA 350.1)	<0.10		0.20	0.10	mg/L		03/13/25 11:42	03/13/25 18:03	1
Phosphorus as P (EPA 365.1)	<0.024		0.050	0.024	mg/L		03/05/25 07:50	03/06/25 13:47	1
Alkalinity (SM 2320B)	**250**		5.0	3.7	mg/L			03/04/25 16:58	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**250**		5.0	3.7	mg/L			03/04/25 16:58	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<3.7		5.0	3.7	mg/L			03/04/25 16:58	1
Salinity (SM 2520B)	<0.33		0.33	0.33	psu			03/17/25 07:43	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264590-1

Client Sample ID: MW-43_20250226
Date Collected: 02/26/25 16:45
Date Received: 02/28/25 09:20

Lab Sample ID: 500-264590-5
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	280		10	4.3	mg/L			03/04/25 16:05	1
Total Suspended Solids (SM 2540D)	4.0	J	5.0	1.9	mg/L			03/03/25 15:54	1
Sulfide (SM 4500 S2 F)	<0.23		1.0	0.23	mg/L			03/04/25 13:19	1
Total Organic Carbon (SM 5310C)	0.53	J	1.0	0.47	mg/L			03/10/25 21:59	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon (SM 5310C)	0.59	J	1.0	0.47	mg/L			03/11/25 12:29	1

Client Sample Results

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264590-1

Client Sample ID: MW-43_20250226_FBLL

Date Collected: 02/26/25 16:45
Date Received: 02/28/25 09:20

Lab Sample ID: 500-264590-6

Matrix: Water

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			03/06/25 19:54	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264590-1

Client Sample ID: MW-44_20250226

Date Collected: 02/26/25 18:00
Date Received: 02/28/25 09:20

Lab Sample ID: 500-264590-7

Matrix: Water

Method: EPA 1630 - Methyl Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		03/19/25 12:53	03/20/25 20:31	1

Method: EPA 1630 - Methyl Mercury - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		03/19/25 12:53	03/20/25 20:41	1

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.36**	**J**	0.50	0.20	ng/L			03/06/25 19:58	1

Method: EPA 1631E - Mercury, Low Level (CVAFS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			03/06/25 20:02	1

Method: EPA 1638 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**8.2**		0.050	0.0098	ug/L		03/06/25 16:10	03/07/25 17:35	1

Method: EPA 1638 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**12**		0.050	0.0098	ug/L		03/06/25 16:10	03/07/25 15:29	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**83**	**J**	100	25	ug/L		03/07/25 08:15	03/17/25 16:13	1
Antimony	<1.3		3.0	1.3	ug/L		03/07/25 08:15	03/17/25 16:13	1
Arsenic	**0.39**	**J**	1.0	0.23	ug/L		03/07/25 08:15	03/17/25 16:13	1
Barium	**280**		2.5	0.73	ug/L		03/07/25 08:15	03/17/25 16:13	1
Beryllium	<0.53		1.0	0.53	ug/L		03/07/25 08:15	03/17/25 16:13	1
Boron	**230**		50	13	ug/L		03/07/25 08:15	03/17/25 16:13	1
Cadmium	<0.17		0.50	0.17	ug/L		03/07/25 08:15	03/17/25 16:13	1
Calcium	**38000**		200	44	ug/L		03/07/25 08:15	03/17/25 16:13	1
Chromium	<1.1		5.0	1.1	ug/L		03/07/25 08:15	03/17/25 16:13	1
Cobalt	<0.40		1.0	0.40	ug/L		03/07/25 08:15	03/17/25 16:13	1
Copper	<0.50		2.0	0.50	ug/L		03/07/25 08:15	03/17/25 16:13	1
Iron	**85**	**J**	100	47	ug/L		03/07/25 08:15	03/17/25 16:13	1
Lead	<0.19		0.50	0.19	ug/L		03/07/25 08:15	03/17/25 16:13	1
Lithium	**33**		10	2.5	ug/L		03/07/25 08:15	03/17/25 16:13	1
Magnesium	**8800**		200	49	ug/L		03/07/25 08:15	03/17/25 16:13	1
Manganese	**130**		2.5	0.79	ug/L		03/07/25 08:15	03/17/25 16:13	1
Molybdenum	**66**		5.0	2.5	ug/L		03/07/25 08:15	03/17/25 16:13	1
Nickel	<0.63		2.0	0.63	ug/L		03/07/25 08:15	03/17/25 16:13	1
Potassium	**970**		500	110	ug/L		03/07/25 08:15	03/17/25 16:13	1
Selenium	<0.98	^1+	2.5	0.98	ug/L		03/07/25 08:15	03/17/25 16:13	1
Silver	<0.12		0.50	0.12	ug/L		03/07/25 08:15	03/17/25 16:13	1
Sodium	**100000**		200	77	ug/L		03/07/25 08:15	03/17/25 16:13	1
Strontium	**760**		4.0	0.64	ug/L		03/07/25 08:15	03/17/25 16:13	1
Thallium	<0.57		2.0	0.57	ug/L		03/07/25 08:15	03/17/25 16:13	1
Tin	<1.3		5.0	1.3	ug/L		03/07/25 08:15	03/17/25 16:13	1
Vanadium	<2.2		5.0	2.2	ug/L		03/07/25 08:15	03/17/25 16:13	1
Zinc	<6.9		20	6.9	ug/L		03/07/25 08:15	03/17/25 16:13	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264590-1

Client Sample ID: MW-44_20250226

Date Collected: 02/26/25 18:00
Date Received: 02/28/25 09:20

Lab Sample ID: 500-264590-7

Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<25		100	25	ug/L		03/07/25 08:15	03/17/25 16:49	1
Antimony	<1.3		3.0	1.3	ug/L		03/07/25 08:15	03/17/25 16:49	1
Arsenic	**0.42**	**J**	1.0	0.23	ug/L		03/07/25 08:15	03/17/25 16:49	1
Barium	**300**		2.5	0.73	ug/L		03/07/25 08:15	03/17/25 16:49	1
Beryllium	<0.53		1.0	0.53	ug/L		03/07/25 08:15	03/17/25 16:49	1
Boron	**230**		50	13	ug/L		03/07/25 08:15	03/17/25 16:49	1
Cadmium	<0.17		0.50	0.17	ug/L		03/07/25 08:15	03/17/25 16:49	1
Calcium	**41000**		200	44	ug/L		03/07/25 08:15	03/17/25 16:49	1
Chromium	<1.1		5.0	1.1	ug/L		03/07/25 08:15	03/17/25 16:49	1
Cobalt	<0.40		1.0	0.40	ug/L		03/07/25 08:15	03/17/25 16:49	1
Copper	<0.50		2.0	0.50	ug/L		03/07/25 08:15	03/17/25 16:49	1
Iron	<47		100	47	ug/L		03/07/25 08:15	03/17/25 16:49	1
Lead	<0.19		0.50	0.19	ug/L		03/07/25 08:15	03/17/25 16:49	1
Lithium	**33**		10	2.5	ug/L		03/07/25 08:15	03/17/25 16:49	1
Magnesium	**10000**		200	49	ug/L		03/07/25 08:15	03/17/25 16:49	1
Manganese	**150**		2.5	0.79	ug/L		03/07/25 08:15	03/17/25 16:49	1
Molybdenum	**49**		5.0	2.5	ug/L		03/07/25 08:15	03/17/25 16:49	1
Nickel	<0.63		2.0	0.63	ug/L		03/07/25 08:15	03/17/25 16:49	1
Potassium	**1000**		500	110	ug/L		03/07/25 08:15	03/17/25 16:49	1
Selenium	<0.98	^1+	2.5	0.98	ug/L		03/07/25 08:15	03/17/25 16:49	1
Silver	<0.12		0.50	0.12	ug/L		03/07/25 08:15	03/17/25 16:49	1
Sodium	**96000**		200	77	ug/L		03/07/25 08:15	03/17/25 16:49	1
Strontium	**830**		4.0	0.64	ug/L		03/07/25 08:15	03/17/25 16:49	1
Thallium	<0.57		2.0	0.57	ug/L		03/07/25 08:15	03/17/25 16:49	1
Tin	<1.3		5.0	1.3	ug/L		03/07/25 08:15	03/17/25 16:49	1
Vanadium	<2.2		5.0	2.2	ug/L		03/07/25 08:15	03/17/25 16:49	1
Zinc	<6.9		20	6.9	ug/L		03/07/25 08:15	03/17/25 16:49	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**130**		0.91	0.46	mg/L		03/07/25 08:15	03/18/25 09:04	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	**0.68**	**J**	1.0	0.45	mg/L			02/28/25 12:35	1
Nitrate as N (EPA 300.0)	<0.37		1.0	0.37	mg/L			02/28/25 12:35	1
Chloride (EPA 300.0)	**77**		1.0	0.42	mg/L			02/28/25 12:35	1
Nitrite as N (EPA 300.0)	<0.25		1.0	0.25	mg/L			02/28/25 12:35	1
Fluoride (EPA 300.0)	**0.98**	**J**	1.0	0.43	mg/L			02/28/25 12:35	1
Nitrate Nitrite as N (EPA 300.0)	<0.37		1.0	0.37	mg/L			02/28/25 12:35	1
Sulfate (EPA 300.0)	**23**		1.0	0.47	mg/L			02/28/25 12:35	1
Cyanide, Total (EPA 335.4)	<0.0036		0.0050	0.0036	mg/L		03/03/25 13:17	03/04/25 15:33	1
Ammonia (EPA 350.1)	<0.10		0.20	0.10	mg/L		03/13/25 11:42	03/13/25 18:04	1
Phosphorus as P (EPA 365.1)	**0.033**	**J**	0.050	0.024	mg/L		03/05/25 07:50	03/06/25 13:47	1
Alkalinity (SM 2320B)	**210**		5.0	3.7	mg/L			03/04/25 17:08	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**210**		5.0	3.7	mg/L			03/04/25 17:08	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<3.7		5.0	3.7	mg/L			03/04/25 17:08	1
Salinity (SM 2520B)	<0.33		0.33	0.33	psu			03/17/25 07:43	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264590-1

Client Sample ID: MW-44_20250226
Date Collected: 02/26/25 18:00
Date Received: 02/28/25 09:20

Lab Sample ID: 500-264590-7
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**360**		10	4.3	mg/L			03/04/25 16:07	1
Total Suspended Solids (SM 2540D)	<1.9		5.0	1.9	mg/L			03/04/25 10:58	1
Sulfide (SM 4500 S2 F)	<0.58		2.5	0.58	mg/L			03/04/25 13:22	1
Total Organic Carbon (SM 5310C)	<0.47		1.0	0.47	mg/L			03/10/25 22:31	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon (SM 5310C)	**0.55**	**J**	1.0	0.47	mg/L			03/11/25 12:29	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264590-1

Client Sample ID: MW-44_20250226_FBLL
Date Collected: 02/26/25 18:00
Date Received: 02/28/25 09:20

Lab Sample ID: 500-264590-8
Matrix: Water

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			03/06/25 20:06	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264590-1

Client Sample ID: MW-43SB_20250227

Date Collected: 02/27/25 12:00
Date Received: 02/28/25 09:20

Lab Sample ID: 500-264590-9

Matrix: Water

Method: EPA 1630 - Methyl Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	**0.025**	**J**	0.050	0.022	ng/L		03/19/25 12:53	03/20/25 20:51	1

Method: EPA 1630 - Methyl Mercury - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		03/19/25 12:53	03/20/25 21:02	1

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**1.0**		0.50	0.20	ng/L			03/06/25 20:19	1

Method: EPA 1631E - Mercury, Low Level (CVAFS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.46**	**J**	0.50	0.20	ng/L			03/06/25 20:23	1

Method: EPA 1638 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.90**		0.050	0.0098	ug/L		03/06/25 16:10	03/07/25 17:38	1

Method: EPA 1638 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.23**		0.050	0.0098	ug/L		03/06/25 16:10	03/07/25 15:32	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**5100**		100	25	ug/L		03/07/25 08:15	03/17/25 16:15	1
Antimony	<1.3		3.0	1.3	ug/L		03/07/25 08:15	03/17/25 16:15	1
Arsenic	**1.9**		1.0	0.23	ug/L		03/07/25 08:15	03/17/25 16:15	1
Barium	**350**		2.5	0.73	ug/L		03/07/25 08:15	03/17/25 16:15	1
Beryllium	<0.53		1.0	0.53	ug/L		03/07/25 08:15	03/17/25 16:15	1
Boron	**90**		50	13	ug/L		03/07/25 08:15	03/17/25 16:15	1
Cadmium	<0.17		0.50	0.17	ug/L		03/07/25 08:15	03/17/25 16:15	1
Calcium	**140000**		200	44	ug/L		03/07/25 08:15	03/17/25 16:15	1
Chromium	**9.5**		5.0	1.1	ug/L		03/07/25 08:15	03/17/25 16:15	1
Cobalt	**4.0**		1.0	0.40	ug/L		03/07/25 08:15	03/17/25 16:15	1
Copper	**13**		2.0	0.50	ug/L		03/07/25 08:15	03/17/25 16:15	1
Iron	**3700**		100	47	ug/L		03/07/25 08:15	03/17/25 16:15	1
Lead	**1.6**		0.50	0.19	ug/L		03/07/25 08:15	03/17/25 16:15	1
Lithium	**40**		10	2.5	ug/L		03/07/25 08:15	03/17/25 16:15	1
Magnesium	**11000**		200	49	ug/L		03/07/25 08:15	03/17/25 16:15	1
Manganese	**630**		2.5	0.79	ug/L		03/07/25 08:15	03/17/25 16:15	1
Molybdenum	**12**		5.0	2.5	ug/L		03/07/25 08:15	03/17/25 16:15	1
Nickel	**8.1**		2.0	0.63	ug/L		03/07/25 08:15	03/17/25 16:15	1
Potassium	**4200**		500	110	ug/L		03/07/25 08:15	03/17/25 16:15	1
Selenium	**1.1**	**J ^1+**	2.5	0.98	ug/L		03/07/25 08:15	03/17/25 16:15	1
Silver	<0.12		0.50	0.12	ug/L		03/07/25 08:15	03/17/25 16:15	1
Sodium	**740000**		200	77	ug/L		03/07/25 08:15	03/17/25 16:15	1
Strontium	**2300**		4.0	0.64	ug/L		03/07/25 08:15	03/17/25 16:15	1
Thallium	<0.57		2.0	0.57	ug/L		03/07/25 08:15	03/17/25 16:15	1
Tin	**2.3**	**J**	5.0	1.3	ug/L		03/07/25 08:15	03/17/25 16:15	1
Vanadium	**50**		5.0	2.2	ug/L		03/07/25 08:15	03/17/25 16:15	1
Zinc	**48**		20	6.9	ug/L		03/07/25 08:15	03/17/25 16:15	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264590-1

Client Sample ID: MW-43SB_20250227

Lab Sample ID: 500-264590-9

Date Collected: 02/27/25 12:00

Matrix: Water

Date Received: 02/28/25 09:20

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<25		100	25	ug/L		03/07/25 08:15	03/17/25 16:52	1
Antimony	<1.3		3.0	1.3	ug/L		03/07/25 08:15	03/17/25 16:52	1
Arsenic	**0.29**	**J**	1.0	0.23	ug/L		03/07/25 08:15	03/17/25 16:52	1
Barium	**330**		2.5	0.73	ug/L		03/07/25 08:15	03/17/25 16:52	1
Beryllium	<0.53		1.0	0.53	ug/L		03/07/25 08:15	03/17/25 16:52	1
Boron	**92**		50	13	ug/L		03/07/25 08:15	03/17/25 16:52	1
Cadmium	<0.17		0.50	0.17	ug/L		03/07/25 08:15	03/17/25 16:52	1
Calcium	**150000**		200	44	ug/L		03/07/25 08:15	03/17/25 16:52	1
Chromium	<1.1		5.0	1.1	ug/L		03/07/25 08:15	03/17/25 16:52	1
Cobalt	**0.54**	**J**	1.0	0.40	ug/L		03/07/25 08:15	03/17/25 16:52	1
Copper	<0.50		2.0	0.50	ug/L		03/07/25 08:15	03/17/25 16:52	1
Iron	<47		100	47	ug/L		03/07/25 08:15	03/17/25 16:52	1
Lead	<0.19		0.50	0.19	ug/L		03/07/25 08:15	03/17/25 16:52	1
Lithium	**35**		10	2.5	ug/L		03/07/25 08:15	03/17/25 16:52	1
Magnesium	**10000**		200	49	ug/L		03/07/25 08:15	03/17/25 16:52	1
Manganese	**550**		2.5	0.79	ug/L		03/07/25 08:15	03/17/25 16:52	1
Molybdenum	**13**		5.0	2.5	ug/L		03/07/25 08:15	03/17/25 16:52	1
Nickel	**1.0**	**J**	2.0	0.63	ug/L		03/07/25 08:15	03/17/25 16:52	1
Potassium	**2700**		500	110	ug/L		03/07/25 08:15	03/17/25 16:52	1
Selenium	<0.98	^1+	2.5	0.98	ug/L		03/07/25 08:15	03/17/25 16:52	1
Silver	<0.12		0.50	0.12	ug/L		03/07/25 08:15	03/17/25 16:52	1
Sodium	**780000**		200	77	ug/L		03/07/25 08:15	03/17/25 16:52	1
Strontium	**2400**		4.0	0.64	ug/L		03/07/25 08:15	03/17/25 16:52	1
Thallium	<0.57		2.0	0.57	ug/L		03/07/25 08:15	03/17/25 16:52	1
Tin	<1.3		5.0	1.3	ug/L		03/07/25 08:15	03/17/25 16:52	1
Vanadium	<2.2		5.0	2.2	ug/L		03/07/25 08:15	03/17/25 16:52	1
Zinc	**18**	**J**	20	6.9	ug/L		03/07/25 08:15	03/17/25 16:52	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**410**		0.91	0.46	mg/L		03/07/25 08:15	03/18/25 09:04	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	**15**		1.0	0.45	mg/L			02/28/25 12:51	1
Nitrate as N (EPA 300.0)	<0.37		1.0	0.37	mg/L			02/28/25 12:51	1
Chloride (EPA 300.0)	**1300**		100	42	mg/L			03/12/25 16:36	100
Nitrite as N (EPA 300.0)	<0.25		1.0	0.25	mg/L			02/28/25 12:51	1
Fluoride (EPA 300.0)	<0.43		1.0	0.43	mg/L			02/28/25 12:51	1
Nitrate Nitrite as N (EPA 300.0)	<0.37		1.0	0.37	mg/L			02/28/25 12:51	1
Sulfate (EPA 300.0)	**10**		1.0	0.47	mg/L			02/28/25 12:51	1
Cyanide, Total (EPA 335.4)	<0.0036		0.0050	0.0036	mg/L		03/05/25 12:10	03/05/25 15:55	1
Ammonia (EPA 350.1)	<0.10		0.20	0.10	mg/L		03/13/25 11:42	03/13/25 18:05	1
Phosphorus as P (EPA 365.1)	<0.024		0.050	0.024	mg/L		03/05/25 07:50	03/06/25 13:47	1
Alkalinity (SM 2320B)	**44**		5.0	3.7	mg/L			03/04/25 16:50	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**44**		5.0	3.7	mg/L			03/04/25 16:50	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<3.7		5.0	3.7	mg/L			03/04/25 16:50	1
Salinity (SM 2520B)	**2.8**		0.33	0.33	psu			03/17/25 07:43	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264590-1

Client Sample ID: MW-43SB_20250227

Date Collected: 02/27/25 12:00
Date Received: 02/28/25 09:20

Lab Sample ID: 500-264590-9

Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**1500**		10	4.3	mg/L			03/06/25 16:34	1
Total Suspended Solids (SM 2540D)	**130**		19	7.4	mg/L			03/04/25 11:01	1
Sulfide (SM 4500 S2 F)	<0.58		2.5	0.58	mg/L			03/04/25 13:26	1
Total Organic Carbon (SM 5310C)	<0.47		1.0	0.47	mg/L			03/10/25 23:03	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon (SM 5310C)	<0.47		1.0	0.47	mg/L			03/11/25 12:29	1

Client Sample Results

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264590-1

Client Sample ID: MW-43SB_20250227_FBLL
Date Collected: 02/27/25 12:00
Date Received: 02/28/25 09:20

Lab Sample ID: 500-264590-10
Matrix: Water

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			03/06/25 20:27	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264590-1

Client Sample ID: MW-3B_20250226

Date Collected: 02/26/25 15:20
Date Received: 02/28/25 09:20

Lab Sample ID: 500-264590-11

Matrix: Water

Method: EPA 1630 - Methyl Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		03/19/25 12:53	03/20/25 21:12	1

Method: EPA 1630 - Methyl Mercury - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		03/19/25 12:53	03/20/25 21:22	1

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.27**	**J**	0.50	0.20	ng/L			03/06/25 20:31	1

Method: EPA 1631E - Mercury, Low Level (CVAFS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			03/06/25 20:35	1

Method: EPA 1638 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**47**		0.050	0.0098	ug/L		03/06/25 16:10	03/07/25 17:42	1

Method: EPA 1638 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**46**		0.050	0.0098	ug/L		03/06/25 16:10	03/07/25 15:36	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<25		100	25	ug/L		03/07/25 08:15	03/17/25 16:18	1
Antimony	<1.3		3.0	1.3	ug/L		03/07/25 08:15	03/17/25 16:18	1
Arsenic	**0.27**	**J**	1.0	0.23	ug/L		03/07/25 08:15	03/17/25 16:18	1
Barium	**440**		2.5	0.73	ug/L		03/07/25 08:15	03/17/25 16:18	1
Beryllium	<0.53		1.0	0.53	ug/L		03/07/25 08:15	03/17/25 16:18	1
Boron	**93**		50	13	ug/L		03/07/25 08:15	03/17/25 16:18	1
Cadmium	<0.17		0.50	0.17	ug/L		03/07/25 08:15	03/17/25 16:18	1
Calcium	**86000**		200	44	ug/L		03/07/25 08:15	03/17/25 16:18	1
Chromium	<1.1		5.0	1.1	ug/L		03/07/25 08:15	03/17/25 16:18	1
Cobalt	<0.40		1.0	0.40	ug/L		03/07/25 08:15	03/17/25 16:18	1
Copper	**0.59**	**J**	2.0	0.50	ug/L		03/07/25 08:15	03/17/25 16:18	1
Iron	<47		100	47	ug/L		03/07/25 08:15	03/17/25 16:18	1
Lead	<0.19		0.50	0.19	ug/L		03/07/25 08:15	03/17/25 16:18	1
Lithium	**36**		10	2.5	ug/L		03/07/25 08:15	03/17/25 16:18	1
Magnesium	**59000**		200	49	ug/L		03/07/25 08:15	03/17/25 16:18	1
Manganese	**18**		2.5	0.79	ug/L		03/07/25 08:15	03/17/25 16:18	1
Molybdenum	<2.5		5.0	2.5	ug/L		03/07/25 08:15	03/17/25 16:18	1
Nickel	<0.63		2.0	0.63	ug/L		03/07/25 08:15	03/17/25 16:18	1
Potassium	**1300**		500	110	ug/L		03/07/25 08:15	03/17/25 16:18	1
Selenium	**1.4**	**J ^1+**	2.5	0.98	ug/L		03/07/25 08:15	03/17/25 16:18	1
Silver	<0.12		0.50	0.12	ug/L		03/07/25 08:15	03/17/25 16:18	1
Sodium	**39000**		200	77	ug/L		03/07/25 08:15	03/17/25 16:18	1
Strontium	**1200**		4.0	0.64	ug/L		03/07/25 08:15	03/17/25 16:18	1
Thallium	<0.57		2.0	0.57	ug/L		03/07/25 08:15	03/17/25 16:18	1
Tin	<1.3		5.0	1.3	ug/L		03/07/25 08:15	03/17/25 16:18	1
Vanadium	**4.1**	**J**	5.0	2.2	ug/L		03/07/25 08:15	03/17/25 16:18	1
Zinc	**8.5**	**J**	20	6.9	ug/L		03/07/25 08:15	03/17/25 16:18	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264590-1

Client Sample ID: MW-3B_20250226

Date Collected: 02/26/25 15:20
Date Received: 02/28/25 09:20

Lab Sample ID: 500-264590-11

Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<25		100	25	ug/L		03/07/25 08:15	03/17/25 16:54	1
Antimony	<1.3		3.0	1.3	ug/L		03/07/25 08:15	03/17/25 16:54	1
Arsenic	**0.26**	**J**	1.0	0.23	ug/L		03/07/25 08:15	03/17/25 16:54	1
Barium	**430**		2.5	0.73	ug/L		03/07/25 08:15	03/17/25 16:54	1
Beryllium	<0.53		1.0	0.53	ug/L		03/07/25 08:15	03/17/25 16:54	1
Boron	**93**		50	13	ug/L		03/07/25 08:15	03/17/25 16:54	1
Cadmium	<0.17		0.50	0.17	ug/L		03/07/25 08:15	03/17/25 16:54	1
Calcium	**86000**		200	44	ug/L		03/07/25 08:15	03/17/25 16:54	1
Chromium	<1.1		5.0	1.1	ug/L		03/07/25 08:15	03/17/25 16:54	1
Cobalt	<0.40		1.0	0.40	ug/L		03/07/25 08:15	03/17/25 16:54	1
Copper	**0.86**	**J**	2.0	0.50	ug/L		03/07/25 08:15	03/17/25 16:54	1
Iron	<47		100	47	ug/L		03/07/25 08:15	03/17/25 16:54	1
Lead	<0.19		0.50	0.19	ug/L		03/07/25 08:15	03/17/25 16:54	1
Lithium	**37**		10	2.5	ug/L		03/07/25 08:15	03/17/25 16:54	1
Magnesium	**59000**		200	49	ug/L		03/07/25 08:15	03/17/25 16:54	1
Manganese	**9.4**		2.5	0.79	ug/L		03/07/25 08:15	03/17/25 16:54	1
Molybdenum	<2.5		5.0	2.5	ug/L		03/07/25 08:15	03/17/25 16:54	1
Nickel	<0.63		2.0	0.63	ug/L		03/07/25 08:15	03/17/25 16:54	1
Potassium	**1300**		500	110	ug/L		03/07/25 08:15	03/17/25 16:54	1
Selenium	**1.7**	**J ^1+**	2.5	0.98	ug/L		03/07/25 08:15	03/17/25 16:54	1
Silver	<0.12		0.50	0.12	ug/L		03/07/25 08:15	03/17/25 16:54	1
Sodium	**39000**		200	77	ug/L		03/07/25 08:15	03/17/25 16:54	1
Strontium	**1200**		4.0	0.64	ug/L		03/07/25 08:15	03/17/25 16:54	1
Thallium	<0.57		2.0	0.57	ug/L		03/07/25 08:15	03/17/25 16:54	1
Tin	<1.3		5.0	1.3	ug/L		03/07/25 08:15	03/17/25 16:54	1
Vanadium	**4.0**	**J**	5.0	2.2	ug/L		03/07/25 08:15	03/17/25 16:54	1
Zinc	**7.9**	**J**	20	6.9	ug/L		03/07/25 08:15	03/17/25 16:54	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**460**		0.91	0.46	mg/L		03/07/25 08:15	03/18/25 09:04	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	<0.45		1.0	0.45	mg/L			03/08/25 21:13	1
Nitrate as N (EPA 300.0)	<0.37	H	1.0	0.37	mg/L			03/08/25 21:13	1
Chloride (EPA 300.0)	**38**		1.0	0.42	mg/L			03/08/25 21:13	1
Nitrite as N (EPA 300.0)	<0.25	H	1.0	0.25	mg/L			03/08/25 21:13	1
Fluoride (EPA 300.0)	<0.43		1.0	0.43	mg/L			03/08/25 21:13	1
Nitrate Nitrite as N (EPA 300.0)	<0.37	H	1.0	0.37	mg/L			03/08/25 21:13	1
Sulfate (EPA 300.0)	**30**		1.0	0.47	mg/L			03/08/25 21:13	1
Cyanide, Total (EPA 335.4)	<0.0036		0.0050	0.0036	mg/L		03/03/25 13:17	03/04/25 15:35	1
Ammonia (EPA 350.1)	<0.10		0.20	0.10	mg/L		03/13/25 14:06	03/14/25 09:23	1
Phosphorus as P (EPA 365.1)	**0.028**	**J**	0.050	0.024	mg/L		03/05/25 07:50	03/06/25 13:48	1
Alkalinity (SM 2320B)	**420**		5.0	3.7	mg/L			03/04/25 16:02	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**420**		5.0	3.7	mg/L			03/04/25 16:02	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<3.7		5.0	3.7	mg/L			03/04/25 16:02	1
Salinity (SM 2520B)	<0.33		0.33	0.33	psu			03/17/25 07:43	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264590-1

Client Sample ID: MW-3B_20250226
Date Collected: 02/26/25 15:20
Date Received: 02/28/25 09:20

Lab Sample ID: 500-264590-11
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**470**		10	4.3	mg/L			03/04/25 16:09	1
Total Suspended Solids (SM 2540D)	<1.9		5.0	1.9	mg/L			03/04/25 11:04	1
Sulfide (SM 4500 S2 F)	<0.58		2.5	0.58	mg/L			03/04/25 13:29	1
Total Organic Carbon (SM 5310C)	**0.95**	**J**	1.0	0.47	mg/L			03/12/25 19:51	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon (SM 5310C)	**0.96**	**J**	1.0	0.47	mg/L			03/13/25 05:00	1

Client Sample Results

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264590-1

Client Sample ID: MW-3B_20250226_FBLL
Date Collected: 02/26/25 15:20
Date Received: 02/28/25 09:20

Lab Sample ID: 500-264590-12
Matrix: Water

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			03/06/25 20:40	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264590-1

Client Sample ID: MW-3A_20250226

Date Collected: 02/26/25 17:00
Date Received: 02/28/25 09:20

Lab Sample ID: 500-264590-13

Matrix: Water

Method: EPA 1630 - Methyl Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		03/19/25 12:53	03/20/25 21:32	1

Method: EPA 1630 - Methyl Mercury - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		03/19/25 12:53	03/20/25 21:42	1

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			03/07/25 14:58	1

Method: EPA 1631E - Mercury, Low Level (CVAFS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			03/07/25 15:02	1

Method: EPA 1638 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**7.2**		0.050	0.0098	ug/L		03/06/25 16:10	03/07/25 17:45	1

Method: EPA 1638 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**7.1**		0.050	0.0098	ug/L		03/06/25 16:10	03/07/25 15:39	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<25		100	25	ug/L		03/07/25 08:15	03/17/25 16:20	1
Antimony	<1.3		3.0	1.3	ug/L		03/07/25 08:15	03/17/25 16:20	1
Arsenic	**2.5**		1.0	0.23	ug/L		03/07/25 08:15	03/17/25 16:20	1
Barium	**1000**		2.5	0.73	ug/L		03/07/25 08:15	03/17/25 16:20	1
Beryllium	<0.53		1.0	0.53	ug/L		03/07/25 08:15	03/17/25 16:20	1
Boron	**370**		50	13	ug/L		03/07/25 08:15	03/17/25 16:20	1
Cadmium	<0.17		0.50	0.17	ug/L		03/07/25 08:15	03/17/25 16:20	1
Calcium	**250000**		200	44	ug/L		03/07/25 08:15	03/17/25 16:20	1
Chromium	<1.1		5.0	1.1	ug/L		03/07/25 08:15	03/17/25 16:20	1
Cobalt	**1.1**		1.0	0.40	ug/L		03/07/25 08:15	03/17/25 16:20	1
Copper	**0.60**	**J**	2.0	0.50	ug/L		03/07/25 08:15	03/17/25 16:20	1
Iron	**3000**		100	47	ug/L		03/07/25 08:15	03/17/25 16:20	1
Lead	<0.19		0.50	0.19	ug/L		03/07/25 08:15	03/17/25 16:20	1
Lithium	**95**		10	2.5	ug/L		03/07/25 08:15	03/17/25 16:20	1
Magnesium	**53000**		200	49	ug/L		03/07/25 08:15	03/17/25 16:20	1
Manganese	**4200**		2.5	0.79	ug/L		03/07/25 08:15	03/17/25 16:20	1
Molybdenum	<2.5		5.0	2.5	ug/L		03/07/25 08:15	03/17/25 16:20	1
Nickel	**3.0**		2.0	0.63	ug/L		03/07/25 08:15	03/17/25 16:20	1
Potassium	**2100**		500	110	ug/L		03/07/25 08:15	03/17/25 16:20	1
Selenium	<0.98	^1+	2.5	0.98	ug/L		03/07/25 08:15	03/17/25 16:20	1
Silver	<0.12		0.50	0.12	ug/L		03/07/25 08:15	03/17/25 16:20	1
Sodium	**160000**		200	77	ug/L		03/07/25 08:15	03/17/25 16:20	1
Strontium	**5000**		4.0	0.64	ug/L		03/07/25 08:15	03/17/25 16:20	1
Thallium	<0.57		2.0	0.57	ug/L		03/07/25 08:15	03/17/25 16:20	1
Tin	<1.3		5.0	1.3	ug/L		03/07/25 08:15	03/17/25 16:20	1
Vanadium	<2.2		5.0	2.2	ug/L		03/07/25 08:15	03/17/25 16:20	1
Zinc	<6.9		20	6.9	ug/L		03/07/25 08:15	03/17/25 16:20	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264590-1

Client Sample ID: MW-3A_20250226

Lab Sample ID: 500-264590-13

Date Collected: 02/26/25 17:00

Matrix: Water

Date Received: 02/28/25 09:20

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<25		100	25	ug/L		03/07/25 08:15	03/17/25 16:57	1
Antimony	<1.3		3.0	1.3	ug/L		03/07/25 08:15	03/17/25 16:57	1
Arsenic	**2.5**		1.0	0.23	ug/L		03/07/25 08:15	03/17/25 16:57	1
Barium	**990**		2.5	0.73	ug/L		03/07/25 08:15	03/17/25 16:57	1
Beryllium	<0.53		1.0	0.53	ug/L		03/07/25 08:15	03/17/25 16:57	1
Boron	**370**		50	13	ug/L		03/07/25 08:15	03/17/25 16:57	1
Cadmium	<0.17		0.50	0.17	ug/L		03/07/25 08:15	03/17/25 16:57	1
Calcium	**250000**		200	44	ug/L		03/07/25 08:15	03/17/25 16:57	1
Chromium	<1.1		5.0	1.1	ug/L		03/07/25 08:15	03/17/25 16:57	1
Cobalt	**1.0**		1.0	0.40	ug/L		03/07/25 08:15	03/17/25 16:57	1
Copper	<0.50		2.0	0.50	ug/L		03/07/25 08:15	03/17/25 16:57	1
Iron	**3000**		100	47	ug/L		03/07/25 08:15	03/17/25 16:57	1
Lead	<0.19		0.50	0.19	ug/L		03/07/25 08:15	03/17/25 16:57	1
Lithium	**93**		10	2.5	ug/L		03/07/25 08:15	03/17/25 16:57	1
Magnesium	**52000**		200	49	ug/L		03/07/25 08:15	03/17/25 16:57	1
Manganese	**4100**		2.5	0.79	ug/L		03/07/25 08:15	03/17/25 16:57	1
Molybdenum	<2.5		5.0	2.5	ug/L		03/07/25 08:15	03/17/25 16:57	1
Nickel	**2.9**		2.0	0.63	ug/L		03/07/25 08:15	03/17/25 16:57	1
Potassium	**2100**		500	110	ug/L		03/07/25 08:15	03/17/25 16:57	1
Selenium	<0.98	^1+	2.5	0.98	ug/L		03/07/25 08:15	03/17/25 16:57	1
Silver	<0.12		0.50	0.12	ug/L		03/07/25 08:15	03/17/25 16:57	1
Sodium	**160000**		200	77	ug/L		03/07/25 08:15	03/17/25 16:57	1
Strontium	**5000**		4.0	0.64	ug/L		03/07/25 08:15	03/17/25 16:57	1
Thallium	<0.57		2.0	0.57	ug/L		03/07/25 08:15	03/17/25 16:57	1
Tin	<1.3		5.0	1.3	ug/L		03/07/25 08:15	03/17/25 16:57	1
Vanadium	<2.2		5.0	2.2	ug/L		03/07/25 08:15	03/17/25 16:57	1
Zinc	<6.9		20	6.9	ug/L		03/07/25 08:15	03/17/25 16:57	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**850**		0.91	0.46	mg/L		03/07/25 08:15	03/18/25 09:04	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	**4.6**		1.0	0.45	mg/L			02/28/25 14:14	1
Nitrate as N (EPA 300.0)	<0.37		1.0	0.37	mg/L			02/28/25 14:14	1
Chloride (EPA 300.0)	**460**		20	8.4	mg/L			03/12/25 16:51	20
Nitrite as N (EPA 300.0)	<0.25		1.0	0.25	mg/L			02/28/25 14:14	1
Fluoride (EPA 300.0)	<0.43		1.0	0.43	mg/L			02/28/25 14:14	1
Nitrate Nitrite as N (EPA 300.0)	<0.37		1.0	0.37	mg/L			02/28/25 14:14	1
Sulfate (EPA 300.0)	**3.9**		1.0	0.47	mg/L			02/28/25 14:14	1
Cyanide, Total (EPA 335.4)	<0.0036		0.0050	0.0036	mg/L		03/03/25 13:17	03/04/25 15:35	1
Ammonia (EPA 350.1)	<0.10		0.20	0.10	mg/L		03/13/25 14:06	03/14/25 09:23	1
Phosphorus as P (EPA 365.1)	<0.024		0.050	0.024	mg/L		03/05/25 07:50	03/06/25 13:48	1
Alkalinity (SM 2320B)	**450**		5.0	3.7	mg/L			03/04/25 16:23	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**450**		5.0	3.7	mg/L			03/04/25 16:23	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<3.7		5.0	3.7	mg/L			03/04/25 16:23	1
Salinity (SM 2520B)	**1.2**		0.33	0.33	psu			03/17/25 07:43	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264590-1

Client Sample ID: MW-3A_20250226
Date Collected: 02/26/25 17:00
Date Received: 02/28/25 09:20

Lab Sample ID: 500-264590-13
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	1300		10	4.3	mg/L			03/04/25 16:11	1
Total Suspended Solids (SM 2540D)	6.4		5.0	1.9	mg/L			03/04/25 11:09	1
Sulfide (SM 4500 S2 F)	<0.58		2.5	0.58	mg/L			03/04/25 13:32	1
Total Organic Carbon (SM 5310C)	3.0		1.0	0.47	mg/L			03/12/25 20:24	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon (SM 5310C)	3.2		1.0	0.47	mg/L			03/13/25 05:32	1

Client Sample Results

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264590-1

Client Sample ID: MW-3A_20250226_FBLL
Date Collected: 02/26/25 17:00
Date Received: 02/28/25 09:20

Lab Sample ID: 500-264590-14
Matrix: Water

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			03/07/25 15:06	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264590-1

Client Sample ID: ARC-02_20250227

Date Collected: 02/27/25 10:00
Date Received: 02/28/25 09:20

Lab Sample ID: 500-264590-15

Matrix: Water

Method: EPA 1630 - Methyl Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	0.069		0.050	0.022	ng/L		03/05/25 12:50	03/05/25 21:19	1

Method: EPA 1630 - Methyl Mercury - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	0.051		0.050	0.022	ng/L		03/05/25 12:50	03/05/25 21:30	1

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	6.9	B	0.50	0.20	ng/L			03/07/25 15:19	1

Method: EPA 1631E - Mercury, Low Level (CVAFS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	4.6	B	0.50	0.20	ng/L			03/07/25 15:23	1

Method: EPA 1638 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	0.13		0.050	0.0098	ug/L		03/06/25 16:10	03/07/25 17:48	1

Method: EPA 1638 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	0.096		0.050	0.0098	ug/L		03/06/25 16:10	03/07/25 14:57	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	910		100	25	ug/L		03/07/25 08:15	03/17/25 16:23	1
Antimony	<1.3		3.0	1.3	ug/L		03/07/25 08:15	03/17/25 16:23	1
Arsenic	0.35	J	1.0	0.23	ug/L		03/07/25 08:15	03/17/25 16:23	1
Barium	19		2.5	0.73	ug/L		03/07/25 08:15	03/17/25 16:23	1
Beryllium	<0.53		1.0	0.53	ug/L		03/07/25 08:15	03/17/25 16:23	1
Boron	14	J	50	13	ug/L		03/07/25 08:15	03/17/25 16:23	1
Cadmium	<0.17		0.50	0.17	ug/L		03/07/25 08:15	03/17/25 16:23	1
Calcium	9900		200	44	ug/L		03/07/25 08:15	03/17/25 16:23	1
Chromium	1.2	J	5.0	1.1	ug/L		03/07/25 08:15	03/17/25 16:23	1
Cobalt	<0.40		1.0	0.40	ug/L		03/07/25 08:15	03/17/25 16:23	1
Copper	14		2.0	0.50	ug/L		03/07/25 08:15	03/17/25 16:23	1
Iron	1000		100	47	ug/L		03/07/25 08:15	03/17/25 16:23	1
Lead	0.47	J	0.50	0.19	ug/L		03/07/25 08:15	03/17/25 16:23	1
Lithium	<2.5		10	2.5	ug/L		03/07/25 08:15	03/17/25 16:23	1
Magnesium	2300		200	49	ug/L		03/07/25 08:15	03/17/25 16:23	1
Manganese	48		2.5	0.79	ug/L		03/07/25 08:15	03/17/25 16:23	1
Molybdenum	<2.5		5.0	2.5	ug/L		03/07/25 08:15	03/17/25 16:23	1
Nickel	0.82	J	2.0	0.63	ug/L		03/07/25 08:15	03/17/25 16:23	1
Potassium	1100		500	110	ug/L		03/07/25 08:15	03/17/25 16:23	1
Selenium	<0.98	^1+	2.5	0.98	ug/L		03/07/25 08:15	03/17/25 16:23	1
Silver	<0.12		0.50	0.12	ug/L		03/07/25 08:15	03/17/25 16:23	1
Sodium	4000		200	77	ug/L		03/07/25 08:15	03/17/25 16:23	1
Strontium	32		4.0	0.64	ug/L		03/07/25 08:15	03/17/25 16:23	1
Thallium	<0.57		2.0	0.57	ug/L		03/07/25 08:15	03/17/25 16:23	1
Tin	<1.3		5.0	1.3	ug/L		03/07/25 08:15	03/17/25 16:23	1
Vanadium	<2.2		5.0	2.2	ug/L		03/07/25 08:15	03/17/25 16:23	1
Zinc	7.0	J	20	6.9	ug/L		03/07/25 08:15	03/17/25 16:23	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264590-1

Client Sample ID: ARC-02_20250227

Date Collected: 02/27/25 10:00
Date Received: 02/28/25 09:20

Lab Sample ID: 500-264590-15

Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**97**	**J**	100	25	ug/L		03/07/25 08:15	03/17/25 16:59	1
Antimony	<1.3		3.0	1.3	ug/L		03/07/25 08:15	03/17/25 16:59	1
Arsenic	**0.24**	**J**	1.0	0.23	ug/L		03/07/25 08:15	03/17/25 16:59	1
Barium	**15**		2.5	0.73	ug/L		03/07/25 08:15	03/17/25 16:59	1
Beryllium	<0.53		1.0	0.53	ug/L		03/07/25 08:15	03/17/25 16:59	1
Boron	**15**	**J**	50	13	ug/L		03/07/25 08:15	03/17/25 16:59	1
Cadmium	<0.17		0.50	0.17	ug/L		03/07/25 08:15	03/17/25 16:59	1
Calcium	**12000**		200	44	ug/L		03/07/25 08:15	03/17/25 16:59	1
Chromium	<1.1		5.0	1.1	ug/L		03/07/25 08:15	03/17/25 16:59	1
Cobalt	<0.40		1.0	0.40	ug/L		03/07/25 08:15	03/17/25 16:59	1
Copper	**9.0**		2.0	0.50	ug/L		03/07/25 08:15	03/17/25 16:59	1
Iron	**210**		100	47	ug/L		03/07/25 08:15	03/17/25 16:59	1
Lead	<0.19		0.50	0.19	ug/L		03/07/25 08:15	03/17/25 16:59	1
Lithium	<2.5		10	2.5	ug/L		03/07/25 08:15	03/17/25 16:59	1
Magnesium	**2500**		200	49	ug/L		03/07/25 08:15	03/17/25 16:59	1
Manganese	**13**		2.5	0.79	ug/L		03/07/25 08:15	03/17/25 16:59	1
Molybdenum	<2.5		5.0	2.5	ug/L		03/07/25 08:15	03/17/25 16:59	1
Nickel	<0.63		2.0	0.63	ug/L		03/07/25 08:15	03/17/25 16:59	1
Potassium	**940**		500	110	ug/L		03/07/25 08:15	03/17/25 16:59	1
Selenium	<0.98	^1+	2.5	0.98	ug/L		03/07/25 08:15	03/17/25 16:59	1
Silver	<0.12		0.50	0.12	ug/L		03/07/25 08:15	03/17/25 16:59	1
Sodium	**1800**		200	77	ug/L		03/07/25 08:15	03/17/25 16:59	1
Strontium	**35**		4.0	0.64	ug/L		03/07/25 08:15	03/17/25 16:59	1
Thallium	<0.57		2.0	0.57	ug/L		03/07/25 08:15	03/17/25 16:59	1
Tin	<1.3		5.0	1.3	ug/L		03/07/25 08:15	03/17/25 16:59	1
Vanadium	<2.2		5.0	2.2	ug/L		03/07/25 08:15	03/17/25 16:59	1
Zinc	<6.9		20	6.9	ug/L		03/07/25 08:15	03/17/25 16:59	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**34**		0.91	0.46	mg/L		03/07/25 08:15	03/18/25 09:04	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	<0.45		1.0	0.45	mg/L			02/28/25 14:29	1
Nitrate as N (EPA 300.0)	<0.37		1.0	0.37	mg/L			02/28/25 14:29	1
Chloride (EPA 300.0)	**2.3**		1.0	0.42	mg/L			02/28/25 14:29	1
Nitrite as N (EPA 300.0)	<0.25		1.0	0.25	mg/L			02/28/25 14:29	1
Fluoride (EPA 300.0)	<0.43		1.0	0.43	mg/L			02/28/25 14:29	1
Nitrate Nitrite as N (EPA 300.0)	<0.37		1.0	0.37	mg/L			02/28/25 14:29	1
Sulfate (EPA 300.0)	**1.9**		1.0	0.47	mg/L			02/28/25 14:29	1
Cyanide, Total (EPA 335.4)	<0.0036		0.0050	0.0036	mg/L		03/05/25 12:10	03/05/25 15:55	1
Ammonia (EPA 350.1)	<0.10		0.20	0.10	mg/L		03/13/25 14:06	03/14/25 09:24	1
Phosphorus as P (EPA 365.1)	**0.039**	**J**	0.050	0.024	mg/L		03/05/25 07:50	03/06/25 13:49	1
Alkalinity (SM 2320B)	**30**		5.0	3.7	mg/L			03/04/25 16:34	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**30**		5.0	3.7	mg/L			03/04/25 16:34	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<3.7		5.0	3.7	mg/L			03/04/25 16:34	1
Salinity (SM 2520B)	<0.33		0.33	0.33	psu			03/17/25 07:43	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264590-1

Client Sample ID: ARC-02_20250227
Date Collected: 02/27/25 10:00
Date Received: 02/28/25 09:20

Lab Sample ID: 500-264590-15
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	100		17	7.2	mg/L			03/06/25 16:36	1
Total Suspended Solids (SM 2540D)	10		5.0	1.9	mg/L			03/04/25 11:15	1
Sulfide (SM 4500 S2 F)	<0.58		2.5	0.58	mg/L			03/04/25 13:35	1
Total Organic Carbon (SM 5310C)	7.8		1.0	0.47	mg/L			03/12/25 20:56	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon (SM 5310C)	8.3		1.0	0.47	mg/L			03/13/25 06:05	1

Client Sample Results

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264590-1

Client Sample ID: ARC-02_20250227_FBLL
Date Collected: 02/27/25 10:00
Date Received: 02/28/25 09:20

Lab Sample ID: 500-264590-16
Matrix: Water

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			03/07/25 15:27	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264590-1

Client Sample ID: CBR-01_20250227

Date Collected: 02/27/25 12:15
Date Received: 02/28/25 09:20

Lab Sample ID: 500-264590-17

Matrix: Water

Method: EPA 1630 - Methyl Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	0.10		0.050	0.022	ng/L		03/05/25 12:50	03/05/25 21:40	1

Method: EPA 1630 - Methyl Mercury - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	0.085		0.050	0.022	ng/L		03/05/25 12:50	03/05/25 21:50	1

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	6.5	B	0.50	0.20	ng/L			03/07/25 15:31	1

Method: EPA 1631E - Mercury, Low Level (CVAFS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	4.7	B	0.50	0.20	ng/L			03/07/25 15:35	1

Method: EPA 1638 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	0.13		0.050	0.0098	ug/L		03/06/25 16:10	03/07/25 17:52	1

Method: EPA 1638 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	0.095		0.050	0.0098	ug/L		03/06/25 16:10	03/07/25 15:43	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	1600		100	25	ug/L		03/07/25 08:15	03/17/25 16:25	1
Antimony	<1.3		3.0	1.3	ug/L		03/07/25 08:15	03/17/25 16:25	1
Arsenic	0.36	J	1.0	0.23	ug/L		03/07/25 08:15	03/17/25 16:25	1
Barium	35		2.5	0.73	ug/L		03/07/25 08:15	03/17/25 16:25	1
Beryllium	<0.53		1.0	0.53	ug/L		03/07/25 08:15	03/17/25 16:25	1
Boron	25	J	50	13	ug/L		03/07/25 08:15	03/17/25 16:25	1
Cadmium	<0.17		0.50	0.17	ug/L		03/07/25 08:15	03/17/25 16:25	1
Calcium	11000		200	44	ug/L		03/07/25 08:15	03/17/25 16:25	1
Chromium	1.8	J	5.0	1.1	ug/L		03/07/25 08:15	03/17/25 16:25	1
Cobalt	0.42	J	1.0	0.40	ug/L		03/07/25 08:15	03/17/25 16:25	1
Copper	4.5		2.0	0.50	ug/L		03/07/25 08:15	03/17/25 16:25	1
Iron	1300		100	47	ug/L		03/07/25 08:15	03/17/25 16:25	1
Lead	0.53		0.50	0.19	ug/L		03/07/25 08:15	03/17/25 16:25	1
Lithium	<2.5		10	2.5	ug/L		03/07/25 08:15	03/17/25 16:25	1
Magnesium	3200		200	49	ug/L		03/07/25 08:15	03/17/25 16:25	1
Manganese	24		2.5	0.79	ug/L		03/07/25 08:15	03/17/25 16:25	1
Molybdenum	<2.5		5.0	2.5	ug/L		03/07/25 08:15	03/17/25 16:25	1
Nickel	1.2	J	2.0	0.63	ug/L		03/07/25 08:15	03/17/25 16:25	1
Potassium	960		500	110	ug/L		03/07/25 08:15	03/17/25 16:25	1
Selenium	<0.98	^1+	2.5	0.98	ug/L		03/07/25 08:15	03/17/25 16:25	1
Silver	<0.12		0.50	0.12	ug/L		03/07/25 08:15	03/17/25 16:25	1
Sodium	2500		200	77	ug/L		03/07/25 08:15	03/17/25 16:25	1
Strontium	41		4.0	0.64	ug/L		03/07/25 08:15	03/17/25 16:25	1
Thallium	<0.57		2.0	0.57	ug/L		03/07/25 08:15	03/17/25 16:25	1
Tin	<1.3		5.0	1.3	ug/L		03/07/25 08:15	03/17/25 16:25	1
Vanadium	2.7	J	5.0	2.2	ug/L		03/07/25 08:15	03/17/25 16:25	1
Zinc	<6.9		20	6.9	ug/L		03/07/25 08:15	03/17/25 16:25	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264590-1

Client Sample ID: CBR-01_20250227

Date Collected: 02/27/25 12:15
Date Received: 02/28/25 09:20

Lab Sample ID: 500-264590-17

Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**73**	**J**	100	25	ug/L		03/07/25 08:15	03/17/25 17:02	1
Antimony	<1.3		3.0	1.3	ug/L		03/07/25 08:15	03/17/25 17:02	1
Arsenic	<0.23		1.0	0.23	ug/L		03/07/25 08:15	03/17/25 17:02	1
Barium	**22**		2.5	0.73	ug/L		03/07/25 08:15	03/17/25 17:02	1
Beryllium	<0.53		1.0	0.53	ug/L		03/07/25 08:15	03/17/25 17:02	1
Boron	**27**	**J**	50	13	ug/L		03/07/25 08:15	03/17/25 17:02	1
Cadmium	<0.17		0.50	0.17	ug/L		03/07/25 08:15	03/17/25 17:02	1
Calcium	**11000**		200	44	ug/L		03/07/25 08:15	03/17/25 17:02	1
Chromium	<1.1		5.0	1.1	ug/L		03/07/25 08:15	03/17/25 17:02	1
Cobalt	<0.40		1.0	0.40	ug/L		03/07/25 08:15	03/17/25 17:02	1
Copper	**2.8**		2.0	0.50	ug/L		03/07/25 08:15	03/17/25 17:02	1
Iron	**210**		100	47	ug/L		03/07/25 08:15	03/17/25 17:02	1
Lead	<0.19		0.50	0.19	ug/L		03/07/25 08:15	03/17/25 17:02	1
Lithium	<2.5		10	2.5	ug/L		03/07/25 08:15	03/17/25 17:02	1
Magnesium	**3000**		200	49	ug/L		03/07/25 08:15	03/17/25 17:02	1
Manganese	**6.9**		2.5	0.79	ug/L		03/07/25 08:15	03/17/25 17:02	1
Molybdenum	<2.5		5.0	2.5	ug/L		03/07/25 08:15	03/17/25 17:02	1
Nickel	<0.63		2.0	0.63	ug/L		03/07/25 08:15	03/17/25 17:02	1
Potassium	**720**		500	110	ug/L		03/07/25 08:15	03/17/25 17:02	1
Selenium	<0.98	^1+	2.5	0.98	ug/L		03/07/25 08:15	03/17/25 17:02	1
Silver	<0.12		0.50	0.12	ug/L		03/07/25 08:15	03/17/25 17:02	1
Sodium	**2600**		200	77	ug/L		03/07/25 08:15	03/17/25 17:02	1
Strontium	**40**		4.0	0.64	ug/L		03/07/25 08:15	03/17/25 17:02	1
Thallium	<0.57		2.0	0.57	ug/L		03/07/25 08:15	03/17/25 17:02	1
Tin	<1.3		5.0	1.3	ug/L		03/07/25 08:15	03/17/25 17:02	1
Vanadium	<2.2		5.0	2.2	ug/L		03/07/25 08:15	03/17/25 17:02	1
Zinc	<6.9		20	6.9	ug/L		03/07/25 08:15	03/17/25 17:02	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**41**		0.91	0.46	mg/L		03/07/25 08:15	03/18/25 09:04	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	<0.45		1.0	0.45	mg/L			02/28/25 14:44	1
Nitrate as N (EPA 300.0)	<0.37		1.0	0.37	mg/L			02/28/25 14:44	1
Chloride (EPA 300.0)	**3.3**		1.0	0.42	mg/L			02/28/25 14:44	1
Nitrite as N (EPA 300.0)	<0.25		1.0	0.25	mg/L			02/28/25 14:44	1
Fluoride (EPA 300.0)	<0.43		1.0	0.43	mg/L			02/28/25 14:44	1
Nitrate Nitrite as N (EPA 300.0)	<0.37		1.0	0.37	mg/L			02/28/25 14:44	1
Sulfate (EPA 300.0)	**2.2**		1.0	0.47	mg/L			02/28/25 14:44	1
Cyanide, Total (EPA 335.4)	**0.015**		0.0050	0.0036	mg/L		03/05/25 12:10	03/05/25 15:56	1
Ammonia (EPA 350.1)	<0.10		0.20	0.10	mg/L		03/13/25 14:06	03/14/25 09:25	1
Phosphorus as P (EPA 365.1)	**0.029**	**J**	0.050	0.024	mg/L		03/05/25 07:50	03/06/25 13:50	1
Alkalinity (SM 2320B)	**34**		5.0	3.7	mg/L			03/04/25 16:42	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**34**		5.0	3.7	mg/L			03/04/25 16:42	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<3.7		5.0	3.7	mg/L			03/04/25 16:42	1
Salinity (SM 2520B)	<0.33		0.33	0.33	psu			03/21/25 12:57	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264590-1

Client Sample ID: CBR-01_20250227
Date Collected: 02/27/25 12:15
Date Received: 02/28/25 09:20

Lab Sample ID: 500-264590-17
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	74		10	4.3	mg/L			03/06/25 16:37	1
Total Suspended Solids (SM 2540D)	7.8		5.0	1.9	mg/L			03/04/25 11:18	1
Sulfide (SM 4500 S2 F)	<0.58		2.5	0.58	mg/L			03/04/25 13:39	1
Total Organic Carbon (SM 5310C)	8.2		1.0	0.47	mg/L			03/12/25 21:28	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon (SM 5310C)	7.9		1.0	0.47	mg/L			03/13/25 08:46	1

Client Sample Results

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264590-1

Client Sample ID: CBR-01_20250227_FBLL
Date Collected: 02/27/25 12:15
Date Received: 02/28/25 09:20

Lab Sample ID: 500-264590-18
Matrix: Water

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			03/07/25 15:40	1

Qualifiers

Metals

Qualifier	Qualifier Description
^1+	Initial Calibration Verification (ICV) is outside acceptance limits, high biased.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F1	MS and/or MSD recovery exceeds control limits.
F5	Duplicate RPD exceeds limit, and one or both sample results are less than 5 times RL, and the absolute difference between results is < the upper reporting limits for both.
H	Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.
H3	Sample was received and analyzed past holding time. This does not meet regulatory requirements.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Metals

Prep Batch: 5362

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264590-3	MW-5A_20250226	Dissolved	Water	1630	
500-264590-3	MW-5A_20250226	Total/NA	Water	1630	
500-264590-15	ARC-02_20250227	Dissolved	Water	1630	
500-264590-15	ARC-02_20250227	Total/NA	Water	1630	
500-264590-17	CBR-01_20250227	Dissolved	Water	1630	
500-264590-17	CBR-01_20250227	Total/NA	Water	1630	
MB 350-5362/1-A	Method Blank	Total/NA	Water	1630	
MB 350-5362/2-A	Method Blank	Total/NA	Water	1630	
MB 350-5362/3-A	Method Blank	Total/NA	Water	1630	
LCS 350-5362/4-A	Lab Control Sample	Total/NA	Water	1630	
LCSD 350-5362/5-A	Lab Control Sample Dup	Total/NA	Water	1630	
500-264590-3 MS	MW-5A_20250226	Dissolved	Water	1630	
500-264590-3 MS	MW-5A_20250226	Total/NA	Water	1630	
500-264590-3 MSD	MW-5A_20250226	Dissolved	Water	1630	
500-264590-3 MSD	MW-5A_20250226	Total/NA	Water	1630	

Analysis Batch: 5398

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264590-3	MW-5A_20250226	Dissolved	Water	1630	5362
500-264590-3	MW-5A_20250226	Total/NA	Water	1630	5362
500-264590-15	ARC-02_20250227	Dissolved	Water	1630	5362
500-264590-15	ARC-02_20250227	Total/NA	Water	1630	5362
500-264590-17	CBR-01_20250227	Dissolved	Water	1630	5362
500-264590-17	CBR-01_20250227	Total/NA	Water	1630	5362
MB 350-5362/1-A	Method Blank	Total/NA	Water	1630	5362
MB 350-5362/2-A	Method Blank	Total/NA	Water	1630	5362
MB 350-5362/3-A	Method Blank	Total/NA	Water	1630	5362
LCS 350-5362/4-A	Lab Control Sample	Total/NA	Water	1630	5362
LCSD 350-5362/5-A	Lab Control Sample Dup	Total/NA	Water	1630	5362
500-264590-3 MS	MW-5A_20250226	Dissolved	Water	1630	5362
500-264590-3 MS	MW-5A_20250226	Total/NA	Water	1630	5362
500-264590-3 MSD	MW-5A_20250226	Dissolved	Water	1630	5362
500-264590-3 MSD	MW-5A_20250226	Total/NA	Water	1630	5362

Prep Batch: 5412

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264590-1	DKC-02_20250226	Dissolved	Water	1638	
500-264590-3	MW-5A_20250226	Dissolved	Water	1638	
500-264590-5	MW-43_20250226	Dissolved	Water	1638	
500-264590-7	MW-44_20250226	Dissolved	Water	1638	
500-264590-9	MW-43SB_20250227	Dissolved	Water	1638	
500-264590-11	MW-3B_20250226	Dissolved	Water	1638	
500-264590-13	MW-3A_20250226	Dissolved	Water	1638	
500-264590-15	ARC-02_20250227	Dissolved	Water	1638	
500-264590-17	CBR-01_20250227	Dissolved	Water	1638	
MB 350-5412/1-A	Method Blank	Total Recoverable	Water	1638	
MB 350-5412/2-A	Method Blank	Total Recoverable	Water	1638	
LCS 350-5412/3-A	Lab Control Sample	Total Recoverable	Water	1638	
LCSD 350-5412/4-A	Lab Control Sample Dup	Total Recoverable	Water	1638	
500-264590-3 MS	MW-5A_20250226	Dissolved	Water	1638	
500-264590-3 MSD	MW-5A_20250226	Dissolved	Water	1638	

Metals (Continued)

Prep Batch: 5412 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264590-15 MS	ARC-02_20250227	Dissolved	Water	1638	
500-264590-15 MSD	ARC-02_20250227	Dissolved	Water	1638	

Prep Batch: 5414

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264590-1	DKC-02_20250226	Total Recoverable	Water	1638	
500-264590-3	MW-5A_20250226	Total Recoverable	Water	1638	
500-264590-5	MW-43_20250226	Total Recoverable	Water	1638	
500-264590-7	MW-44_20250226	Total Recoverable	Water	1638	
500-264590-9	MW-43SB_20250227	Total Recoverable	Water	1638	
500-264590-11	MW-3B_20250226	Total Recoverable	Water	1638	
500-264590-13	MW-3A_20250226	Total Recoverable	Water	1638	
500-264590-15	ARC-02_20250227	Total Recoverable	Water	1638	
500-264590-17	CBR-01_20250227	Total Recoverable	Water	1638	
MB 350-5414/1-A	Method Blank	Total Recoverable	Water	1638	
MB 350-5414/2-A	Method Blank	Total Recoverable	Water	1638	
LCS 350-5414/3-A	Lab Control Sample	Total Recoverable	Water	1638	
LCSD 350-5414/4-A	Lab Control Sample Dup	Total Recoverable	Water	1638	
500-264590-3 MS	MW-5A_20250226	Total Recoverable	Water	1638	
500-264590-3 MSD	MW-5A_20250226	Total Recoverable	Water	1638	

Analysis Batch: 5423

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264590-1	DKC-02_20250226	Dissolved	Water	1631E	
500-264590-1	DKC-02_20250226	Total/NA	Water	1631E	
500-264590-2	DKC-02_20250226_FBLL	Total/NA	Water	1631E	
500-264590-3	MW-5A_20250226	Dissolved	Water	1631E	
500-264590-3	MW-5A_20250226	Total/NA	Water	1631E	
500-264590-4	MW-5A_20250226_FBLL	Total/NA	Water	1631E	
500-264590-5	MW-43_20250226	Dissolved	Water	1631E	
500-264590-5	MW-43_20250226	Total/NA	Water	1631E	
500-264590-6	MW-43_20250226_FBLL	Total/NA	Water	1631E	
500-264590-7	MW-44_20250226	Dissolved	Water	1631E	
500-264590-7	MW-44_20250226	Total/NA	Water	1631E	
500-264590-8	MW-44_20250226_FBLL	Total/NA	Water	1631E	
500-264590-9	MW-43SB_20250227	Dissolved	Water	1631E	
500-264590-9	MW-43SB_20250227	Total/NA	Water	1631E	
500-264590-10	MW-43SB_20250227_FBLL	Total/NA	Water	1631E	
500-264590-11	MW-3B_20250226	Dissolved	Water	1631E	
500-264590-11	MW-3B_20250226	Total/NA	Water	1631E	
500-264590-12	MW-3B_20250226_FBLL	Total/NA	Water	1631E	
MB 350-5423/52	Method Blank	Total/NA	Water	1631E	
MB 350-5423/53	Method Blank	Total/NA	Water	1631E	
MB 350-5423/54	Method Blank	Total/NA	Water	1631E	
MB 350-5423/63	Method Blank	Total/NA	Water	1631E	
MB 350-5423/64	Method Blank	Total/NA	Water	1631E	
MB 350-5423/65	Method Blank	Total/NA	Water	1631E	
MB 350-5423/74	Method Blank	Total/NA	Water	1631E	
MB 350-5423/75	Method Blank	Total/NA	Water	1631E	
MB 350-5423/76	Method Blank	Total/NA	Water	1631E	
LCS 350-5423/55	Lab Control Sample	Total/NA	Water	1631E	

Metals (Continued)

Analysis Batch: 5423 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 350-5423/66	Lab Control Sample	Total/NA	Water	1631E	
LCS 350-5423/77	Lab Control Sample	Total/NA	Water	1631E	
LCSD 350-5423/56	Lab Control Sample Dup	Total/NA	Water	1631E	
LCSD 350-5423/67	Lab Control Sample Dup	Total/NA	Water	1631E	
LCSD 350-5423/78	Lab Control Sample Dup	Total/NA	Water	1631E	
500-264590-3 MS	MW-5A_20250226	Dissolved	Water	1631E	
500-264590-3 MS	MW-5A_20250226	Total/NA	Water	1631E	
500-264590-3 MSD	MW-5A_20250226	Dissolved	Water	1631E	
500-264590-3 MSD	MW-5A_20250226	Total/NA	Water	1631E	
500-264590-4 MS	MW-5A_20250226_FBLL	Total/NA	Water	1631E	
500-264590-4 MSD	MW-5A_20250226_FBLL	Total/NA	Water	1631E	

Analysis Batch: 5444

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264590-13	MW-3A_20250226	Dissolved	Water	1631E	
500-264590-13	MW-3A_20250226	Total/NA	Water	1631E	
500-264590-14	MW-3A_20250226_FBLL	Total/NA	Water	1631E	
500-264590-15	ARC-02_20250227	Dissolved	Water	1631E	
500-264590-15	ARC-02_20250227	Total/NA	Water	1631E	
500-264590-16	ARC-02_20250227_FBLL	Total/NA	Water	1631E	
500-264590-17	CBR-01_20250227	Dissolved	Water	1631E	
500-264590-17	CBR-01_20250227	Total/NA	Water	1631E	
500-264590-18	CBR-01_20250227_FBLL	Total/NA	Water	1631E	
MB 350-5444/12	Method Blank	Total/NA	Water	1631E	
MB 350-5444/13	Method Blank	Total/NA	Water	1631E	
MB 350-5444/14	Method Blank	Total/NA	Water	1631E	
LCS 350-5444/15	Lab Control Sample	Total/NA	Water	1631E	
LCSD 350-5444/16	Lab Control Sample Dup	Total/NA	Water	1631E	

Analysis Batch: 5461

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264590-1	DKC-02_20250226	Dissolved	Water	1638	5412
500-264590-1	DKC-02_20250226	Total Recoverable	Water	1638	5414
500-264590-3	MW-5A_20250226	Dissolved	Water	1638	5412
500-264590-3	MW-5A_20250226	Total Recoverable	Water	1638	5414
500-264590-5	MW-43_20250226	Dissolved	Water	1638	5412
500-264590-5	MW-43_20250226	Total Recoverable	Water	1638	5414
500-264590-7	MW-44_20250226	Dissolved	Water	1638	5412
500-264590-7	MW-44_20250226	Total Recoverable	Water	1638	5414
500-264590-9	MW-43SB_20250227	Dissolved	Water	1638	5412
500-264590-9	MW-43SB_20250227	Total Recoverable	Water	1638	5414
500-264590-11	MW-3B_20250226	Dissolved	Water	1638	5412
500-264590-11	MW-3B_20250226	Total Recoverable	Water	1638	5414
500-264590-13	MW-3A_20250226	Dissolved	Water	1638	5412
500-264590-13	MW-3A_20250226	Total Recoverable	Water	1638	5414
500-264590-15	ARC-02_20250227	Dissolved	Water	1638	5412
500-264590-15	ARC-02_20250227	Total Recoverable	Water	1638	5414
500-264590-17	CBR-01_20250227	Dissolved	Water	1638	5412
500-264590-17	CBR-01_20250227	Total Recoverable	Water	1638	5414
MB 350-5412/1-A	Method Blank	Total Recoverable	Water	1638	5412
MB 350-5412/2-A	Method Blank	Total Recoverable	Water	1638	5412

Metals (Continued)

Analysis Batch: 5461 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 350-5414/1-A	Method Blank	Total Recoverable	Water	1638	5414
MB 350-5414/2-A	Method Blank	Total Recoverable	Water	1638	5414
LCS 350-5412/3-A	Lab Control Sample	Total Recoverable	Water	1638	5412
LCS 350-5414/3-A	Lab Control Sample	Total Recoverable	Water	1638	5414
LCSD 350-5412/4-A	Lab Control Sample Dup	Total Recoverable	Water	1638	5412
LCSD 350-5414/4-A	Lab Control Sample Dup	Total Recoverable	Water	1638	5414
500-264590-3 MS	MW-5A_20250226	Dissolved	Water	1638	5412
500-264590-3 MS	MW-5A_20250226	Total Recoverable	Water	1638	5414
500-264590-3 MSD	MW-5A_20250226	Dissolved	Water	1638	5412
500-264590-3 MSD	MW-5A_20250226	Total Recoverable	Water	1638	5414
500-264590-15 MS	ARC-02_20250227	Dissolved	Water	1638	5412
500-264590-15 MSD	ARC-02_20250227	Dissolved	Water	1638	5412

Prep Batch: 5644

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264590-1	DKC-02_20250226	Dissolved	Water	1630	
500-264590-1	DKC-02_20250226	Total/NA	Water	1630	
500-264590-5	MW-43_20250226	Dissolved	Water	1630	
500-264590-5	MW-43_20250226	Total/NA	Water	1630	
500-264590-7	MW-44_20250226	Dissolved	Water	1630	
500-264590-7	MW-44_20250226	Total/NA	Water	1630	
500-264590-9	MW-43SB_20250227	Dissolved	Water	1630	
500-264590-9	MW-43SB_20250227	Total/NA	Water	1630	
500-264590-11	MW-3B_20250226	Dissolved	Water	1630	
500-264590-11	MW-3B_20250226	Total/NA	Water	1630	
500-264590-13	MW-3A_20250226	Dissolved	Water	1630	
500-264590-13	MW-3A_20250226	Total/NA	Water	1630	
MB 350-5644/1-A	Method Blank	Total/NA	Water	1630	
MB 350-5644/2-A	Method Blank	Total/NA	Water	1630	
MB 350-5644/3-A	Method Blank	Total/NA	Water	1630	
LCS 350-5644/4-A	Lab Control Sample	Total/NA	Water	1630	
LCSD 350-5644/5-A	Lab Control Sample Dup	Total/NA	Water	1630	

Analysis Batch: 5728

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264590-1	DKC-02_20250226	Dissolved	Water	1630	5644
500-264590-1	DKC-02_20250226	Total/NA	Water	1630	5644
500-264590-5	MW-43_20250226	Dissolved	Water	1630	5644
500-264590-5	MW-43_20250226	Total/NA	Water	1630	5644
500-264590-7	MW-44_20250226	Dissolved	Water	1630	5644
500-264590-7	MW-44_20250226	Total/NA	Water	1630	5644
500-264590-9	MW-43SB_20250227	Dissolved	Water	1630	5644
500-264590-9	MW-43SB_20250227	Total/NA	Water	1630	5644
500-264590-11	MW-3B_20250226	Dissolved	Water	1630	5644
500-264590-11	MW-3B_20250226	Total/NA	Water	1630	5644
500-264590-13	MW-3A_20250226	Dissolved	Water	1630	5644
500-264590-13	MW-3A_20250226	Total/NA	Water	1630	5644
MB 350-5644/1-A	Method Blank	Total/NA	Water	1630	5644
MB 350-5644/2-A	Method Blank	Total/NA	Water	1630	5644
MB 350-5644/3-A	Method Blank	Total/NA	Water	1630	5644
LCS 350-5644/4-A	Lab Control Sample	Total/NA	Water	1630	5644

Metals (Continued)

Analysis Batch: 5728 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 350-5644/5-A	Lab Control Sample Dup	Total/NA	Water	1630	5644

Prep Batch: 809017

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264590-1	DKC-02_20250226	Dissolved	Water	3005A	
500-264590-1	DKC-02_20250226	Total Recoverable	Water	3005A	
500-264590-3	MW-5A_20250226	Dissolved	Water	3005A	
500-264590-3	MW-5A_20250226	Total Recoverable	Water	3005A	
500-264590-5	MW-43_20250226	Dissolved	Water	3005A	
500-264590-5	MW-43_20250226	Total Recoverable	Water	3005A	
500-264590-7	MW-44_20250226	Dissolved	Water	3005A	
500-264590-7	MW-44_20250226	Total Recoverable	Water	3005A	
500-264590-9	MW-43SB_20250227	Dissolved	Water	3005A	
500-264590-9	MW-43SB_20250227	Total Recoverable	Water	3005A	
500-264590-11	MW-3B_20250226	Dissolved	Water	3005A	
500-264590-11	MW-3B_20250226	Total Recoverable	Water	3005A	
500-264590-13	MW-3A_20250226	Dissolved	Water	3005A	
500-264590-13	MW-3A_20250226	Total Recoverable	Water	3005A	
500-264590-15	ARC-02_20250227	Dissolved	Water	3005A	
500-264590-15	ARC-02_20250227	Total Recoverable	Water	3005A	
500-264590-17	CBR-01_20250227	Dissolved	Water	3005A	
500-264590-17	CBR-01_20250227	Total Recoverable	Water	3005A	
MB 500-809017/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 500-809017/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
500-264590-3 MS	MW-5A_20250226	Dissolved	Water	3005A	
500-264590-3 MS	MW-5A_20250226	Total Recoverable	Water	3005A	
500-264590-3 MSD	MW-5A_20250226	Dissolved	Water	3005A	
500-264590-3 MSD	MW-5A_20250226	Total Recoverable	Water	3005A	
500-264590-3 DU	MW-5A_20250226	Dissolved	Water	3005A	
500-264590-3 DU	MW-5A_20250226	Total Recoverable	Water	3005A	

Analysis Batch: 810217

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264590-1	DKC-02_20250226	Dissolved	Water	6020B	809017
500-264590-1	DKC-02_20250226	Total Recoverable	Water	6020B	809017
500-264590-3	MW-5A_20250226	Dissolved	Water	6020B	809017
500-264590-3	MW-5A_20250226	Total Recoverable	Water	6020B	809017
500-264590-5	MW-43_20250226	Dissolved	Water	6020B	809017
500-264590-5	MW-43_20250226	Total Recoverable	Water	6020B	809017
500-264590-7	MW-44_20250226	Dissolved	Water	6020B	809017
500-264590-7	MW-44_20250226	Total Recoverable	Water	6020B	809017
500-264590-9	MW-43SB_20250227	Dissolved	Water	6020B	809017
500-264590-9	MW-43SB_20250227	Total Recoverable	Water	6020B	809017
500-264590-11	MW-3B_20250226	Dissolved	Water	6020B	809017
500-264590-11	MW-3B_20250226	Total Recoverable	Water	6020B	809017
500-264590-13	MW-3A_20250226	Dissolved	Water	6020B	809017
500-264590-13	MW-3A_20250226	Total Recoverable	Water	6020B	809017
500-264590-15	ARC-02_20250227	Dissolved	Water	6020B	809017
500-264590-15	ARC-02_20250227	Total Recoverable	Water	6020B	809017
500-264590-17	CBR-01_20250227	Dissolved	Water	6020B	809017
500-264590-17	CBR-01_20250227	Total Recoverable	Water	6020B	809017

Metals (Continued)

Analysis Batch: 810217 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 500-809017/1-A	Method Blank	Total Recoverable	Water	6020B	809017
LCS 500-809017/2-A	Lab Control Sample	Total Recoverable	Water	6020B	809017
500-264590-3 MS	MW-5A_20250226	Dissolved	Water	6020B	809017
500-264590-3 MS	MW-5A_20250226	Total Recoverable	Water	6020B	809017
500-264590-3 MSD	MW-5A_20250226	Dissolved	Water	6020B	809017
500-264590-3 MSD	MW-5A_20250226	Total Recoverable	Water	6020B	809017
500-264590-3 DU	MW-5A_20250226	Dissolved	Water	6020B	809017
500-264590-3 DU	MW-5A_20250226	Total Recoverable	Water	6020B	809017

Analysis Batch: 810243

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264590-1	DKC-02_20250226	Total Recoverable	Water	SM 2340B	809017
500-264590-3	MW-5A_20250226	Total Recoverable	Water	SM 2340B	809017
500-264590-5	MW-43_20250226	Total Recoverable	Water	SM 2340B	809017
500-264590-7	MW-44_20250226	Total Recoverable	Water	SM 2340B	809017
500-264590-9	MW-43SB_20250227	Total Recoverable	Water	SM 2340B	809017
500-264590-11	MW-3B_20250226	Total Recoverable	Water	SM 2340B	809017
500-264590-13	MW-3A_20250226	Total Recoverable	Water	SM 2340B	809017
500-264590-15	ARC-02_20250227	Total Recoverable	Water	SM 2340B	809017
500-264590-17	CBR-01_20250227	Total Recoverable	Water	SM 2340B	809017

General Chemistry

Analysis Batch: 808060

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264590-1	DKC-02_20250226	Total/NA	Water	300.0	
500-264590-3	MW-5A_20250226	Total/NA	Water	300.0	
500-264590-5	MW-43_20250226	Total/NA	Water	300.0	
500-264590-7	MW-44_20250226	Total/NA	Water	300.0	
500-264590-9	MW-43SB_20250227	Total/NA	Water	300.0	
500-264590-13	MW-3A_20250226	Total/NA	Water	300.0	
500-264590-15	ARC-02_20250227	Total/NA	Water	300.0	
500-264590-17	CBR-01_20250227	Total/NA	Water	300.0	
MB 500-808060/3	Method Blank	Total/NA	Water	300.0	
LCS 500-808060/4	Lab Control Sample	Total/NA	Water	300.0	
500-264590-3 MS	MW-5A_20250226	Total/NA	Water	300.0	
500-264590-3 MSD	MW-5A_20250226	Total/NA	Water	300.0	

Analysis Batch: 808061

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264590-1	DKC-02_20250226	Total/NA	Water	300.0	
500-264590-3	MW-5A_20250226	Total/NA	Water	300.0	
500-264590-5	MW-43_20250226	Total/NA	Water	300.0	
500-264590-7	MW-44_20250226	Total/NA	Water	300.0	
500-264590-9	MW-43SB_20250227	Total/NA	Water	300.0	
500-264590-13	MW-3A_20250226	Total/NA	Water	300.0	
500-264590-15	ARC-02_20250227	Total/NA	Water	300.0	
500-264590-17	CBR-01_20250227	Total/NA	Water	300.0	
MB 500-808061/3	Method Blank	Total/NA	Water	300.0	
LCS 500-808061/4	Lab Control Sample	Total/NA	Water	300.0	
500-264590-3 MS	MW-5A_20250226	Total/NA	Water	300.0	

General Chemistry (Continued)

Analysis Batch: 808061 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264590-3 MSD	MW-5A_20250226	Total/NA	Water	300.0	

Prep Batch: 808387

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264590-1	DKC-02_20250226	Total/NA	Water	Distill/CN	
500-264590-3	MW-5A_20250226	Total/NA	Water	Distill/CN	
500-264590-5	MW-43_20250226	Total/NA	Water	Distill/CN	
500-264590-7	MW-44_20250226	Total/NA	Water	Distill/CN	
500-264590-11	MW-3B_20250226	Total/NA	Water	Distill/CN	
500-264590-13	MW-3A_20250226	Total/NA	Water	Distill/CN	
MB 500-808387/1-A	Method Blank	Total/NA	Water	Distill/CN	
LCS 500-808387/2-A	Lab Control Sample	Total/NA	Water	Distill/CN	
500-264590-3 MS	MW-5A_20250226	Total/NA	Water	Distill/CN	
500-264590-3 MSD	MW-5A_20250226	Total/NA	Water	Distill/CN	

Analysis Batch: 808422

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264590-1	DKC-02_20250226	Total/NA	Water	SM 2540D	
500-264590-3	MW-5A_20250226	Total/NA	Water	SM 2540D	
500-264590-5	MW-43_20250226	Total/NA	Water	SM 2540D	
MB 500-808422/1	Method Blank	Total/NA	Water	SM 2540D	
LCS 500-808422/2	Lab Control Sample	Total/NA	Water	SM 2540D	
500-264590-3 MS	MW-5A_20250226	Total/NA	Water	SM 2540D	
500-264590-3 MSD	MW-5A_20250226	Total/NA	Water	SM 2540D	

Analysis Batch: 808532

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264590-7	MW-44_20250226	Total/NA	Water	SM 2540D	
500-264590-9	MW-43SB_20250227	Total/NA	Water	SM 2540D	
500-264590-11	MW-3B_20250226	Total/NA	Water	SM 2540D	
500-264590-13	MW-3A_20250226	Total/NA	Water	SM 2540D	
500-264590-15	ARC-02_20250227	Total/NA	Water	SM 2540D	
500-264590-17	CBR-01_20250227	Total/NA	Water	SM 2540D	
MB 500-808532/1	Method Blank	Total/NA	Water	SM 2540D	
LCS 500-808532/2	Lab Control Sample	Total/NA	Water	SM 2540D	
500-264590-11 DU	MW-3B_20250226	Total/NA	Water	SM 2540D	
500-264590-13 DU	MW-3A_20250226	Total/NA	Water	SM 2540D	

Prep Batch: 808573

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264590-1	DKC-02_20250226	Total/NA	Water	365.2/365.3/365	
500-264590-3	MW-5A_20250226	Total/NA	Water	365.2/365.3/365	
500-264590-5	MW-43_20250226	Total/NA	Water	365.2/365.3/365	
500-264590-7	MW-44_20250226	Total/NA	Water	365.2/365.3/365	
500-264590-9	MW-43SB_20250227	Total/NA	Water	365.2/365.3/365	
500-264590-11	MW-3B_20250226	Total/NA	Water	365.2/365.3/365	
500-264590-13	MW-3A_20250226	Total/NA	Water	365.2/365.3/365	
500-264590-15	ARC-02_20250227	Total/NA	Water	365.2/365.3/365	
500-264590-17	CBR-01_20250227	Total/NA	Water	365.2/365.3/365	
MB 500-808573/1-A	Method Blank	Total/NA	Water	365.2/365.3/365	
LCS 500-808573/2-A	Lab Control Sample	Total/NA	Water	365.2/365.3/365	

General Chemistry (Continued)

Prep Batch: 808573 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264590-3 MS	MW-5A_20250226	Total/NA	Water	365.2/365.3/365	
500-264590-3 MSD	MW-5A_20250226	Total/NA	Water	365.2/365.3/365	

Analysis Batch: 808576

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264590-1	DKC-02_20250226	Total/NA	Water	SM 4500 S2 F	
500-264590-3	MW-5A_20250226	Total/NA	Water	SM 4500 S2 F	
500-264590-5	MW-43_20250226	Total/NA	Water	SM 4500 S2 F	
500-264590-7	MW-44_20250226	Total/NA	Water	SM 4500 S2 F	
500-264590-9	MW-43SB_20250227	Total/NA	Water	SM 4500 S2 F	
500-264590-11	MW-3B_20250226	Total/NA	Water	SM 4500 S2 F	
500-264590-13	MW-3A_20250226	Total/NA	Water	SM 4500 S2 F	
500-264590-15	ARC-02_20250227	Total/NA	Water	SM 4500 S2 F	
500-264590-17	CBR-01_20250227	Total/NA	Water	SM 4500 S2 F	
MB 500-808576/1	Method Blank	Total/NA	Water	SM 4500 S2 F	
LCS 500-808576/2	Lab Control Sample	Total/NA	Water	SM 4500 S2 F	
500-264590-3 MS	MW-5A_20250226	Total/NA	Water	SM 4500 S2 F	
500-264590-3 MSD	MW-5A_20250226	Total/NA	Water	SM 4500 S2 F	

Analysis Batch: 808589

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264590-1	DKC-02_20250226	Total/NA	Water	SM 2540C	
500-264590-3	MW-5A_20250226	Total/NA	Water	SM 2540C	
500-264590-5	MW-43_20250226	Total/NA	Water	SM 2540C	
500-264590-7	MW-44_20250226	Total/NA	Water	SM 2540C	
500-264590-11	MW-3B_20250226	Total/NA	Water	SM 2540C	
500-264590-13	MW-3A_20250226	Total/NA	Water	SM 2540C	
MB 500-808589/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-808589/2	Lab Control Sample	Total/NA	Water	SM 2540C	
500-264590-3 MS	MW-5A_20250226	Total/NA	Water	SM 2540C	
500-264590-3 MSD	MW-5A_20250226	Total/NA	Water	SM 2540C	

Analysis Batch: 808596

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264590-1	DKC-02_20250226	Total/NA	Water	335.4	808387
500-264590-3	MW-5A_20250226	Total/NA	Water	335.4	808387
500-264590-5	MW-43_20250226	Total/NA	Water	335.4	808387
500-264590-7	MW-44_20250226	Total/NA	Water	335.4	808387
500-264590-11	MW-3B_20250226	Total/NA	Water	335.4	808387
500-264590-13	MW-3A_20250226	Total/NA	Water	335.4	808387
MB 500-808387/1-A	Method Blank	Total/NA	Water	335.4	808387
LCS 500-808387/2-A	Lab Control Sample	Total/NA	Water	335.4	808387
500-264590-3 MS	MW-5A_20250226	Total/NA	Water	335.4	808387
500-264590-3 MSD	MW-5A_20250226	Total/NA	Water	335.4	808387

Analysis Batch: 808615

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264590-1	DKC-02_20250226	Total/NA	Water	SM 2320B	
500-264590-5	MW-43_20250226	Total/NA	Water	SM 2320B	
500-264590-7	MW-44_20250226	Total/NA	Water	SM 2320B	
500-264590-9	MW-43SB_20250227	Total/NA	Water	SM 2320B	

General Chemistry (Continued)

Analysis Batch: 808615 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264590-11	MW-3B_20250226	Total/NA	Water	SM 2320B	
500-264590-13	MW-3A_20250226	Total/NA	Water	SM 2320B	
500-264590-15	ARC-02_20250227	Total/NA	Water	SM 2320B	
500-264590-17	CBR-01_20250227	Total/NA	Water	SM 2320B	
MB 500-808615/3	Method Blank	Total/NA	Water	SM 2320B	
LCS 500-808615/4	Lab Control Sample	Total/NA	Water	SM 2320B	
500-264590-11 DU	MW-3B_20250226	Total/NA	Water	SM 2320B	

Prep Batch: 808710

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264590-9	MW-43SB_20250227	Total/NA	Water	Distill/CN	
500-264590-15	ARC-02_20250227	Total/NA	Water	Distill/CN	
500-264590-17	CBR-01_20250227	Total/NA	Water	Distill/CN	
MB 500-808710/1-A	Method Blank	Total/NA	Water	Distill/CN	
LCS 500-808710/2-A	Lab Control Sample	Total/NA	Water	Distill/CN	

Analysis Batch: 808772

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264590-9	MW-43SB_20250227	Total/NA	Water	335.4	808710
500-264590-15	ARC-02_20250227	Total/NA	Water	335.4	808710
500-264590-17	CBR-01_20250227	Total/NA	Water	335.4	808710
MB 500-808710/1-A	Method Blank	Total/NA	Water	335.4	808710
LCS 500-808710/2-A	Lab Control Sample	Total/NA	Water	335.4	808710

Analysis Batch: 808783

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264590-3	MW-5A_20250226	Total/NA	Water	SM 2320B	
LB 500-808783/7	Method Blank	Total/NA	Water	SM 2320B	
MB 500-808783/3	Method Blank	Total/NA	Water	SM 2320B	
LCS 500-808783/4	Lab Control Sample	Total/NA	Water	SM 2320B	

Analysis Batch: 808929

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264590-1	DKC-02_20250226	Total/NA	Water	365.1	808573
500-264590-3	MW-5A_20250226	Total/NA	Water	365.1	808573
500-264590-5	MW-43_20250226	Total/NA	Water	365.1	808573
500-264590-7	MW-44_20250226	Total/NA	Water	365.1	808573
500-264590-9	MW-43SB_20250227	Total/NA	Water	365.1	808573
500-264590-11	MW-3B_20250226	Total/NA	Water	365.1	808573
500-264590-13	MW-3A_20250226	Total/NA	Water	365.1	808573
500-264590-15	ARC-02_20250227	Total/NA	Water	365.1	808573
500-264590-17	CBR-01_20250227	Total/NA	Water	365.1	808573
MB 500-808573/1-A	Method Blank	Total/NA	Water	365.1	808573
LCS 500-808573/2-A	Lab Control Sample	Total/NA	Water	365.1	808573
500-264590-3 MS	MW-5A_20250226	Total/NA	Water	365.1	808573
500-264590-3 MSD	MW-5A_20250226	Total/NA	Water	365.1	808573

Analysis Batch: 808973

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264590-9	MW-43SB_20250227	Total/NA	Water	SM 2540C	
500-264590-15	ARC-02_20250227	Total/NA	Water	SM 2540C	

General Chemistry (Continued)

Analysis Batch: 808973 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264590-17	CBR-01_20250227	Total/NA	Water	SM 2540C	
MB 500-808973/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-808973/2	Lab Control Sample	Total/NA	Water	SM 2540C	

Analysis Batch: 809164

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264590-11	MW-3B_20250226	Total/NA	Water	300.0	
MB 500-809164/3	Method Blank	Total/NA	Water	300.0	
LCS 500-809164/4	Lab Control Sample	Total/NA	Water	300.0	

Analysis Batch: 809165

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264590-11	MW-3B_20250226	Total/NA	Water	300.0	
MB 500-809165/3	Method Blank	Total/NA	Water	300.0	
LCS 500-809165/4	Lab Control Sample	Total/NA	Water	300.0	

Analysis Batch: 809478

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264590-1	DKC-02_20250226	Total/NA	Water	SM 5310C	
500-264590-3	MW-5A_20250226	Total/NA	Water	SM 5310C	
500-264590-5	MW-43_20250226	Total/NA	Water	SM 5310C	
500-264590-7	MW-44_20250226	Total/NA	Water	SM 5310C	
500-264590-9	MW-43SB_20250227	Total/NA	Water	SM 5310C	
MB 500-809478/7	Method Blank	Total/NA	Water	SM 5310C	
LCS 500-809478/8	Lab Control Sample	Total/NA	Water	SM 5310C	
500-264590-3 MS	MW-5A_20250226	Total/NA	Water	SM 5310C	
500-264590-3 MSD	MW-5A_20250226	Total/NA	Water	SM 5310C	

Analysis Batch: 809480

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264590-1	DKC-02_20250226	Dissolved	Water	SM 5310C	
500-264590-3	MW-5A_20250226	Dissolved	Water	SM 5310C	
500-264590-5	MW-43_20250226	Dissolved	Water	SM 5310C	
500-264590-7	MW-44_20250226	Dissolved	Water	SM 5310C	
500-264590-9	MW-43SB_20250227	Dissolved	Water	SM 5310C	
MB 500-809480/31	Method Blank	Dissolved	Water	SM 5310C	
LCS 500-809480/32	Lab Control Sample	Dissolved	Water	SM 5310C	
500-264590-3 MS	MW-5A_20250226	Dissolved	Water	SM 5310C	
500-264590-3 MSD	MW-5A_20250226	Dissolved	Water	SM 5310C	

Analysis Batch: 809649

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264590-9	MW-43SB_20250227	Total/NA	Water	300.0	
500-264590-13	MW-3A_20250226	Total/NA	Water	300.0	
MB 500-809674/12-A	Method Blank	Total/NA	Water	300.0	809674
LCS 500-809674/13-A	Lab Control Sample	Total/NA	Water	300.0	809674

Filtration Batch: 809674

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 500-809674/12-A	Method Blank	Total/NA	Water	FILTRATION	
LCS 500-809674/13-A	Lab Control Sample	Total/NA	Water	FILTRATION	

General Chemistry

Filtration Batch: 809790

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 500-809790/1-B	Method Blank	Total/NA	Water	FILTRATION	
LCS 500-809790/2-B	Lab Control Sample	Total/NA	Water	FILTRATION	

Prep Batch: 809792

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264590-1	DKC-02_20250226	Total/NA	Water	Distill/Ammonia	
500-264590-3	MW-5A_20250226	Total/NA	Water	Distill/Ammonia	
500-264590-5	MW-43_20250226	Total/NA	Water	Distill/Ammonia	
500-264590-7	MW-44_20250226	Total/NA	Water	Distill/Ammonia	
500-264590-9	MW-43SB_20250227	Total/NA	Water	Distill/Ammonia	
MB 500-809790/1-B	Method Blank	Total/NA	Water	Distill/Ammonia	809790
LCS 500-809790/2-B	Lab Control Sample	Total/NA	Water	Distill/Ammonia	809790
500-264590-3 MS	MW-5A_20250226	Total/NA	Water	Distill/Ammonia	
500-264590-3 MSD	MW-5A_20250226	Total/NA	Water	Distill/Ammonia	

Prep Batch: 809825

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264590-11	MW-3B_20250226	Total/NA	Water	Distill/Ammonia	
500-264590-13	MW-3A_20250226	Total/NA	Water	Distill/Ammonia	
500-264590-15	ARC-02_20250227	Total/NA	Water	Distill/Ammonia	
500-264590-17	CBR-01_20250227	Total/NA	Water	Distill/Ammonia	
MB 500-809825/1-A	Method Blank	Total/NA	Water	Distill/Ammonia	
LCS 500-809825/2-A	Lab Control Sample	Total/NA	Water	Distill/Ammonia	

Analysis Batch: 809866

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264590-11	MW-3B_20250226	Total/NA	Water	SM 5310C	
500-264590-13	MW-3A_20250226	Total/NA	Water	SM 5310C	
500-264590-15	ARC-02_20250227	Total/NA	Water	SM 5310C	
500-264590-17	CBR-01_20250227	Total/NA	Water	SM 5310C	
MB 500-809866/7	Method Blank	Total/NA	Water	SM 5310C	
LCS 500-809866/8	Lab Control Sample	Total/NA	Water	SM 5310C	

Analysis Batch: 809874

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264590-1	DKC-02_20250226	Total/NA	Water	350.1	809792
500-264590-3	MW-5A_20250226	Total/NA	Water	350.1	809792
500-264590-5	MW-43_20250226	Total/NA	Water	350.1	809792
500-264590-7	MW-44_20250226	Total/NA	Water	350.1	809792
500-264590-9	MW-43SB_20250227	Total/NA	Water	350.1	809792
MB 500-809790/1-B	Method Blank	Total/NA	Water	350.1	809792
LCS 500-809790/2-B	Lab Control Sample	Total/NA	Water	350.1	809792
500-264590-3 MS	MW-5A_20250226	Total/NA	Water	350.1	809792
500-264590-3 MSD	MW-5A_20250226	Total/NA	Water	350.1	809792

Analysis Batch: 809926

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264590-11	MW-3B_20250226	Total/NA	Water	350.1	809825
500-264590-13	MW-3A_20250226	Total/NA	Water	350.1	809825
500-264590-15	ARC-02_20250227	Total/NA	Water	350.1	809825
500-264590-17	CBR-01_20250227	Total/NA	Water	350.1	809825

General Chemistry (Continued)

Analysis Batch: 809926 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 500-809825/1-A	Method Blank	Total/NA	Water	350.1	809825
LCS 500-809825/2-A	Lab Control Sample	Total/NA	Water	350.1	809825

Analysis Batch: 810020

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264590-11	MW-3B_20250226	Dissolved	Water	SM 5310C	
500-264590-13	MW-3A_20250226	Dissolved	Water	SM 5310C	
500-264590-15	ARC-02_20250227	Dissolved	Water	SM 5310C	
500-264590-17	CBR-01_20250227	Dissolved	Water	SM 5310C	
MB 500-810020/31	Method Blank	Dissolved	Water	SM 5310C	
MB 500-810020/7	Method Blank	Dissolved	Water	SM 5310C	
LCS 500-810020/32	Lab Control Sample	Dissolved	Water	SM 5310C	
LCS 500-810020/8	Lab Control Sample	Dissolved	Water	SM 5310C	

Analysis Batch: 810053

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264590-1	DKC-02_20250226	Total/NA	Water	SM 2520B	
500-264590-3	MW-5A_20250226	Total/NA	Water	SM 2520B	
500-264590-5	MW-43_20250226	Total/NA	Water	SM 2520B	
500-264590-7	MW-44_20250226	Total/NA	Water	SM 2520B	
500-264590-9	MW-43SB_20250227	Total/NA	Water	SM 2520B	
500-264590-11	MW-3B_20250226	Total/NA	Water	SM 2520B	
500-264590-13	MW-3A_20250226	Total/NA	Water	SM 2520B	
500-264590-15	ARC-02_20250227	Total/NA	Water	SM 2520B	

Analysis Batch: 810870

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264590-17	CBR-01_20250227	Total/NA	Water	SM 2520B	

Method: 1630 - Methyl Mercury

Lab Sample ID: MB 350-5362/1-A
Matrix: Water
Analysis Batch: 5398

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 5362

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		03/05/25 12:50	03/05/25 18:47	1

Lab Sample ID: MB 350-5362/2-A
Matrix: Water
Analysis Batch: 5398

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 5362

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		03/05/25 12:50	03/05/25 18:57	1

Lab Sample ID: MB 350-5362/3-A
Matrix: Water
Analysis Batch: 5398

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 5362

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		03/05/25 12:50	03/05/25 19:07	1

Lab Sample ID: LCS 350-5362/4-A
Matrix: Water
Analysis Batch: 5398

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 5362

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Methyl Mercury			1.00	0.914		ng/L		91	65 - 135		

Lab Sample ID: LCSD 350-5362/5-A
Matrix: Water
Analysis Batch: 5398

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 5362

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Methyl Mercury			1.00	0.949		ng/L		95	65 - 135	4	35

Lab Sample ID: 500-264590-3 MS
Matrix: Water
Analysis Batch: 5398

Client Sample ID: MW-5A_20250226
Prep Type: Total/NA
Prep Batch: 5362

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Methyl Mercury	<0.022		1.00	0.976		ng/L		98	65 - 135		

Lab Sample ID: 500-264590-3 MSD
Matrix: Water
Analysis Batch: 5398

Client Sample ID: MW-5A_20250226
Prep Type: Total/NA
Prep Batch: 5362

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Methyl Mercury	<0.022		1.00	0.947		ng/L		95	65 - 135	3	35

Lab Sample ID: MB 350-5644/1-A
Matrix: Water
Analysis Batch: 5728

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 5644

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		03/19/25 12:53	03/20/25 16:27	1

Method: 1630 - Methyl Mercury

Lab Sample ID: MB 350-5644/2-A
Matrix: Water
Analysis Batch: 5728

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 5644

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		03/19/25 12:53	03/20/25 16:37	1

Lab Sample ID: MB 350-5644/3-A
Matrix: Water
Analysis Batch: 5728

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 5644

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		03/19/25 12:53	03/20/25 16:47	1

Lab Sample ID: LCS 350-5644/4-A
Matrix: Water
Analysis Batch: 5728

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 5644

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Methyl Mercury			1.00	0.835		ng/L		84	65 - 135		

Lab Sample ID: LCSD 350-5644/5-A
Matrix: Water
Analysis Batch: 5728

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 5644

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Methyl Mercury			1.00	0.796		ng/L		80	65 - 135	5	35

Lab Sample ID: 500-264590-3 MS
Matrix: Water
Analysis Batch: 5398

Client Sample ID: MW-5A_20250226
Prep Type: Dissolved
Prep Batch: 5362

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Methyl Mercury	<0.022		1.00	0.909		ng/L		91	65 - 135		

Lab Sample ID: 500-264590-3 MSD
Matrix: Water
Analysis Batch: 5398

Client Sample ID: MW-5A_20250226
Prep Type: Dissolved
Prep Batch: 5362

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Methyl Mercury	<0.022		1.00	0.924		ng/L		92	65 - 135	2	35

Method: 1631E - Mercury, Low Level (CVAFS)

Lab Sample ID: MB 350-5423/52
Matrix: Water
Analysis Batch: 5423

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			03/06/25 14:01	1

Method: 1631E - Mercury, Low Level (CVAFS) (Continued)

Lab Sample ID: MB 350-5423/53
Matrix: Water
Analysis Batch: 5423

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			03/06/25 14:05	1

Lab Sample ID: MB 350-5423/54
Matrix: Water
Analysis Batch: 5423

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			03/06/25 14:09	1

Lab Sample ID: MB 350-5423/63
Matrix: Water
Analysis Batch: 5423

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			03/06/25 14:47	1

Lab Sample ID: MB 350-5423/64
Matrix: Water
Analysis Batch: 5423

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			03/06/25 14:51	1

Lab Sample ID: MB 350-5423/65
Matrix: Water
Analysis Batch: 5423

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			03/06/25 14:55	1

Lab Sample ID: MB 350-5423/74
Matrix: Water
Analysis Batch: 5423

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			03/06/25 15:32	1

Lab Sample ID: MB 350-5423/75
Matrix: Water
Analysis Batch: 5423

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			03/06/25 15:37	1

Lab Sample ID: MB 350-5423/76
Matrix: Water
Analysis Batch: 5423

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			03/06/25 15:41	1

Method: 1631E - Mercury, Low Level (CVAFS)

Lab Sample ID: LCS 350-5423/55
Matrix: Water
Analysis Batch: 5423

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	5.00	4.51		ng/L		90	77 - 123

Lab Sample ID: LCS 350-5423/66
Matrix: Water
Analysis Batch: 5423

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	5.00	4.86		ng/L		97	77 - 123

Lab Sample ID: LCS 350-5423/77
Matrix: Water
Analysis Batch: 5423

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	5.00	4.64		ng/L		93	77 - 123

Lab Sample ID: LCSD 350-5423/56
Matrix: Water
Analysis Batch: 5423

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	5.00	4.45		ng/L		89	77 - 123	1	24

Lab Sample ID: LCSD 350-5423/67
Matrix: Water
Analysis Batch: 5423

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	5.00	4.81		ng/L		96	77 - 123	1	24

Lab Sample ID: LCSD 350-5423/78
Matrix: Water
Analysis Batch: 5423

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	5.00	4.48		ng/L		90	77 - 123	4	24

Lab Sample ID: 500-264590-3 MS
Matrix: Water
Analysis Batch: 5423

Client Sample ID: MW-5A_20250226
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.32	J	5.00	4.99		ng/L		93	71 - 125

Lab Sample ID: 500-264590-3 MSD
Matrix: Water
Analysis Batch: 5423

Client Sample ID: MW-5A_20250226
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	0.32	J	5.00	5.29		ng/L		99	71 - 125	6	24

Method: 1631E - Mercury, Low Level (CVAFS)

Lab Sample ID: 500-264590-4 MS
Matrix: Water
Analysis Batch: 5423

Client Sample ID: MW-5A_20250226_FBLL
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	FB Result	FB Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	<0.20		5.00	4.94		ng/L		99	71 - 125

Lab Sample ID: 500-264590-4 MSD
Matrix: Water
Analysis Batch: 5423

Client Sample ID: MW-5A_20250226_FBLL
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	FB Result	FB Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	<0.20		5.00	5.04		ng/L		101	71 - 125	2	24

Lab Sample ID: MB 350-5444/12
Matrix: Water
Analysis Batch: 5444

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.227	J	0.50	0.20	ng/L			03/07/25 11:43	1

Lab Sample ID: MB 350-5444/13
Matrix: Water
Analysis Batch: 5444

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			03/07/25 11:47	1

Lab Sample ID: MB 350-5444/14
Matrix: Water
Analysis Batch: 5444

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			03/07/25 11:51	1

Lab Sample ID: LCS 350-5444/15
Matrix: Water
Analysis Batch: 5444

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	5.00	4.93		ng/L		99	77 - 123

Lab Sample ID: LCSD 350-5444/16
Matrix: Water
Analysis Batch: 5444

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	5.00	4.98		ng/L		100	77 - 123	1	24

Lab Sample ID: 500-264590-3 MS
Matrix: Water
Analysis Batch: 5423

Client Sample ID: MW-5A_20250226
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	<0.20		5.00	5.21		ng/L		104	71 - 125

Method: 1631E - Mercury, Low Level (CVAFS)

Lab Sample ID: 500-264590-3 MSD
Matrix: Water
Analysis Batch: 5423

Client Sample ID: MW-5A_20250226
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	<0.20		5.00	5.11		ng/L		102	71 - 125	2	24

Method: 1638 - Metals (ICP/MS)

Lab Sample ID: MB 350-5412/1-A
Matrix: Water
Analysis Batch: 5461

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 5412

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	<0.0098		0.050	0.0098	ug/L		03/06/25 16:10	03/07/25 14:33	1

Lab Sample ID: MB 350-5412/2-A
Matrix: Water
Analysis Batch: 5461

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 5412

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	<0.0098		0.050	0.0098	ug/L		03/06/25 16:10	03/07/25 14:37	1

Lab Sample ID: LCS 350-5412/3-A
Matrix: Water
Analysis Batch: 5461

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 5412

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Uranium	25.0	23.7		ug/L		95	85 - 115

Lab Sample ID: LCSD 350-5412/4-A
Matrix: Water
Analysis Batch: 5461

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 5412

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Uranium	25.0	24.3		ug/L		97	85 - 115	2	20

Lab Sample ID: MB 350-5414/1-A
Matrix: Water
Analysis Batch: 5461

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 5414

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	<0.0098		0.050	0.0098	ug/L		03/06/25 16:10	03/07/25 16:46	1

Lab Sample ID: MB 350-5414/2-A
Matrix: Water
Analysis Batch: 5461

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 5414

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	<0.0098		0.050	0.0098	ug/L		03/06/25 16:10	03/07/25 16:49	1

Method: 1638 - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 350-5414/3-A
Matrix: Water
Analysis Batch: 5461

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 5414

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Uranium			25.0	26.0		ug/L		104	85 - 115		

Lab Sample ID: LCSD 350-5414/4-A
Matrix: Water
Analysis Batch: 5461

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 5414

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Uranium			25.0	26.0		ug/L		104	85 - 115	0	20

Lab Sample ID: 500-264590-3 MS
Matrix: Water
Analysis Batch: 5461

Client Sample ID: MW-5A_20250226
Prep Type: Total Recoverable
Prep Batch: 5414

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Uranium	11		25.0	36.5		ug/L		103	70 - 130		

Lab Sample ID: 500-264590-3 MSD
Matrix: Water
Analysis Batch: 5461

Client Sample ID: MW-5A_20250226
Prep Type: Total Recoverable
Prep Batch: 5414

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Uranium	11		25.0	36.2		ug/L		102	70 - 130	1	20

Lab Sample ID: 500-264590-3 MS
Matrix: Water
Analysis Batch: 5461

Client Sample ID: MW-5A_20250226
Prep Type: Dissolved
Prep Batch: 5412

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Uranium	12		25.0	35.9		ug/L		97	70 - 130		

Lab Sample ID: 500-264590-3 MSD
Matrix: Water
Analysis Batch: 5461

Client Sample ID: MW-5A_20250226
Prep Type: Dissolved
Prep Batch: 5412

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Uranium	12		25.0	36.2		ug/L		98	70 - 130	1	20

Lab Sample ID: 500-264590-15 MS
Matrix: Water
Analysis Batch: 5461

Client Sample ID: ARC-02_20250227
Prep Type: Dissolved
Prep Batch: 5412

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Uranium	0.096		25.0	24.9		ug/L		99	70 - 130		

Lab Sample ID: 500-264590-15 MSD
Matrix: Water
Analysis Batch: 5461

Client Sample ID: ARC-02_20250227
Prep Type: Dissolved
Prep Batch: 5412

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Uranium	0.096		25.0	25.3		ug/L		101	70 - 130	2	20

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 500-809017/1-A
Matrix: Water
Analysis Batch: 810217

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 809017

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<25		100	25	ug/L		03/07/25 08:15	03/17/25 15:43	1
Antimony	<1.3		3.0	1.3	ug/L		03/07/25 08:15	03/17/25 15:43	1
Arsenic	<0.23		1.0	0.23	ug/L		03/07/25 08:15	03/17/25 15:43	1
Barium	<0.73		2.5	0.73	ug/L		03/07/25 08:15	03/17/25 15:43	1
Beryllium	<0.53		1.0	0.53	ug/L		03/07/25 08:15	03/17/25 15:43	1
Boron	<13		50	13	ug/L		03/07/25 08:15	03/17/25 15:43	1
Cadmium	<0.17		0.50	0.17	ug/L		03/07/25 08:15	03/17/25 15:43	1
Calcium	<44		200	44	ug/L		03/07/25 08:15	03/17/25 15:43	1
Chromium	<1.1		5.0	1.1	ug/L		03/07/25 08:15	03/17/25 15:43	1
Cobalt	<0.40		1.0	0.40	ug/L		03/07/25 08:15	03/17/25 15:43	1
Copper	<0.50		2.0	0.50	ug/L		03/07/25 08:15	03/17/25 15:43	1
Iron	<47		100	47	ug/L		03/07/25 08:15	03/17/25 15:43	1
Lead	<0.19		0.50	0.19	ug/L		03/07/25 08:15	03/17/25 15:43	1
Lithium	<2.5		10	2.5	ug/L		03/07/25 08:15	03/17/25 15:43	1
Magnesium	<49		200	49	ug/L		03/07/25 08:15	03/17/25 15:43	1
Manganese	<0.79		2.5	0.79	ug/L		03/07/25 08:15	03/17/25 15:43	1
Molybdenum	<2.5		5.0	2.5	ug/L		03/07/25 08:15	03/17/25 15:43	1
Nickel	<0.63		2.0	0.63	ug/L		03/07/25 08:15	03/17/25 15:43	1
Potassium	<110		500	110	ug/L		03/07/25 08:15	03/17/25 15:43	1
Selenium	<0.98	^1+	2.5	0.98	ug/L		03/07/25 08:15	03/17/25 15:43	1
Silver	<0.12		0.50	0.12	ug/L		03/07/25 08:15	03/17/25 15:43	1
Sodium	<77		200	77	ug/L		03/07/25 08:15	03/17/25 15:43	1
Strontium	<0.64		4.0	0.64	ug/L		03/07/25 08:15	03/17/25 15:43	1
Thallium	<0.57		2.0	0.57	ug/L		03/07/25 08:15	03/17/25 15:43	1
Tin	<1.3		5.0	1.3	ug/L		03/07/25 08:15	03/17/25 15:43	1
Vanadium	<2.2		5.0	2.2	ug/L		03/07/25 08:15	03/17/25 15:43	1
Zinc	<6.9		20	6.9	ug/L		03/07/25 08:15	03/17/25 15:43	1

Lab Sample ID: LCS 500-809017/2-A
Matrix: Water
Analysis Batch: 810217

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 809017

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	2000	1980		ug/L		99	80 - 120
Antimony	500	524		ug/L		105	80 - 120
Arsenic	100	100		ug/L		100	80 - 120
Barium	500	520		ug/L		104	80 - 120
Beryllium	50.0	52.0		ug/L		104	80 - 120
Boron	1000	1040		ug/L		104	80 - 120
Cadmium	50.0	51.3		ug/L		103	80 - 120
Calcium	10000	8870		ug/L		89	80 - 120
Chromium	200	202		ug/L		101	80 - 120
Cobalt	500	547		ug/L		109	80 - 120
Copper	250	266		ug/L		106	80 - 120
Iron	1000	1070		ug/L		107	80 - 120
Lead	100	106		ug/L		106	80 - 120
Lithium	100	108		ug/L		108	80 - 120
Magnesium	10000	10900		ug/L		109	80 - 120
Manganese	500	528		ug/L		106	80 - 120

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 500-809017/2-A
Matrix: Water
Analysis Batch: 810217

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 809017

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Molybdenum	1000	1030		ug/L		103	80 - 120
Nickel	500	540		ug/L		108	80 - 120
Potassium	10000	11000		ug/L		110	80 - 120
Selenium	100	101	^1+	ug/L		101	80 - 120
Silver	50.0	53.1		ug/L		106	80 - 120
Sodium	10000	10800		ug/L		108	80 - 120
Strontium	1000	1030		ug/L		103	80 - 120
Thallium	100	108		ug/L		108	80 - 120
Tin	1000	1040		ug/L		104	80 - 120
Vanadium	500	526		ug/L		105	80 - 120
Zinc	500	508		ug/L		102	80 - 120

Lab Sample ID: 500-264590-3 MS
Matrix: Water
Analysis Batch: 810217

Client Sample ID: MW-5A_20250226
Prep Type: Total Recoverable
Prep Batch: 809017

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	<25		2000	2000		ug/L		100	75 - 125
Antimony	<1.3		500	536		ug/L		107	75 - 125
Arsenic	0.31	J	100	103		ug/L		103	75 - 125
Barium	620		500	1210		ug/L		117	75 - 125
Beryllium	<0.53		50.0	52.5		ug/L		105	75 - 125
Boron	180		1000	1230		ug/L		104	75 - 125
Cadmium	<0.17		50.0	52.1		ug/L		104	75 - 125
Calcium	170000		10000	186000	4	ug/L		120	75 - 125
Chromium	<1.1		200	202		ug/L		101	75 - 125
Cobalt	<0.40		500	551		ug/L		110	75 - 125
Copper	1.3	J	250	268		ug/L		107	75 - 125
Iron	<47		1000	1100		ug/L		110	75 - 125
Lead	<0.19		100	108		ug/L		108	75 - 125
Lithium	57		100	165		ug/L		108	75 - 125
Magnesium	13000		10000	23500		ug/L		106	75 - 125
Manganese	350		500	904		ug/L		111	75 - 125
Molybdenum	<2.5		1000	1070		ug/L		107	75 - 125
Nickel	<0.63		500	537		ug/L		107	75 - 125
Potassium	510		10000	11300		ug/L		108	75 - 125
Selenium	<0.98	^1+	100	103	^1+	ug/L		103	75 - 125
Silver	<0.12		50.0	53.2		ug/L		106	75 - 125
Sodium	110000		10000	120000	4	ug/L		102	75 - 125
Strontium	3200		1000	4190		ug/L		102	75 - 125
Thallium	<0.57		100	110		ug/L		110	75 - 125
Tin	<1.3		1000	1070		ug/L		107	75 - 125
Vanadium	<2.2		500	537		ug/L		107	75 - 125
Zinc	<6.9		500	515		ug/L		103	75 - 125

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 500-264590-3 MSD
Matrix: Water
Analysis Batch: 810217

Client Sample ID: MW-5A_20250226
Prep Type: Total Recoverable
Prep Batch: 809017

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum	<25		2000	1970		ug/L		99	75 - 125	1	20
Antimony	<1.3		500	537		ug/L		107	75 - 125	0	20
Arsenic	0.31	J	100	104		ug/L		103	75 - 125	0	20
Barium	620		500	1210		ug/L		118	75 - 125	0	20
Beryllium	<0.53		50.0	53.2		ug/L		106	75 - 125	1	20
Boron	180		1000	1220		ug/L		103	75 - 125	1	20
Cadmium	<0.17		50.0	52.3		ug/L		105	75 - 125	0	20
Calcium	170000		10000	182000	4	ug/L		76	75 - 125	2	20
Chromium	<1.1		200	202		ug/L		101	75 - 125	0	20
Cobalt	<0.40		500	556		ug/L		111	75 - 125	1	20
Copper	1.3	J	250	269		ug/L		107	75 - 125	0	20
Iron	<47		1000	1100		ug/L		110	75 - 125	0	20
Lead	<0.19		100	108		ug/L		108	75 - 125	0	20
Lithium	57		100	164		ug/L		107	75 - 125	1	20
Magnesium	13000		10000	23200		ug/L		103	75 - 125	1	20
Manganese	350		500	913		ug/L		113	75 - 125	1	20
Molybdenum	<2.5		1000	1080		ug/L		108	75 - 125	1	20
Nickel	<0.63		500	533		ug/L		107	75 - 125	1	20
Potassium	510		10000	11300		ug/L		108	75 - 125	1	20
Selenium	<0.98	^1+	100	103	^1+	ug/L		103	75 - 125	0	20
Silver	<0.12		50.0	53.1		ug/L		106	75 - 125	0	20
Sodium	110000		10000	117000	4	ug/L		77	75 - 125	2	20
Strontium	3200		1000	4170		ug/L		100	75 - 125	1	20
Thallium	<0.57		100	109		ug/L		109	75 - 125	1	20
Tin	<1.3		1000	1080		ug/L		108	75 - 125	1	20
Vanadium	<2.2		500	531		ug/L		106	75 - 125	1	20
Zinc	<6.9		500	516		ug/L		103	75 - 125	0	20

Lab Sample ID: 500-264590-3 DU
Matrix: Water
Analysis Batch: 810217

Client Sample ID: MW-5A_20250226
Prep Type: Total Recoverable
Prep Batch: 809017

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Aluminum	<25		<25		ug/L		NC	20
Antimony	<1.3		<1.3		ug/L		NC	20
Arsenic	0.31	J	0.317	J	ug/L		4	20
Barium	620		622		ug/L		0.2	20
Beryllium	<0.53		<0.53		ug/L		NC	20
Boron	180		186		ug/L		1	20
Cadmium	<0.17		<0.17		ug/L		NC	20
Calcium	170000		170000		ug/L		2	20
Chromium	<1.1		<1.1		ug/L		NC	20
Cobalt	<0.40		<0.40		ug/L		NC	20
Copper	1.3	J	1.27	J	ug/L		1	20
Iron	<47		<47		ug/L		NC	20
Lead	<0.19		<0.19		ug/L		NC	20
Lithium	57		56.4		ug/L		2	20
Magnesium	13000		12700		ug/L		2	20
Manganese	350		346		ug/L		1	20

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 500-264590-3 DU
Matrix: Water
Analysis Batch: 810217

Client Sample ID: MW-5A_20250226
Prep Type: Total Recoverable
Prep Batch: 809017

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Molybdenum	<2.5			<2.5		ug/L				NC	20
Nickel	<0.63			<0.63		ug/L				NC	20
Potassium	510			497	J	ug/L				3	20
Selenium	<0.98	^1+		<0.98	^1+	ug/L				NC	20
Silver	<0.12			<0.12		ug/L				NC	20
Sodium	110000			108000		ug/L				1	20
Strontium	3200			3140		ug/L				1	20
Thallium	<0.57			<0.57		ug/L				NC	20
Tin	<1.3			<1.3		ug/L				NC	20
Vanadium	<2.2			<2.2		ug/L				NC	20
Zinc	<6.9			<6.9		ug/L				NC	20

Lab Sample ID: 500-264590-3 MS
Matrix: Water
Analysis Batch: 810217

Client Sample ID: MW-5A_20250226
Prep Type: Dissolved
Prep Batch: 809017

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Aluminum	<25		2000	1950		ug/L		98	75 - 125		
Antimony	<1.3		500	528		ug/L		106	75 - 125		
Arsenic	0.27	J	100	101		ug/L		101	75 - 125		
Barium	640		500	1230		ug/L		118	75 - 125		
Beryllium	<0.53		50.0	51.2		ug/L		102	75 - 125		
Boron	190		1000	1230		ug/L		103	75 - 125		
Cadmium	<0.17		50.0	51.1		ug/L		102	75 - 125		
Calcium	170000		10000	180000	4	ug/L		118	75 - 125		
Chromium	<1.1		200	197		ug/L		99	75 - 125		
Cobalt	<0.40		500	545		ug/L		109	75 - 125		
Copper	1.0	J	250	262		ug/L		104	75 - 125		
Iron	<47		1000	1050		ug/L		105	75 - 125		
Lead	<0.19		100	105		ug/L		105	75 - 125		
Lithium	61		100	168		ug/L		108	75 - 125		
Magnesium	12000		10000	22100		ug/L		103	75 - 125		
Manganese	200		500	725		ug/L		105	75 - 125		
Molybdenum	<2.5		1000	1050		ug/L		105	75 - 125		
Nickel	<0.63		500	520		ug/L		104	75 - 125		
Potassium	530		10000	11100		ug/L		106	75 - 125		
Selenium	<0.98	^1+	100	101	^1+	ug/L		101	75 - 125		
Silver	<0.12		50.0	51.7		ug/L		103	75 - 125		
Sodium	120000		10000	131000	4	ug/L		135	75 - 125		
Strontium	3100		1000	4170		ug/L		105	75 - 125		
Thallium	<0.57		100	107		ug/L		107	75 - 125		
Tin	<1.3		1000	1060		ug/L		106	75 - 125		
Vanadium	<2.2		500	519		ug/L		104	75 - 125		
Zinc	<6.9		500	504		ug/L		101	75 - 125		

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 500-264590-3 MSD
Matrix: Water
Analysis Batch: 810217

Client Sample ID: MW-5A_20250226
Prep Type: Dissolved
Prep Batch: 809017

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum	<25		2000	1970		ug/L		98	75 - 125	1	20
Antimony	<1.3		500	526		ug/L		105	75 - 125	0	20
Arsenic	0.27	J	100	101		ug/L		101	75 - 125	0	20
Barium	640		500	1240		ug/L		120	75 - 125	1	20
Beryllium	<0.53		50.0	52.3		ug/L		105	75 - 125	2	20
Boron	190		1000	1250		ug/L		105	75 - 125	2	20
Cadmium	<0.17		50.0	50.8		ug/L		102	75 - 125	1	20
Calcium	170000		10000	180000	4	ug/L		116	75 - 125	0	20
Chromium	<1.1		200	198		ug/L		99	75 - 125	0	20
Cobalt	<0.40		500	544		ug/L		109	75 - 125	0	20
Copper	1.0	J	250	264		ug/L		105	75 - 125	1	20
Iron	<47		1000	1070		ug/L		107	75 - 125	2	20
Lead	<0.19		100	105		ug/L		105	75 - 125	0	20
Lithium	61		100	170		ug/L		109	75 - 125	1	20
Magnesium	12000		10000	22200		ug/L		104	75 - 125	0	20
Manganese	200		500	718		ug/L		104	75 - 125	1	20
Molybdenum	<2.5		1000	1060		ug/L		106	75 - 125	0	20
Nickel	<0.63		500	517		ug/L		103	75 - 125	1	20
Potassium	530		10000	11200		ug/L		107	75 - 125	1	20
Selenium	<0.98	^1+	100	101	^1+	ug/L		101	75 - 125	1	20
Silver	<0.12		50.0	52.1		ug/L		104	75 - 125	1	20
Sodium	120000		10000	131000	4	ug/L		139	75 - 125	0	20
Strontium	3100		1000	4150		ug/L		102	75 - 125	1	20
Thallium	<0.57		100	107		ug/L		107	75 - 125	0	20
Tin	<1.3		1000	1060		ug/L		106	75 - 125	0	20
Vanadium	<2.2		500	519		ug/L		104	75 - 125	0	20
Zinc	<6.9		500	506		ug/L		101	75 - 125	0	20

Lab Sample ID: 500-264590-3 DU
Matrix: Water
Analysis Batch: 810217

Client Sample ID: MW-5A_20250226
Prep Type: Dissolved
Prep Batch: 809017

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Aluminum	<25			<25		ug/L				NC	20
Antimony	<1.3			<1.3		ug/L				NC	20
Arsenic	0.27	J		0.269	J	ug/L				1	20
Barium	640			643		ug/L				0.06	20
Beryllium	<0.53			<0.53		ug/L				NC	20
Boron	190			199		ug/L				3	20
Cadmium	<0.17			<0.17		ug/L				NC	20
Calcium	170000			168000		ug/L				0.1	20
Chromium	<1.1			<1.1		ug/L				NC	20
Cobalt	<0.40			<0.40		ug/L				NC	20
Copper	1.0	J		1.02	J	ug/L				0.5	20
Iron	<47			<47		ug/L				NC	20
Lead	<0.19			<0.19		ug/L				NC	20
Lithium	61			61.7		ug/L				2	20
Magnesium	12000			11800		ug/L				0.4	20
Manganese	200			200		ug/L				0.3	20

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 500-264590-3 DU
Matrix: Water
Analysis Batch: 810217

Client Sample ID: MW-5A_20250226
Prep Type: Dissolved
Prep Batch: 809017

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Molybdenum	<2.5		<2.5		ug/L		NC	20
Nickel	<0.63		<0.63		ug/L		NC	20
Potassium	530		527		ug/L		0.1	20
Selenium	<0.98	^1+	<0.98	^1+	ug/L		NC	20
Silver	<0.12		<0.12		ug/L		NC	20
Sodium	120000		118000		ug/L		0.4	20
Strontium	3100		3130		ug/L		0.1	20
Thallium	<0.57		<0.57		ug/L		NC	20
Tin	<1.3		<1.3		ug/L		NC	20
Vanadium	<2.2		<2.2		ug/L		NC	20
Zinc	<6.9		<6.9		ug/L		NC	20

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 500-808060/3
Matrix: Water
Analysis Batch: 808060

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	<0.45		1.0	0.45	mg/L			02/28/25 08:38	1
Chloride	<0.42		1.0	0.42	mg/L			02/28/25 08:38	1
Fluoride	<0.43		1.0	0.43	mg/L			02/28/25 08:38	1
Sulfate	<0.47		1.0	0.47	mg/L			02/28/25 08:38	1

Lab Sample ID: LCS 500-808060/4
Matrix: Water
Analysis Batch: 808060

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bromide	20.0	18.5		mg/L		92	90 - 110
Chloride	100	101		mg/L		101	90 - 110
Fluoride	20.0	19.1		mg/L		95	90 - 110
Sulfate	100	103		mg/L		103	90 - 110

Lab Sample ID: 500-264590-3 MS
Matrix: Water
Analysis Batch: 808060

Client Sample ID: MW-5A_20250226
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Bromide	2.1		10.0	12.1		mg/L		100	80 - 120
Chloride	240		10.0	243	4	mg/L		21	80 - 120
Fluoride	<0.43		10.0	10.3		mg/L		103	80 - 120
Sulfate	3.0		10.0	13.7		mg/L		107	80 - 120

Lab Sample ID: 500-264590-3 MSD
Matrix: Water
Analysis Batch: 808060

Client Sample ID: MW-5A_20250226
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Bromide	2.1		10.0	11.9		mg/L		98	80 - 120	2	20

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 500-264590-3 MSD
Matrix: Water
Analysis Batch: 808060

Client Sample ID: MW-5A_20250226
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	240		10.0	236	4	mg/L		-46	80 - 120	3	20
Fluoride	<0.43		10.0	10.2		mg/L		102	80 - 120	1	20
Sulfate	3.0		10.0	13.5		mg/L		105	80 - 120	1	20

Lab Sample ID: MB 500-808061/3
Matrix: Water
Analysis Batch: 808061

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	<0.37		1.0	0.37	mg/L			02/28/25 08:38	1
Nitrite as N	<0.25		1.0	0.25	mg/L			02/28/25 08:38	1
Nitrate Nitrite as N	<0.37		1.0	0.37	mg/L			02/28/25 08:38	1

Lab Sample ID: LCS 500-808061/4
Matrix: Water
Analysis Batch: 808061

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate as N	20.0	20.6		mg/L		103	90 - 110
Nitrite as N	20.0	20.1		mg/L		100	90 - 110
Nitrate Nitrite as N	40.0	40.7		mg/L		102	90 - 110

Lab Sample ID: 500-264590-3 MS
Matrix: Water
Analysis Batch: 808061

Client Sample ID: MW-5A_20250226
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate as N	<0.37	H F1	2.26	3.16	H F1	mg/L		140	80 - 120
Nitrite as N	<0.25	H	3.03	3.45	H	mg/L		114	80 - 120
Nitrate Nitrite as N	<0.37	H F1	5.29	6.61	H F1	mg/L		125	80 - 120

Lab Sample ID: 500-264590-3 MSD
Matrix: Water
Analysis Batch: 808061

Client Sample ID: MW-5A_20250226
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrate as N	<0.37	H F1	2.26	3.13	H F1	mg/L		139	80 - 120	1	20
Nitrite as N	<0.25	H	3.03	3.40	H	mg/L		112	80 - 120	1	20
Nitrate Nitrite as N	<0.37	H F1	5.29	6.53	H F1	mg/L		123	80 - 120	1	20

Lab Sample ID: MB 500-809164/3
Matrix: Water
Analysis Batch: 809164

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	<0.45		1.0	0.45	mg/L			03/08/25 20:26	1
Chloride	<0.42		1.0	0.42	mg/L			03/08/25 20:26	1
Fluoride	<0.43		1.0	0.43	mg/L			03/08/25 20:26	1
Sulfate	<0.47		1.0	0.47	mg/L			03/08/25 20:26	1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 500-809164/4
Matrix: Water
Analysis Batch: 809164

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bromide	20.0	18.3		mg/L		92	90 - 110
Chloride	20.0	19.2		mg/L		96	90 - 110
Fluoride	20.0	18.3		mg/L		91	90 - 110
Sulfate	20.0	19.1		mg/L		95	90 - 110

Lab Sample ID: MB 500-809165/3
Matrix: Water
Analysis Batch: 809165

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	0.426	J	1.0	0.37	mg/L			03/08/25 20:26	1
Nitrite as N	<0.25		1.0	0.25	mg/L			03/08/25 20:26	1
Nitrate Nitrite as N	0.426	J	1.0	0.37	mg/L			03/08/25 20:26	1

Lab Sample ID: LCS 500-809165/4
Matrix: Water
Analysis Batch: 809165

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate as N	20.0	18.4		mg/L		92	90 - 110
Nitrite as N	20.0	19.6		mg/L		98	90 - 110
Nitrate Nitrite as N	40.0	38.0		mg/L		95	90 - 110

Lab Sample ID: MB 500-809674/12-A
Matrix: Water
Analysis Batch: 809649

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.42		1.0	0.42	mg/L			03/12/25 12:56	1

Lab Sample ID: LCS 500-809674/13-A
Matrix: Water
Analysis Batch: 809649

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	20.0	19.6		mg/L		98	90 - 110

Method: 335.4 - Cyanide, Total

Lab Sample ID: MB 500-808387/1-A
Matrix: Water
Analysis Batch: 808596

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 808387

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.0036		0.0050	0.0036	mg/L		03/03/25 13:17	03/04/25 15:12	1

Method: 335.4 - Cyanide, Total (Continued)

Lab Sample ID: LCS 500-808387/2-A
Matrix: Water
Analysis Batch: 808596

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 808387

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.100	0.0900		mg/L		90	90 - 110

Lab Sample ID: 500-264590-3 MS
Matrix: Water
Analysis Batch: 808596

Client Sample ID: MW-5A_20250226
Prep Type: Total/NA
Prep Batch: 808387

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	<0.0036		0.100	0.0910		mg/L		91	90 - 110

Lab Sample ID: 500-264590-3 MSD
Matrix: Water
Analysis Batch: 808596

Client Sample ID: MW-5A_20250226
Prep Type: Total/NA
Prep Batch: 808387

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Cyanide, Total	<0.0036		0.100	0.0930		mg/L		93	90 - 110	2	20

Lab Sample ID: MB 500-808710/1-A
Matrix: Water
Analysis Batch: 808772

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 808710

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.0036		0.0050	0.0036	mg/L		03/05/25 12:10	03/05/25 15:51	1

Lab Sample ID: LCS 500-808710/2-A
Matrix: Water
Analysis Batch: 808772

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 808710

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.100	0.0930		mg/L		93	90 - 110

Method: 350.1 - Nitrogen, Ammonia

Lab Sample ID: MB 500-809790/1-B
Matrix: Water
Analysis Batch: 809874

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 809792

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	<0.10		0.20	0.10	mg/L		03/13/25 11:42	03/13/25 17:47	1

Lab Sample ID: LCS 500-809790/2-B
Matrix: Water
Analysis Batch: 809874

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 809792

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ammonia	2.00	1.82		mg/L		91	90 - 110

Method: 350.1 - Nitrogen, Ammonia (Continued)

Lab Sample ID: 500-264590-3 MS
Matrix: Water
Analysis Batch: 809874

Client Sample ID: MW-5A_20250226
Prep Type: Total/NA
Prep Batch: 809792

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ammonia	<0.10		2.00	2.02		mg/L		101	90 - 110

Lab Sample ID: 500-264590-3 MSD
Matrix: Water
Analysis Batch: 809874

Client Sample ID: MW-5A_20250226
Prep Type: Total/NA
Prep Batch: 809792

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Ammonia	<0.10		2.00	2.10		mg/L		105	90 - 110	4	20

Lab Sample ID: MB 500-809825/1-A
Matrix: Water
Analysis Batch: 809926

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 809825

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	<0.10		0.20	0.10	mg/L		03/13/25 14:06	03/14/25 09:21	1

Lab Sample ID: LCS 500-809825/2-A
Matrix: Water
Analysis Batch: 809926

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 809825

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ammonia	2.00	2.00		mg/L		100	90 - 110

Method: 365.1 - Phosphorus, Total

Lab Sample ID: MB 500-808573/1-A
Matrix: Water
Analysis Batch: 808929

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 808573

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phosphorus as P	<0.024		0.050	0.024	mg/L		03/05/25 07:50	03/06/25 13:41	1

Lab Sample ID: LCS 500-808573/2-A
Matrix: Water
Analysis Batch: 808929

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 808573

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Phosphorus as P	1.00	0.964		mg/L		96	88 - 123

Lab Sample ID: 500-264590-3 MS
Matrix: Water
Analysis Batch: 808929

Client Sample ID: MW-5A_20250226
Prep Type: Total/NA
Prep Batch: 808573

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Phosphorus as P	0.027	J	1.00	0.979		mg/L		95	75 - 125

Method: 365.1 - Phosphorus, Total (Continued)

Lab Sample ID: 500-264590-3 MSD
Matrix: Water
Analysis Batch: 808929

Client Sample ID: MW-5A_20250226
Prep Type: Total/NA
Prep Batch: 808573

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Phosphorus as P	0.027	J	1.00	0.997		mg/L		97	75 - 125	2	20

Method: SM 2320B - Alkalinity

Lab Sample ID: MB 500-808615/3
Matrix: Water
Analysis Batch: 808615

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	<3.7		5.0	3.7	mg/L			03/04/25 15:47	1
Bicarbonate Alkalinity as CaCO3	<3.7		5.0	3.7	mg/L			03/04/25 15:47	1
Carbonate Alkalinity as CaCO3	<3.7		5.0	3.7	mg/L			03/04/25 15:47	1

Lab Sample ID: LCS 500-808615/4
Matrix: Water
Analysis Batch: 808615

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Alkalinity	100	104		mg/L		104	95 - 121

Lab Sample ID: 500-264590-11 DU
Matrix: Water
Analysis Batch: 808615

Client Sample ID: MW-3B_20250226
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Alkalinity	420		428		mg/L		0.8	20
Bicarbonate Alkalinity as CaCO3	420		428		mg/L		0.8	20
Carbonate Alkalinity as CaCO3	<3.7		<3.7		mg/L		NC	20

Lab Sample ID: LB 500-808783/7
Matrix: Water
Analysis Batch: 808783

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	<3.7		5.0	3.7	mg/L			03/05/25 09:45	1
Bicarbonate Alkalinity as CaCO3	<3.7		5.0	3.7	mg/L			03/05/25 09:45	1
Carbonate Alkalinity as CaCO3	<3.7		5.0	3.7	mg/L			03/05/25 09:45	1

Lab Sample ID: MB 500-808783/3
Matrix: Water
Analysis Batch: 808783

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	<3.7		5.0	3.7	mg/L			03/05/25 09:13	1
Bicarbonate Alkalinity as CaCO3	<3.7		5.0	3.7	mg/L			03/05/25 09:13	1
Carbonate Alkalinity as CaCO3	<3.7		5.0	3.7	mg/L			03/05/25 09:13	1

Method: SM 2320B - Alkalinity (Continued)

Lab Sample ID: LCS 500-808783/4
Matrix: Water
Analysis Batch: 808783

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Alkalinity	100	105		mg/L		105	95 - 121

Method: SM 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 500-808589/1
Matrix: Water
Analysis Batch: 808589

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<4.3		10	4.3	mg/L			03/04/25 15:31	1

Lab Sample ID: LCS 500-808589/2
Matrix: Water
Analysis Batch: 808589

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	250	248		mg/L		99	80 - 120

Lab Sample ID: 500-264590-3 MS
Matrix: Water
Analysis Batch: 808589

Client Sample ID: MW-5A_20250226
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	760		250	1020		mg/L		103	75 - 125

Lab Sample ID: 500-264590-3 MSD
Matrix: Water
Analysis Batch: 808589

Client Sample ID: MW-5A_20250226
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Dissolved Solids	760		250	1010		mg/L		99	75 - 125	1	20

Lab Sample ID: MB 500-808973/1
Matrix: Water
Analysis Batch: 808973

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<4.3		10	4.3	mg/L			03/06/25 16:31	1

Lab Sample ID: LCS 500-808973/2
Matrix: Water
Analysis Batch: 808973

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	250	252		mg/L		101	80 - 120

Method: SM 2540D - Solids, Total Suspended (TSS)

Lab Sample ID: MB 500-808422/1
Matrix: Water
Analysis Batch: 808422

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	<1.9		5.0	1.9	mg/L			03/03/25 15:16	1

Lab Sample ID: LCS 500-808422/2
Matrix: Water
Analysis Batch: 808422

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Suspended Solids	200	178		mg/L		89	80 - 120

Lab Sample ID: 500-264590-3 MS
Matrix: Water
Analysis Batch: 808422

Client Sample ID: MW-5A_20250226
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Total Suspended Solids	2.4	J	100	83.0		mg/L		81	75 - 125

Lab Sample ID: 500-264590-3 MSD
Matrix: Water
Analysis Batch: 808422

Client Sample ID: MW-5A_20250226
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Suspended Solids	2.4	J	100	91.0		mg/L		89	75 - 125	9	20

Lab Sample ID: MB 500-808532/1
Matrix: Water
Analysis Batch: 808532

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	<1.9		5.0	1.9	mg/L			03/04/25 10:41	1

Lab Sample ID: LCS 500-808532/2
Matrix: Water
Analysis Batch: 808532

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Suspended Solids	200	186		mg/L		93	80 - 120

Lab Sample ID: 500-264590-11 DU
Matrix: Water
Analysis Batch: 808532

Client Sample ID: MW-3B_20250226
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Suspended Solids	<1.9		<1.9		mg/L		NC	5

Lab Sample ID: 500-264590-13 DU
Matrix: Water
Analysis Batch: 808532

Client Sample ID: MW-3A_20250226
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Suspended Solids	6.4		6.00	F5	mg/L		6	5

Method: SM 4500 S2 F - Sulfide, Total

Lab Sample ID: MB 500-808576/1
Matrix: Water
Analysis Batch: 808576

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	<0.23		1.0	0.23	mg/L			03/04/25 13:00	1

Lab Sample ID: LCS 500-808576/2
Matrix: Water
Analysis Batch: 808576

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfide	3.26	3.59		mg/L		110	85 - 115

Lab Sample ID: 500-264590-3 MS
Matrix: Water
Analysis Batch: 808576

Client Sample ID: MW-5A_20250226
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfide	<0.58		8.15	8.57		mg/L		105	75 - 125

Lab Sample ID: 500-264590-3 MSD
Matrix: Water
Analysis Batch: 808576

Client Sample ID: MW-5A_20250226
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfide	<0.58		8.15	8.73		mg/L		107	75 - 125	2	20

Method: SM 5310C - TOC

Lab Sample ID: MB 500-809478/7
Matrix: Water
Analysis Batch: 809478

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	<0.47		1.0	0.47	mg/L			03/10/25 12:18	1

Lab Sample ID: LCS 500-809478/8
Matrix: Water
Analysis Batch: 809478

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Organic Carbon	10.0	9.79		mg/L		98	86 - 116

Lab Sample ID: 500-264590-3 MS
Matrix: Water
Analysis Batch: 809478

Client Sample ID: MW-5A_20250226
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Total Organic Carbon	2.3		10.0	12.6		mg/L		103	75 - 125

Method: SM 5310C - TOC (Continued)

Lab Sample ID: 500-264590-3 MSD
Matrix: Water
Analysis Batch: 809478

Client Sample ID: MW-5A_20250226
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Organic Carbon	2.3		10.0	12.7		mg/L		104	75 - 125	1	20

Lab Sample ID: MB 500-809866/7
Matrix: Water
Analysis Batch: 809866

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	<0.47		1.0	0.47	mg/L			03/12/25 18:47	1

Lab Sample ID: LCS 500-809866/8
Matrix: Water
Analysis Batch: 809866

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Organic Carbon	10.0	10.2		mg/L		102	86 - 116

Method: SM 5310C - Organic Carbon, Dissolved (DOC)

Lab Sample ID: MB 500-809480/31
Matrix: Water
Analysis Batch: 809480

Client Sample ID: Method Blank
Prep Type: Dissolved

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon	<0.47		1.0	0.47	mg/L			03/11/25 12:29	1

Lab Sample ID: LCS 500-809480/32
Matrix: Water
Analysis Batch: 809480

Client Sample ID: Lab Control Sample
Prep Type: Dissolved

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Dissolved Organic Carbon	10.0	10.0		mg/L		100	86 - 116

Lab Sample ID: 500-264590-3 MS
Matrix: Water
Analysis Batch: 809480

Client Sample ID: MW-5A_20250226
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Dissolved Organic Carbon	2.2		10.0	12.3		mg/L		101	75 - 125

Lab Sample ID: 500-264590-3 MSD
Matrix: Water
Analysis Batch: 809480

Client Sample ID: MW-5A_20250226
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Dissolved Organic Carbon	2.2		10.0	12.3		mg/L		101	75 - 125	0	20

Method: SM 5310C - Organic Carbon, Dissolved (DOC) (Continued)

Lab Sample ID: MB 500-810020/31
Matrix: Water
Analysis Batch: 810020

Client Sample ID: Method Blank
Prep Type: Dissolved

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon	<0.47		1.0	0.47	mg/L			03/13/25 07:41	1

Lab Sample ID: MB 500-810020/7
Matrix: Water
Analysis Batch: 810020

Client Sample ID: Method Blank
Prep Type: Dissolved

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon	<0.47		1.0	0.47	mg/L			03/12/25 18:47	1

Lab Sample ID: LCS 500-810020/32
Matrix: Water
Analysis Batch: 810020

Client Sample ID: Lab Control Sample
Prep Type: Dissolved

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Dissolved Organic Carbon	10.0	10.2		mg/L		102	86 - 116

Lab Sample ID: LCS 500-810020/8
Matrix: Water
Analysis Batch: 810020

Client Sample ID: Lab Control Sample
Prep Type: Dissolved

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Dissolved Organic Carbon	10.0	10.2		mg/L		102	86 - 116

Lab Chronicle

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264590-1

Client Sample ID: DKC-02_20250226

Lab Sample ID: 500-264590-1

Date Collected: 02/26/25 09:00

Matrix: Water

Date Received: 02/28/25 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	1630			5644	AJD	EET SSM	03/19/25 12:53
Dissolved	Analysis	1630		1	5728	COW	EET SSM	03/20/25 19:40
Total/NA	Prep	1630			5644	AJD	EET SSM	03/19/25 12:53
Total/NA	Analysis	1630		1	5728	COW	EET SSM	03/20/25 19:30
Dissolved	Analysis	1631E		1	5423	D1C	EET SSM	03/06/25 19:37
Total/NA	Analysis	1631E		1	5423	D1C	EET SSM	03/06/25 19:33
Dissolved	Prep	1638			5412	V1R	EET SSM	03/06/25 16:10
Dissolved	Analysis	1638		1	5461	V1R	EET SSM	03/07/25 15:22
Total Recoverable	Prep	1638			5414	V1R	EET SSM	03/06/25 16:10
Total Recoverable	Analysis	1638		1	5461	V1R	EET SSM	03/07/25 17:28
Dissolved	Prep	3005A			809017	BDE	EET CHI	03/07/25 08:15 - 03/07/25 14:15 [1]
Dissolved	Analysis	6020B		1	810217	RN	EET CHI	03/17/25 16:27
Total Recoverable	Prep	3005A			809017	BDE	EET CHI	03/07/25 08:15 - 03/07/25 14:15 [1]
Total Recoverable	Analysis	6020B		1	810217	RN	EET CHI	03/17/25 15:48
Total Recoverable	Prep	3005A			809017	BDE	EET CHI	03/07/25 08:15 - 03/07/25 14:15 [1]
Total Recoverable	Analysis	SM 2340B		1	810243	DAJ	EET CHI	03/18/25 09:04
Total/NA	Analysis	300.0		1	808060	MM	EET CHI	02/28/25 15:15
Total/NA	Analysis	300.0		1	808061	MM	EET CHI	02/28/25 15:15
Total/NA	Prep	Distill/CN			808387	AC	EET CHI	03/03/25 13:17 - 03/03/25 13:47 [1]
Total/NA	Analysis	335.4		1	808596	AC	EET CHI	03/04/25 15:28
Total/NA	Prep	Distill/Ammonia			809792	EB	EET CHI	03/13/25 11:42 - 03/13/25 12:42 [1]
Total/NA	Analysis	350.1		1	809874	EB	EET CHI	03/13/25 17:57
Total/NA	Prep	365.2/365.3/365			808573	MF	EET CHI	03/05/25 07:50 - 03/05/25 11:50 [1]
Total/NA	Analysis	365.1		1	808929	KF	EET CHI	03/06/25 13:45
Total/NA	Analysis	SM 2320B		1	808615	AC	EET CHI	03/04/25 17:30
Total/NA	Analysis	SM 2520B		1	810053	AC	EET CHI	03/17/25 07:43
Total/NA	Analysis	SM 2540C		1	808589	SO	EET CHI	03/04/25 15:57
Total/NA	Analysis	SM 2540D		1	808422	SO	EET CHI	03/03/25 15:44 - 03/03/25 15:46 [1]
Total/NA	Analysis	SM 4500 S2 F		1	808576	TR	EET CHI	03/04/25 13:06 - 03/04/25 13:09 [1]
Dissolved	Analysis	SM 5310C		1	809480	TR	EET CHI	03/11/25 12:29
Total/NA	Analysis	SM 5310C		1	809478	TR	EET CHI	03/10/25 19:50

Client Sample ID: DKC-02_20250226_FBLL

Lab Sample ID: 500-264590-2

Date Collected: 02/26/25 09:00

Matrix: Water

Date Received: 02/28/25 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	1631E		1	5423	D1C	EET SSM	03/06/25 19:41

Lab Chronicle

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264590-1

Client Sample ID: MW-5A_20250226

Lab Sample ID: 500-264590-3

Date Collected: 02/26/25 10:30

Matrix: Water

Date Received: 02/28/25 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	1630			5362	AJD	EET SSM	03/05/25 12:50
Dissolved	Analysis	1630		1	5398	COW	EET SSM	03/05/25 20:49
Total/NA	Prep	1630			5362	AJD	EET SSM	03/05/25 12:50
Total/NA	Analysis	1630		1	5398	COW	EET SSM	03/05/25 20:18
Dissolved	Analysis	1631E		1	5423	D1C	EET SSM	03/06/25 13:45
Total/NA	Analysis	1631E		1	5423	D1C	EET SSM	03/06/25 13:40
Dissolved	Prep	1638			5412	V1R	EET SSM	03/06/25 16:10
Dissolved	Analysis	1638		1	5461	V1R	EET SSM	03/07/25 14:47
Total Recoverable	Prep	1638			5414	V1R	EET SSM	03/06/25 16:10
Total Recoverable	Analysis	1638		1	5461	V1R	EET SSM	03/07/25 16:59
Dissolved	Prep	3005A			809017	BDE	EET CHI	03/07/25 08:15 - 03/07/25 14:15 [1]
Dissolved	Analysis	6020B		1	810217	RN	EET CHI	03/17/25 16:30
Total Recoverable	Prep	3005A			809017	BDE	EET CHI	03/07/25 08:15 - 03/07/25 14:15 [1]
Total Recoverable	Analysis	6020B		1	810217	RN	EET CHI	03/17/25 15:50
Total Recoverable	Prep	3005A			809017	BDE	EET CHI	03/07/25 08:15 - 03/07/25 14:15 [1]
Total Recoverable	Analysis	SM 2340B		1	810243	DAJ	EET CHI	03/18/25 09:04
Total/NA	Analysis	300.0		1	808060	MM	EET CHI	02/28/25 16:01
Total/NA	Analysis	300.0		1	808061	MM	EET CHI	02/28/25 16:01
Total/NA	Prep	Distill/CN			808387	AC	EET CHI	03/03/25 13:17 - 03/03/25 13:47 [1]
Total/NA	Analysis	335.4		1	808596	AC	EET CHI	03/04/25 15:29
Total/NA	Prep	Distill/Ammonia			809792	EB	EET CHI	03/13/25 11:42 - 03/13/25 12:42 [1]
Total/NA	Analysis	350.1		1	809874	EB	EET CHI	03/13/25 17:58
Total/NA	Prep	365.2/365.3/365			808573	MF	EET CHI	03/05/25 07:50 - 03/05/25 11:50 [1]
Total/NA	Analysis	365.1		1	808929	KF	EET CHI	03/06/25 13:45
Total/NA	Analysis	SM 2320B		1	808783	AC	EET CHI	03/05/25 10:06
Total/NA	Analysis	SM 2520B		1	810053	AC	EET CHI	03/17/25 07:43
Total/NA	Analysis	SM 2540C		1	808589	SO	EET CHI	03/04/25 15:59
Total/NA	Analysis	SM 2540D		1	808422	SO	EET CHI	03/03/25 15:46 - 03/03/25 15:49 [1]
Total/NA	Analysis	SM 4500 S2 F		1	808576	TR	EET CHI	03/04/25 13:09 - 03/04/25 13:13 [1]
Dissolved	Analysis	SM 5310C		1	809480	TR	EET CHI	03/11/25 12:29
Total/NA	Analysis	SM 5310C		1	809478	TR	EET CHI	03/10/25 20:22

Client Sample ID: MW-5A_20250226_FBLL

Lab Sample ID: 500-264590-4

Date Collected: 02/26/25 10:30

Matrix: Water

Date Received: 02/28/25 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	1631E		1	5423	D1C	EET SSM	03/06/25 13:49

Lab Chronicle

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264590-1

Client Sample ID: MW-43_20250226

Lab Sample ID: 500-264590-5

Date Collected: 02/26/25 16:45

Matrix: Water

Date Received: 02/28/25 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	1630			5644	AJD	EET SSM	03/19/25 12:53
Dissolved	Analysis	1630		1	5728	COW	EET SSM	03/20/25 20:01
Total/NA	Prep	1630			5644	AJD	EET SSM	03/19/25 12:53
Total/NA	Analysis	1630		1	5728	COW	EET SSM	03/20/25 19:50
Dissolved	Analysis	1631E		1	5423	D1C	EET SSM	03/06/25 19:50
Total/NA	Analysis	1631E		1	5423	D1C	EET SSM	03/06/25 19:46
Dissolved	Prep	1638			5412	V1R	EET SSM	03/06/25 16:10
Dissolved	Analysis	1638		1	5461	V1R	EET SSM	03/07/25 15:25
Total Recoverable	Prep	1638			5414	V1R	EET SSM	03/06/25 16:10
Total Recoverable	Analysis	1638		1	5461	V1R	EET SSM	03/07/25 17:31
Dissolved	Prep	3005A			809017	BDE	EET CHI	03/07/25 08:15 - 03/07/25 14:15 [1]
Dissolved	Analysis	6020B		1	810217	RN	EET CHI	03/17/25 16:47
Total Recoverable	Prep	3005A			809017	BDE	EET CHI	03/07/25 08:15 - 03/07/25 14:15 [1]
Total Recoverable	Analysis	6020B		1	810217	RN	EET CHI	03/17/25 16:02
Total Recoverable	Prep	3005A			809017	BDE	EET CHI	03/07/25 08:15 - 03/07/25 14:15 [1]
Total Recoverable	Analysis	SM 2340B		1	810243	DAJ	EET CHI	03/18/25 09:04
Total/NA	Analysis	300.0		1	808060	MM	EET CHI	02/28/25 12:20
Total/NA	Analysis	300.0		1	808061	MM	EET CHI	02/28/25 12:20
Total/NA	Prep	Distill/CN			808387	AC	EET CHI	03/03/25 13:17 - 03/03/25 13:47 [1]
Total/NA	Analysis	335.4		1	808596	AC	EET CHI	03/04/25 15:33
Total/NA	Prep	Distill/Ammonia			809792	EB	EET CHI	03/13/25 11:42 - 03/13/25 12:42 [1]
Total/NA	Analysis	350.1		1	809874	EB	EET CHI	03/13/25 18:03
Total/NA	Prep	365.2/365.3/365			808573	MF	EET CHI	03/05/25 07:50 - 03/05/25 11:50 [1]
Total/NA	Analysis	365.1		1	808929	KF	EET CHI	03/06/25 13:47
Total/NA	Analysis	SM 2320B		1	808615	AC	EET CHI	03/04/25 16:58
Total/NA	Analysis	SM 2520B		1	810053	AC	EET CHI	03/17/25 07:43
Total/NA	Analysis	SM 2540C		1	808589	SO	EET CHI	03/04/25 16:05
Total/NA	Analysis	SM 2540D		1	808422	SO	EET CHI	03/03/25 15:54 - 03/03/25 15:56 [1]
Total/NA	Analysis	SM 4500 S2 F		1	808576	TR	EET CHI	03/04/25 13:19 - 03/04/25 13:22 [1]
Dissolved	Analysis	SM 5310C		1	809480	TR	EET CHI	03/11/25 12:29
Total/NA	Analysis	SM 5310C		1	809478	TR	EET CHI	03/10/25 21:59

Client Sample ID: MW-43_20250226_FBLL

Lab Sample ID: 500-264590-6

Date Collected: 02/26/25 16:45

Matrix: Water

Date Received: 02/28/25 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	1631E		1	5423	D1C	EET SSM	03/06/25 19:54

Lab Chronicle

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264590-1

Client Sample ID: MW-44_20250226

Lab Sample ID: 500-264590-7

Date Collected: 02/26/25 18:00

Matrix: Water

Date Received: 02/28/25 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	1630			5644	AJD	EET SSM	03/19/25 12:53
Dissolved	Analysis	1630		1	5728	COW	EET SSM	03/20/25 20:41
Total/NA	Prep	1630			5644	AJD	EET SSM	03/19/25 12:53
Total/NA	Analysis	1630		1	5728	COW	EET SSM	03/20/25 20:31
Dissolved	Analysis	1631E		1	5423	D1C	EET SSM	03/06/25 20:02
Total/NA	Analysis	1631E		1	5423	D1C	EET SSM	03/06/25 19:58
Dissolved	Prep	1638			5412	V1R	EET SSM	03/06/25 16:10
Dissolved	Analysis	1638		1	5461	V1R	EET SSM	03/07/25 15:29
Total Recoverable	Prep	1638			5414	V1R	EET SSM	03/06/25 16:10
Total Recoverable	Analysis	1638		1	5461	V1R	EET SSM	03/07/25 17:35
Dissolved	Prep	3005A			809017	BDE	EET CHI	03/07/25 08:15 - 03/07/25 14:15 ¹
Dissolved	Analysis	6020B		1	810217	RN	EET CHI	03/17/25 16:49
Total Recoverable	Prep	3005A			809017	BDE	EET CHI	03/07/25 08:15 - 03/07/25 14:15 ¹
Total Recoverable	Analysis	6020B		1	810217	RN	EET CHI	03/17/25 16:13
Total Recoverable	Prep	3005A			809017	BDE	EET CHI	03/07/25 08:15 - 03/07/25 14:15 ¹
Total Recoverable	Analysis	SM 2340B		1	810243	DAJ	EET CHI	03/18/25 09:04
Total/NA	Analysis	300.0		1	808060	MM	EET CHI	02/28/25 12:35
Total/NA	Analysis	300.0		1	808061	MM	EET CHI	02/28/25 12:35
Total/NA	Prep	Distill/CN			808387	AC	EET CHI	03/03/25 13:17 - 03/03/25 13:47 ¹
Total/NA	Analysis	335.4		1	808596	AC	EET CHI	03/04/25 15:33
Total/NA	Prep	Distill/Ammonia			809792	EB	EET CHI	03/13/25 11:42 - 03/13/25 12:42 ¹
Total/NA	Analysis	350.1		1	809874	EB	EET CHI	03/13/25 18:04
Total/NA	Prep	365.2/365.3/365			808573	MF	EET CHI	03/05/25 07:50 - 03/05/25 11:50 ¹
Total/NA	Analysis	365.1		1	808929	KF	EET CHI	03/06/25 13:47
Total/NA	Analysis	SM 2320B		1	808615	AC	EET CHI	03/04/25 17:08
Total/NA	Analysis	SM 2520B		1	810053	AC	EET CHI	03/17/25 07:43
Total/NA	Analysis	SM 2540C		1	808589	SO	EET CHI	03/04/25 16:07
Total/NA	Analysis	SM 2540D		1	808532	SO	EET CHI	03/04/25 10:58 - 03/04/25 11:01 ¹
Total/NA	Analysis	SM 4500 S2 F		1	808576	TR	EET CHI	03/04/25 13:22 - 03/04/25 13:26 ¹
Dissolved	Analysis	SM 5310C		1	809480	TR	EET CHI	03/11/25 12:29
Total/NA	Analysis	SM 5310C		1	809478	TR	EET CHI	03/10/25 22:31

Client Sample ID: MW-44_20250226_FBLL

Lab Sample ID: 500-264590-8

Date Collected: 02/26/25 18:00

Matrix: Water

Date Received: 02/28/25 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	1631E		1	5423	D1C	EET SSM	03/06/25 20:06

Lab Chronicle

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264590-1

Client Sample ID: MW-43SB_20250227

Lab Sample ID: 500-264590-9

Date Collected: 02/27/25 12:00

Matrix: Water

Date Received: 02/28/25 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	1630			5644	AJD	EET SSM	03/19/25 12:53
Dissolved	Analysis	1630		1	5728	COW	EET SSM	03/20/25 21:02
Total/NA	Prep	1630			5644	AJD	EET SSM	03/19/25 12:53
Total/NA	Analysis	1630		1	5728	COW	EET SSM	03/20/25 20:51
Dissolved	Analysis	1631E		1	5423	D1C	EET SSM	03/06/25 20:23
Total/NA	Analysis	1631E		1	5423	D1C	EET SSM	03/06/25 20:19
Dissolved	Prep	1638			5412	V1R	EET SSM	03/06/25 16:10
Dissolved	Analysis	1638		1	5461	V1R	EET SSM	03/07/25 15:32
Total Recoverable	Prep	1638			5414	V1R	EET SSM	03/06/25 16:10
Total Recoverable	Analysis	1638		1	5461	V1R	EET SSM	03/07/25 17:38
Dissolved	Prep	3005A			809017	BDE	EET CHI	03/07/25 08:15 - 03/07/25 14:15 [1]
Dissolved	Analysis	6020B		1	810217	RN	EET CHI	03/17/25 16:52
Total Recoverable	Prep	3005A			809017	BDE	EET CHI	03/07/25 08:15 - 03/07/25 14:15 [1]
Total Recoverable	Analysis	6020B		1	810217	RN	EET CHI	03/17/25 16:15
Total Recoverable	Prep	3005A			809017	BDE	EET CHI	03/07/25 08:15 - 03/07/25 14:15 [1]
Total Recoverable	Analysis	SM 2340B		1	810243	DAJ	EET CHI	03/18/25 09:04
Total/NA	Analysis	300.0		100	809649	MM	EET CHI	03/12/25 16:36
Total/NA	Analysis	300.0		1	808060	MM	EET CHI	02/28/25 12:51
Total/NA	Analysis	300.0		1	808061	MM	EET CHI	02/28/25 12:51
Total/NA	Prep	Distill/CN			808710	AC	EET CHI	03/05/25 12:10 - 03/05/25 12:40 [1]
Total/NA	Analysis	335.4		1	808772	AC	EET CHI	03/05/25 15:55
Total/NA	Prep	Distill/Ammonia			809792	EB	EET CHI	03/13/25 11:42 - 03/13/25 12:42 [1]
Total/NA	Analysis	350.1		1	809874	EB	EET CHI	03/13/25 18:05
Total/NA	Prep	365.2/365.3/365			808573	MF	EET CHI	03/05/25 07:50 - 03/05/25 11:50 [1]
Total/NA	Analysis	365.1		1	808929	KF	EET CHI	03/06/25 13:47
Total/NA	Analysis	SM 2320B		1	808615	AC	EET CHI	03/04/25 16:50
Total/NA	Analysis	SM 2520B		1	810053	AC	EET CHI	03/17/25 07:43
Total/NA	Analysis	SM 2540C		1	808973	SO	EET CHI	03/06/25 16:34
Total/NA	Analysis	SM 2540D		1	808532	SO	EET CHI	03/04/25 11:01 - 03/04/25 11:04 [1]
Total/NA	Analysis	SM 4500 S2 F		1	808576	TR	EET CHI	03/04/25 13:26 - 03/04/25 13:29 [1]
Dissolved	Analysis	SM 5310C		1	809480	TR	EET CHI	03/11/25 12:29
Total/NA	Analysis	SM 5310C		1	809478	TR	EET CHI	03/10/25 23:03

Client Sample ID: MW-43SB_20250227_FBLL

Lab Sample ID: 500-264590-10

Date Collected: 02/27/25 12:00

Matrix: Water

Date Received: 02/28/25 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	1631E		1	5423	D1C	EET SSM	03/06/25 20:27

Lab Chronicle

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264590-1

Client Sample ID: MW-3B_20250226

Lab Sample ID: 500-264590-11

Date Collected: 02/26/25 15:20

Matrix: Water

Date Received: 02/28/25 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	1630			5644	AJD	EET SSM	03/19/25 12:53
Dissolved	Analysis	1630		1	5728	COW	EET SSM	03/20/25 21:22
Total/NA	Prep	1630			5644	AJD	EET SSM	03/19/25 12:53
Total/NA	Analysis	1630		1	5728	COW	EET SSM	03/20/25 21:12
Dissolved	Analysis	1631E		1	5423	D1C	EET SSM	03/06/25 20:35
Total/NA	Analysis	1631E		1	5423	D1C	EET SSM	03/06/25 20:31
Dissolved	Prep	1638			5412	V1R	EET SSM	03/06/25 16:10
Dissolved	Analysis	1638		1	5461	V1R	EET SSM	03/07/25 15:36
Total Recoverable	Prep	1638			5414	V1R	EET SSM	03/06/25 16:10
Total Recoverable	Analysis	1638		1	5461	V1R	EET SSM	03/07/25 17:42
Dissolved	Prep	3005A			809017	BDE	EET CHI	03/07/25 08:15 - 03/07/25 14:15 [1]
Dissolved	Analysis	6020B		1	810217	RN	EET CHI	03/17/25 16:54
Total Recoverable	Prep	3005A			809017	BDE	EET CHI	03/07/25 08:15 - 03/07/25 14:15 [1]
Total Recoverable	Analysis	6020B		1	810217	RN	EET CHI	03/17/25 16:18
Total Recoverable	Prep	3005A			809017	BDE	EET CHI	03/07/25 08:15 - 03/07/25 14:15 [1]
Total Recoverable	Analysis	SM 2340B		1	810243	DAJ	EET CHI	03/18/25 09:04
Total/NA	Analysis	300.0		1	809164	MM	EET CHI	03/08/25 21:13
Total/NA	Analysis	300.0		1	809165	MM	EET CHI	03/08/25 21:13
Total/NA	Prep	Distill/CN			808387	AC	EET CHI	03/03/25 13:17 - 03/03/25 13:47 [1]
Total/NA	Analysis	335.4		1	808596	AC	EET CHI	03/04/25 15:35
Total/NA	Prep	Distill/Ammonia			809825	EB	EET CHI	03/13/25 14:06 - 03/13/25 15:06 [1]
Total/NA	Analysis	350.1		1	809926	KF	EET CHI	03/14/25 09:23
Total/NA	Prep	365.2/365.3/365			808573	MF	EET CHI	03/05/25 07:50 - 03/05/25 11:50 [1]
Total/NA	Analysis	365.1		1	808929	KF	EET CHI	03/06/25 13:48
Total/NA	Analysis	SM 2320B		1	808615	AC	EET CHI	03/04/25 16:02
Total/NA	Analysis	SM 2520B		1	810053	AC	EET CHI	03/17/25 07:43
Total/NA	Analysis	SM 2540C		1	808589	SO	EET CHI	03/04/25 16:09
Total/NA	Analysis	SM 2540D		1	808532	SO	EET CHI	03/04/25 11:04 - 03/04/25 11:06 [1]
Total/NA	Analysis	SM 4500 S2 F		1	808576	TR	EET CHI	03/04/25 13:29 - 03/04/25 13:32 [1]
Dissolved	Analysis	SM 5310C		1	810020	TR	EET CHI	03/13/25 05:00
Total/NA	Analysis	SM 5310C		1	809866	TR	EET CHI	03/12/25 19:51

Client Sample ID: MW-3B_20250226_FBLL

Lab Sample ID: 500-264590-12

Date Collected: 02/26/25 15:20

Matrix: Water

Date Received: 02/28/25 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	1631E		1	5423	D1C	EET SSM	03/06/25 20:40

Lab Chronicle

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264590-1

Client Sample ID: MW-3A_20250226

Lab Sample ID: 500-264590-13

Date Collected: 02/26/25 17:00

Matrix: Water

Date Received: 02/28/25 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	1630			5644	AJD	EET SSM	03/19/25 12:53
Dissolved	Analysis	1630		1	5728	COW	EET SSM	03/20/25 21:42
Total/NA	Prep	1630			5644	AJD	EET SSM	03/19/25 12:53
Total/NA	Analysis	1630		1	5728	COW	EET SSM	03/20/25 21:32
Dissolved	Analysis	1631E		1	5444	D1C	EET SSM	03/07/25 15:02
Total/NA	Analysis	1631E		1	5444	D1C	EET SSM	03/07/25 14:58
Dissolved	Prep	1638			5412	V1R	EET SSM	03/06/25 16:10
Dissolved	Analysis	1638		1	5461	V1R	EET SSM	03/07/25 15:39
Total Recoverable	Prep	1638			5414	V1R	EET SSM	03/06/25 16:10
Total Recoverable	Analysis	1638		1	5461	V1R	EET SSM	03/07/25 17:45
Dissolved	Prep	3005A			809017	BDE	EET CHI	03/07/25 08:15 - 03/07/25 14:15 ¹
Dissolved	Analysis	6020B		1	810217	RN	EET CHI	03/17/25 16:57
Total Recoverable	Prep	3005A			809017	BDE	EET CHI	03/07/25 08:15 - 03/07/25 14:15 ¹
Total Recoverable	Analysis	6020B		1	810217	RN	EET CHI	03/17/25 16:20
Total Recoverable	Prep	3005A			809017	BDE	EET CHI	03/07/25 08:15 - 03/07/25 14:15 ¹
Total Recoverable	Analysis	SM 2340B		1	810243	DAJ	EET CHI	03/18/25 09:04
Total/NA	Analysis	300.0		20	809649	MM	EET CHI	03/12/25 16:51
Total/NA	Analysis	300.0		1	808060	MM	EET CHI	02/28/25 14:14
Total/NA	Analysis	300.0		1	808061	MM	EET CHI	02/28/25 14:14
Total/NA	Prep	Distill/CN			808387	AC	EET CHI	03/03/25 13:17 - 03/03/25 13:47 ¹
Total/NA	Analysis	335.4		1	808596	AC	EET CHI	03/04/25 15:35
Total/NA	Prep	Distill/Ammonia			809825	EB	EET CHI	03/13/25 14:06 - 03/13/25 15:06 ¹
Total/NA	Analysis	350.1		1	809926	KF	EET CHI	03/14/25 09:23
Total/NA	Prep	365.2/365.3/365			808573	MF	EET CHI	03/05/25 07:50 - 03/05/25 11:50 ¹
Total/NA	Analysis	365.1		1	808929	KF	EET CHI	03/06/25 13:48
Total/NA	Analysis	SM 2320B		1	808615	AC	EET CHI	03/04/25 16:23
Total/NA	Analysis	SM 2520B		1	810053	AC	EET CHI	03/17/25 07:43
Total/NA	Analysis	SM 2540C		1	808589	SO	EET CHI	03/04/25 16:11
Total/NA	Analysis	SM 2540D		1	808532	SO	EET CHI	03/04/25 11:09 - 03/04/25 11:12 ¹
Total/NA	Analysis	SM 4500 S2 F		1	808576	TR	EET CHI	03/04/25 13:32 - 03/04/25 13:36 ¹
Dissolved	Analysis	SM 5310C		1	810020	TR	EET CHI	03/13/25 05:32
Total/NA	Analysis	SM 5310C		1	809866	TR	EET CHI	03/12/25 20:24

Client Sample ID: MW-3A_20250226_FBLL

Lab Sample ID: 500-264590-14

Date Collected: 02/26/25 17:00

Matrix: Water

Date Received: 02/28/25 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	1631E		1	5444	D1C	EET SSM	03/07/25 15:06

Lab Chronicle

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264590-1

Client Sample ID: ARC-02_20250227

Lab Sample ID: 500-264590-15

Date Collected: 02/27/25 10:00

Matrix: Water

Date Received: 02/28/25 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	1630			5362	AJD	EET SSM	03/05/25 12:50
Dissolved	Analysis	1630		1	5398	COW	EET SSM	03/05/25 21:30
Total/NA	Prep	1630			5362	AJD	EET SSM	03/05/25 12:50
Total/NA	Analysis	1630		1	5398	COW	EET SSM	03/05/25 21:19
Dissolved	Analysis	1631E		1	5444	D1C	EET SSM	03/07/25 15:23
Total/NA	Analysis	1631E		1	5444	D1C	EET SSM	03/07/25 15:19
Dissolved	Prep	1638			5412	V1R	EET SSM	03/06/25 16:10
Dissolved	Analysis	1638		1	5461	V1R	EET SSM	03/07/25 14:57
Total Recoverable	Prep	1638			5414	V1R	EET SSM	03/06/25 16:10
Total Recoverable	Analysis	1638		1	5461	V1R	EET SSM	03/07/25 17:48
Dissolved	Prep	3005A			809017	BDE	EET CHI	03/07/25 08:15 - 03/07/25 14:15 [1]
Dissolved	Analysis	6020B		1	810217	RN	EET CHI	03/17/25 16:59
Total Recoverable	Prep	3005A			809017	BDE	EET CHI	03/07/25 08:15 - 03/07/25 14:15 [1]
Total Recoverable	Analysis	6020B		1	810217	RN	EET CHI	03/17/25 16:23
Total Recoverable	Prep	3005A			809017	BDE	EET CHI	03/07/25 08:15 - 03/07/25 14:15 [1]
Total Recoverable	Analysis	SM 2340B		1	810243	DAJ	EET CHI	03/18/25 09:04
Total/NA	Analysis	300.0		1	808060	MM	EET CHI	02/28/25 14:29
Total/NA	Analysis	300.0		1	808061	MM	EET CHI	02/28/25 14:29
Total/NA	Prep	Distill/CN			808710	AC	EET CHI	03/05/25 12:10 - 03/05/25 12:40 [1]
Total/NA	Analysis	335.4		1	808772	AC	EET CHI	03/05/25 15:55
Total/NA	Prep	Distill/Ammonia			809825	EB	EET CHI	03/13/25 14:06 - 03/13/25 15:06 [1]
Total/NA	Analysis	350.1		1	809926	KF	EET CHI	03/14/25 09:24
Total/NA	Prep	365.2/365.3/365			808573	MF	EET CHI	03/05/25 07:50 - 03/05/25 11:50 [1]
Total/NA	Analysis	365.1		1	808929	KF	EET CHI	03/06/25 13:49
Total/NA	Analysis	SM 2320B		1	808615	AC	EET CHI	03/04/25 16:34
Total/NA	Analysis	SM 2520B		1	810053	AC	EET CHI	03/17/25 07:43
Total/NA	Analysis	SM 2540C		1	808973	SO	EET CHI	03/06/25 16:36
Total/NA	Analysis	SM 2540D		1	808532	SO	EET CHI	03/04/25 11:15 - 03/04/25 11:18 [1]
Total/NA	Analysis	SM 4500 S2 F		1	808576	TR	EET CHI	03/04/25 13:35 - 03/04/25 13:39 [1]
Dissolved	Analysis	SM 5310C		1	810020	TR	EET CHI	03/13/25 06:05
Total/NA	Analysis	SM 5310C		1	809866	TR	EET CHI	03/12/25 20:56

Client Sample ID: ARC-02_20250227_FBLL

Lab Sample ID: 500-264590-16

Date Collected: 02/27/25 10:00

Matrix: Water

Date Received: 02/28/25 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	1631E		1	5444	D1C	EET SSM	03/07/25 15:27

Lab Chronicle

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264590-1

Client Sample ID: CBR-01_20250227

Lab Sample ID: 500-264590-17

Date Collected: 02/27/25 12:15

Matrix: Water

Date Received: 02/28/25 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	1630			5362	AJD	EET SSM	03/05/25 12:50
Dissolved	Analysis	1630		1	5398	COW	EET SSM	03/05/25 21:50
Total/NA	Prep	1630			5362	AJD	EET SSM	03/05/25 12:50
Total/NA	Analysis	1630		1	5398	COW	EET SSM	03/05/25 21:40
Dissolved	Analysis	1631E		1	5444	D1C	EET SSM	03/07/25 15:35
Total/NA	Analysis	1631E		1	5444	D1C	EET SSM	03/07/25 15:31
Dissolved	Prep	1638			5412	V1R	EET SSM	03/06/25 16:10
Dissolved	Analysis	1638		1	5461	V1R	EET SSM	03/07/25 15:43
Total Recoverable	Prep	1638			5414	V1R	EET SSM	03/06/25 16:10
Total Recoverable	Analysis	1638		1	5461	V1R	EET SSM	03/07/25 17:52
Dissolved	Prep	3005A			809017	BDE	EET CHI	03/07/25 08:15 - 03/07/25 14:15 [1]
Dissolved	Analysis	6020B		1	810217	RN	EET CHI	03/17/25 17:02
Total Recoverable	Prep	3005A			809017	BDE	EET CHI	03/07/25 08:15 - 03/07/25 14:15 [1]
Total Recoverable	Analysis	6020B		1	810217	RN	EET CHI	03/17/25 16:25
Total Recoverable	Prep	3005A			809017	BDE	EET CHI	03/07/25 08:15 - 03/07/25 14:15 [1]
Total Recoverable	Analysis	SM 2340B		1	810243	DAJ	EET CHI	03/18/25 09:04
Total/NA	Analysis	300.0		1	808060	MM	EET CHI	02/28/25 14:44
Total/NA	Analysis	300.0		1	808061	MM	EET CHI	02/28/25 14:44
Total/NA	Prep	Distill/CN			808710	AC	EET CHI	03/05/25 12:10 - 03/05/25 12:40 [1]
Total/NA	Analysis	335.4		1	808772	AC	EET CHI	03/05/25 15:56
Total/NA	Prep	Distill/Ammonia			809825	EB	EET CHI	03/13/25 14:06 - 03/13/25 15:06 [1]
Total/NA	Analysis	350.1		1	809926	KF	EET CHI	03/14/25 09:25
Total/NA	Prep	365.2/365.3/365			808573	MF	EET CHI	03/05/25 07:50 - 03/05/25 11:50 [1]
Total/NA	Analysis	365.1		1	808929	KF	EET CHI	03/06/25 13:50
Total/NA	Analysis	SM 2320B		1	808615	AC	EET CHI	03/04/25 16:42
Total/NA	Analysis	SM 2520B		1	810870	LP	EET CHI	03/21/25 12:57
Total/NA	Analysis	SM 2540C		1	808973	SO	EET CHI	03/06/25 16:37
Total/NA	Analysis	SM 2540D		1	808532	SO	EET CHI	03/04/25 11:18 - 03/04/25 11:21 [1]
Total/NA	Analysis	SM 4500 S2 F		1	808576	TR	EET CHI	03/04/25 13:39 - 03/04/25 13:42 [1]
Dissolved	Analysis	SM 5310C		1	810020	TR	EET CHI	03/13/25 08:46
Total/NA	Analysis	SM 5310C		1	809866	TR	EET CHI	03/12/25 21:28

Client Sample ID: CBR-01_20250227_FBLL

Lab Sample ID: 500-264590-18

Date Collected: 02/27/25 12:15

Matrix: Water

Date Received: 02/28/25 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	1631E		1	5444	D1C	EET SSM	03/07/25 15:40

[1] This procedure uses a method stipulated length of time for the process. Both start and end times are displayed.

Laboratory References:

EET CHI = Eurofins Chicago, 18410 Crossing Drive, Suite E, Tinley Park, IL 60487, TEL (708)534-5200

EET SSM = Eurofins Seattle Specialty Metals, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

Accreditation/Certification Summary

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264590-1

Laboratory: Eurofins Chicago

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Georgia	State	N/A	05-31-25
Georgia (DW)	State	939	05-31-25
Hawaii	State	NA	05-31-25
Illinois	NELAP	100201	05-31-25
Indiana	State	C-IL-02	05-31-25
Iowa	State	082	05-01-26
Kansas	NELAP	E-10161	10-31-25
Kentucky (UST)	State	AI # 108083	05-31-25
Kentucky (WW)	State	KY90023	12-31-24 *
Louisiana (All)	NELAP	02046	06-30-25
Mississippi	State	NA	05-31-25
North Carolina (WW/SW)	State	291	12-31-25
North Dakota	State	R-194	04-29-24 *
Oklahoma	State	8908	08-31-25
South Carolina	State	77001003	05-31-25
USDA	US Federal Programs	P330-18-00018	03-30-26
Wisconsin	State	399172840	08-31-25
Wyoming	State	8TMS-Q	05-31-25

Laboratory: Eurofins Seattle Specialty Metals

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	20-004	02-19-27
ANAB	Dept. of Defense ELAP	L2236	01-19-27
ANAB	Dept. of Energy	L2236.01	01-19-27
ANAB	ISO/IEC 17025	L2236	01-19-27
California	State	2954	07-07-25
Florida	NELAP	E87575	06-30-25
Louisiana (All)	NELAP	03073	06-30-25
Maine	State	WA01273	05-02-26
New Jersey	NELAP	WA014	06-30-25
New York	NELAP	11662	04-01-25
Oregon	NELAP	4167-008	07-07-25
US Fish & Wildlife	US Federal Programs	A20571	06-30-25
USDA	US Federal Programs	525-23-4-22573	01-04-26
Washington	State	C788-23a	07-13-25
Wisconsin	State	399133460	07-31-25

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Eurofins Chicago
18410 Crossing Drive, Suite E
Tinley Park, IL 60487
Phone (708) 534-5200 Phone (262) 202-5955

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Ellen Coppernoll	Lab PM: Fredrick, Sandie	Carrier Tracking No(s): 437605685182	COC No: 500-133049-50241 34
Client Contact: Amanda Zeidler	Phone: 517-513-2249	E Mail: Sandra Fredrick@et eurofinsus com	State of Origin: Michigan	Page: Page 1 of 1
Company: White Pine Copper LLC	PWSID:			Job #: 500-264590
Address: 35362 Mall Circle Drive	Due Date Requested:			
City: White Pine	TAT Requested (days): 10 days			
State, Zip: MI, 49971	Compliance Project: Δ Yes Δ No			
Phone: 906-204-6500	PO #: Purchase Order not required			
Email: AZeidler@whitepinecu com	WO #:			
Project Name: White Pines, MI	Project #: 50023455			
Site: White Pine North Baseline Sampling	SSOW#:			

Analysis Requested

Preservation Codes:
S - H2SO4
N None
CB ZnAcetate/NaOH
B - NaOH
D - HNO3
A HCl
500-264590 COC
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	350.1 Ammonia, 365.1 Phos	2320B, 2540C, 2540D, 300.0_28D, 300_48HR, SM2520_B	SM4500_S2_F - Sulfide, Total	335.4 - Cyanide, Total	SM5310_DOC_C - Organic Carbon, Dissolved (DOC) - tripli	6020B, SM2340B Total Metals / Hardness	1638 - Uranium only (ICP/MS)	1631E - Mercury, Low Level (CVAFS)	1630_ME - Methyl Mercury	6020B - Dissolved Metals (ICP/MS) - 27 elements	1638 - Dissolved Uranium only (ICP/MS) (field filtered)	1631E - Dissolved Mercury, Low Level (CVAFS) (filtered)	1630_ME - Dissolved Methyl Mercury (field filtered)	5310C - TOC	Total Number of containers	Special Instructions/Note:
			Preservation Code:				S	N	CB	B	S	D	D	N	A	D	D	N	A	S		
1 DKC-02_20250226	2.26.25	09:00	G	Water	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	22	
2 DKC-02_20250226_FBLL	2.26.25	09:00	G	Water										X							2	
				Water																		
				Water																		
				Water																		
				Water																		
				Water																		
				Water																		
				Water																		
				Water																		
				Water																		

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested I, [II], III, IV, Other (specify)

Special Instructions/QC Requirements MDLs must meet Michigan requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment: FedEx Priority Overnight

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Ellen	2-26-25 12:00	MSG		2-26-25 12:00	MSG
Relinquished by	Date/Time	Company	Received by	Date/Time	Company
	2.27.25 08:00	MSG	FedEx 437605685182		
Relinquished by	Date/Time	Company	Received by	Date/Time	Company
			Stephanie Hernandez	2/28/25 0920	EEIA

Custody Seals Intact: Δ Yes Δ No | Custody Seal No

Cooler Temperature(s) °C and Other Remarks: 18+15, 4.2+4.1, 1.4+1.1, 0.5+0.2
5.6+5.5, 2.3+2.2, 4.1+4.0

Eurofins Chicago
18410 Crossing Drive, Suite E
Tinley Park, IL 60487
Phone (708) 534-5200 Phone (262) 202-5955

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Jacob Dean	Lab PM: Fredrick, Sandie	Carrier Tracking No(s): 437605685208 5193 437605685193	COC No: 500-133049-50241 6
Client Contact: Amanda Zeidler	Phone: 906 487-7454	E-Mail: Sandra Fredrick@et.eurofinsus com	State of Origin: Michigan	Page: Page 1 of 1
Company: White Pine Copper LLC	PWSID:	Analysis Requested		Job #: 500-264590
Address: 35362 Mall Circle Drive	Due Date Requested:			Preservation Codes: S H2SO4, N None, CB ZnAcetate/NaOH, B NaOH, D HNO3, A - HCL
City: White Pine	TAT Requested (days): 10 days			
State, Zip: MI, 49971	Compliance Project: Δ Yes Δ No			
Phone: 906-204-6500	PO #: Purchase Order not required			
Email: AZeidler@whitepinecu com	WO #:			Other:
Project Name: White Pines, MI	Project #: 50023455			
Site: White Pine North Baseline Sampling	SSOW#:			

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	350.1 Ammonia, 365.1 Phos	2320B, 2540C, 2540D, 300.0_28D, 300_48HR, SM2520_B	SM4500_S2_F - Sulfide, Total	335.4 - Cyanide, Total	SM5310_DOC_C - Organic Carbon, Dissolved (DOC) - tripli	6020B, SM2340B Total Metals / Hardness	1638 - Uranium only (ICP/MS)	1631E - Mercury, Low Level (CVAFS)	1630_ME - Methyl Mercury	6020B - Dissolved Metals (ICP/MS) - 27 elements	1638 - Dissolved Uranium only (ICP/MS) (field filtered)	1631E - Dissolved Mercury, Low Level (CVAFS) (filtered)	1630_ME - Dissolved Methyl Mercury (field filtered)	5310C - TOC	Total Number of containers	Special Instructions/Note:
			Preservation Code:				S	N	CB	B	S	D	D	N	A	D	D	N	A	S	
3 MW-SA-20250226	2 26 25	1030	G	Water	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	66
4 MW-SA-20250226-FDL	2 26 25	1030	G	Water		X								X							6
				Water																	
				Water																	
				Water																	
				Water																	
				Water																	
				Water																	
				Water																	
				Water																	
				Water																	
				Water																	

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested I, II, III, IV, Other (specify)

Special Instructions/QC Requirements MDLs must meet Michigan requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment: FedEx PRIORITY OVERNIGHT

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Jacob Dean	2-26-25 12:00	MSG		2-26-25 12:00	MSG
	2-27-25 08:00	MSG	FedEx 437605685208 437605685193		
			Stephanie Hernandez	2/28/25 0920	EETA

Custody Seals Intact: Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks:

Eurofins Chicago
18410 Crossing Drive, Suite E
Tinley Park, IL 60487
Phone (708) 534-5200 Phone (262) 202-5955

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Ellan Coppernoll	Lab PM: Fredrick, Sandie	Carrier Tracking No(s): 437605685219	COC No.: 500-133049-50241 33
Client Contact: Amanda Zeidler	Phone: 517-513-2249	E-Mail: Sandra Fredrick@et eurofinsus com	State of Origin: Michigan	Page: Page 1 of 1
Company: White Pine Copper LLC	PWSID:			Job #: 500-204590
Address: 35362 Mall Circle Drive	Due Date Requested:			
City: White Pine	TAT Requested (days): 10 days			
State, Zip: MI, 49971	Compliance Project: Δ Yes Δ No			
Phone: 906-204-6500	PO #: Purchase Order not required			
Email: AZeidler@whitepinecu com	WO #:			
Project Name: White Pines, MI	Project #: 50023455			
Site: White Pine North Baseline Sampling	SSOW#:			

Analysis Requested

Preservation Codes:
S - H2SO4
N - None
CB ZnAcetate/NaOH
B - NaOH
D HNO3
A HCL
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	350.1 Ammonia, 365.1 Phos	2320B, 2540C, 2540D, 300.0_28D, 300_48HR, SM2520_B	SM4500_S2_F - Sulfide, Total	335.4 - Cyanide, Total	SM5310_DOC_C - Organic Carbon, Dissolved (DOC) - tripli	6020B, SM2340B Total Metals / Hardness	1638 - Uranium only (ICP/MS)	1631E - Mercury, Low Level (CVAFS)	1630_ME - Methyl Mercury	6020B - Dissolved Metals (ICP/MS) - 27 elements	1638 - Dissolved Uranium only (ICP/MS) (field filtered)	1631E - Dissolved Mercury, Low Level (CVAFS) (filtered)	1630_ME - Dissolved Methyl Mercury (field filtered)	5310C - TOC	Total Number of containers	Special Instructions/Note:
			Preservation Code:				S	N	CB	B	S	D	D	N	A	D	D	N	A	S	
MW-43_20250226	2-26-25	16:45	G	Water	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	22	
MW-43_20250226_FBLL	2.26-25	16:45	G	Water										X							2	
MW-44_20250226	2.26-25	18:00	G	Water	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	22	
MW-44_20250226_FBLL	2.26-25	18:00	G	Water										X							2	
				Water																		
				Water																		
				Water																		
				Water																		
				Water																		
				Water																		
				Water																		

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, ☒ II, III, IV, Other (specify)

Special Instructions/QC Requirements: MDLs must meet Michigan requirements

Empty Kit Relinquished by:	Date	Time	Method of Shipment: FedEx Priority overnight

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
	2.26.25 18:30	MSG		2.26.25 18:30	MSG
	2.27.25 08:00	MSG	FedEx 437605685219		
			Stephanie Hemandez	2/28/25 0920	FEIA

Custody Seals Intact: Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks

Eurofins Chicago
18410 Crossing Drive, Suite E
Tinley Park, IL 60487
Phone (708) 534-5200 Phone (262) 202-5955

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Jacob Dean	Lab PM: Fredrick, Sandie	Carrier Tracking No(s): 4376 0568 5241	COC No: 500-133049-50241 7
Client Contact: Amanda Zeidler	Phone: 906-487 7454	E-Mail: Sandra Fredrick@et.eurofinsus com	State of Origin: Michigan	Page: Page 1 of 1
Company: White Pine Copper LLC	PWSID:			Job #: 500-264590

Address: 35362 Mall Circle Drive	Due Date Requested:	Analysis Requested
City: White Pine	TAT Requested (days): 10 days	
State, Zip: MI, 49971	Compliance Project: Δ Yes Δ No	
Phone: 906-204-6500	PO #: Purchase Order not required	
Email: AZeidler@whitepinecu com	WO #:	
Project Name: White Pines, MI	Project #: 50023455	
Site: White Pine North Baseline Sampling	SSOW#:	

Preservation Codes:
S - H2SO4
N - None
CB - ZnAcetate/NaOH
B NaOH
D HNO3
A HCL
Other:

	Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	350.1 Ammonia, 365.1 Phos	2320B, 2540C, 2540D, 300.0_28D, 300_48HR, SM2520_B	SM4500_S2_F - Sulfide, Total	335.4 - Cyanide, Total	SM5310_DOC_C - Organic Carbon, Dissolved (DOC) - tripli	6020B, SM2340B Total Metals / Hardness	1638 - Uranium only (ICP/MS)	1631E - Mercury, Low Level (CVAFS)	1630_ME - Methyl Mercury	6020B - Dissolved Metals (ICP/MS) - 27 elements	1638 - Dissolved Uranium only (ICP/MS) (field filtered)	1631E - Dissolved Mercury, Low Level (CVAFS) (filtered)	1630_ME - Dissolved Methyl Mercury (field filtered)	5310C - TOC	Total Number of containers	Special Instructions/Note:
				Preservation Code:				S	N	CB	B	S	D	D	N	A	D	D	N	A	S	
9	MW-43SB_20250227	2-27-25	1200	G	Water	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	22
10	MW-43SB_20250227_FBLL	2-27-25	1200	G	Water										X							2
					Water																	
					Water																	
					Water																	
					Water																	
					Water																	
					Water																	
					Water																	
					Water																	
					Water																	

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested I, II, III, IV, Other (specify)

Special Instructions/QC Requirements MDLs must meet Michigan requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment: Fedex Priority Overnight

	Relinquished by: Jacob Dean	Date/Time: 2/27/25 1500	Company: MSG	Received by: 4376 0568 5241	Date/Time: 2/27/25 1500	Company: Fedex
	Relinquished by:	Date/Time	Company	Received by: Stephanie Hernandez	Date/Time: 2/28/25 0920	Company: EEHA
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks.

Eurofins Chicago
18410 Crossing Drive, Suite E
Tinley Park, IL 60487
Phone (708) 534-5200 Phone (262) 202-5955

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Jacob Dean	Lab PM: Fredrick, Sandie	Carrier Tracking No(s): 437605685220	COC No.: 500-133049-50241 2
Client Contact: Amanda Zeidler	Phone: 906 487 7454	E-Mail: Sandra Fredrick@et eurofinsus com	State of Origin: Michigan	Page: Page 1 of 1
Company: White Pine Copper LLC	PWSID:			Job #: 500-704590
Address: 35362 Mall Circle Drive	Due Date Requested:			
City: White Pine	TAT Requested (days): 10 days			
State, Zip: MI, 49971	Compliance Project: Δ Yes Δ No			
Phone: 906-204-6500	PO #: Purchase Order not required			
Email: AZeidler@whitepinecu com	WO #:			
Project Name: White Pines, MI	Project #: 50023455			
Site: White Pine North Baseline Sampling	SSOW#:			

Analysis Requested

Preservation Codes:
S H2SO4
N None
CB - ZnAcetate/NaOH
B - NaOH
D HNO3
A HCL
Other:

	Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	350.1 Ammonia, 365.1 Phos	2320B, 2540C, 2540D, 300.0_28D, 300_48HR, SM2520_B	SM4500_S2_F - Sulfide, Total	335.4 - Cyanide, Total	SM5310_DOC_C - Organic Carbon, Dissolved (DOC) - tripli	6020B, SM2340B Total Metals / Hardness	1638 - Uranium only (ICP/MS)	1631E - Mercury, Low Level (CVAFS)	1630_ME - Methyl Mercury	6020B - Dissolved Metals (ICP/MS) - 27 elements	1638 - Dissolved Uranium only (ICP/MS) (field filtered)	1631E - Dissolved Mercury, Low Level (CVAFS) (filtered)	1630_ME - Dissolved Methyl Mercury (field filtered)	5310C - TOC	Total Number of containers	Special Instructions/Note:
	Preservation Code:							S	N	CB	B	S	D	D	N	A	D	D	N	A	S		
11	MW-3B_20250226_FBLL	2 26 25	1520	G	Water										X							2	
12	MW-3B_20250226	2 26 25	1520	G	Water	Y		X	X	X	X	X	X	X	X	X	X	X	X	X	X	22	
13	MW-3A_20250226_FBLL	2-26 25	1700	G	Water										X							2	
14	MW 3A_20250226	2-26 25	1700	G	Water	Y		X	X	X	X	X	X	X	X	X	X	X	X	X	X	22	
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested I, II, III, IV, Other (specify)

Special Instructions/QC Requirements MDLs must meet Michigan requirements

Empty Kit Relinquished by:	Date	Time	Method of Shipment: FEDEX PRIORITY OVERNIGHT

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time	Company
1	Jacob Dean	2.26.25 17:30	MSG		2.26.25 17:30	MSG
2		2.27.25 08:00	MSG	FEDEX 437605685220	Date/Time	Company
3	Relinquished by:	Date/Time	Company	Received by: Stephanie Hermanoff	2/28/25 0930	EET

Custody Seals Intact: Δ Yes Δ No | Custody Seal No:

Cooler Temperature(s) °C and Other Remarks.

Eurofins Chicago
18410 Crossing Drive, Suite E
Tinley Park, IL 60487
Phone (708) 534-5200 Phone (262) 202-5955

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Ellen Coppernoll	Lab PM: Fredrick, Sandie	Carrier Tracking No(s): 4376 0568 5230	COC No: 500-133049-50241 31
Client Contact: Amanda Zeidler	Phone: (517) 513-2249	E-Mail: Sandra Fredrick@et.eurofinsus com	State of Origin: Michigan	Page: Page 1 of 1
Company: White Pine Copper LLC	PWSID:			Job #: 500-210459(1)
Address: 35362 Mall Circle Drive	Due Date Requested:			
City: White Pine	TAT Requested (days): 10 days			
State, Zip: MI, 49971	Compliance Project: Δ Yes Δ No			
Phone: 906-204-6500	PO #: Purchase Order not required			
Email: AZeidler@whitepinecu com	WO #:			
Project Name: White Pines, MI	Project #: 50023455			
Site: White Pine North Baseline Sampling	SSOW#:			

Analysis Requested

Preservation Codes:
S H2SO4
N - None
CB - ZnAcetate/NaOH
B - NaOH
D - HNO3
A - HCL
Other

	Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	350.1 Ammonia, 365.1 Phos	2320B, 2540C, 2540D, 300.0_28D, 300_48HR, SM2520_B	SM4500_S2_F - Sulfide, Total	335.4 - Cyanide, Total	SM5310_DOC_C - Organic Carbon, Dissolved (DOC) - tripli	6020B, SM2340B Total Metals / Hardness	1638 - Uranium only (ICP/MS)	1631E - Mercury, Low Level (CVAFS)	1630_ME - Methyl Mercury	6020B - Dissolved Metals (ICP/MS) - 27 elements	1638 - Dissolved Uranium only (ICP/MS) (field filtered)	1631E - Dissolved Mercury, Low Level (CVAFS) (filtered)	1630_ME - Dissolved Methyl Mercury (field filtered)	5310C - TOC	Total Number of containers	Special Instructions/Note:
				Preservation Code:				S	N	CB	B	S	D	D	N	A	D	D	N	A	S		
15	ARC-02_20250227	2/27/25	1000		Water			X	X	X	X	X	X	X	X	X	X	X	X	X	X	12	
16	ARC-02_20250227_FBLL	2/27/25	1000		Water										X							2	
17	CBR-01_20250227	2/27/25	1215		Water			X	X	X	X	X	X	X	X	X	X	X	X	X	X	12	
18	CBR-01_20250227_FBLL	2/27/25	1215		Water										X							2	
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements: MDLs must meet Michigan requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment: Fedex Priority Shipment overnight

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1	Ellen	2/27/25 1500	MSG	4376 0568 5230	2/27/25 1560	Fedex
2	Relinquished by:	Date/Time	Company	Received by: Stephanie Hernandez	2/28/25 0920	ET/A
3	Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No | Cooler Temperature(s) °C and Other Remarks.

JED CHRESTENSEN
THE MANNIK & SMITH GROUP
616 SHELDEN AVE
SUITE 210
HOUGHTON, MI 49931
UNITED STATES US

ACTWGT: 25.00 LB MAN
CAD: 0780307/CAFE3855

TO **SAMPLE RECIEPT**
EUROFINS
18410 CROSSING DRIVE
SUITE E
TINLEY PARK IL 60487

(262) 202-5955 REF
INV:
PO: DEPT

RMA

FedEx Express

RETURNS MON-SAT
PRIORITY OVERNIGHT

TRK# 0221 **4376 0568 5220**

60487
IL-US

FedEx
TRK# 0221 **4376 0568 5220**

FRI - 28 FEB AA
PRIORITY OVERNIGHT

XP JOTA

60487
IL-US
ORD



500-264590 Waybi

JED CHRESTENSEN
THE MANNIK & SMITH GROUP
616 SHELDEN AVE
SUITE 210
HOUGHTON, MI 49931
UNITED STATES US

ACTWGT: 25.00 LB MAN
CAD: 0780307/CAFE3855

TO **SAMPLE RECIEPT**
EUROFINS
18410 CROSSING DRIVE
SUITE E
TINLEY PARK IL 60487

(262) 202-5955 REF
INV:
PO: DEPT

RMA

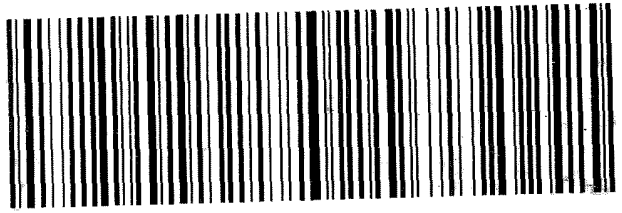
FedEx Express

FedEx
TRK# 0221 **4376 0568 5230**

FRI - 28 FEB AA
PRIORITY OVERNIGHT

XP JOTA

60487
IL-US
ORD



JED CHRESTENSEN
THE MANNIK & SMITH GROUP
616 SHELDEN AVE
SUITE 210
HOUGHTON, MI 49931
UNITED STATES US

CAD: 0780307/CAFE3855

TO SAMPLE RECIEPT
EUROFINS
18410 CROSSING DRIVE
SUITE E
TINLEY PARK IL 60487
(262) 202-5955

INV:
PO:
REF
DEPT:

RMA.

FedEx Express

FedEx
TRK# 0221 4376 0568 5219

FRI - 28 FEB AA
PRIORITY OVERNIGHT

XP JOTA

60487
IL-US
ORD

5025547 27Feb2025 CMXA 581G4/26DE/5FE5

JED CHRESTENSEN
THE MANNIK & SMITH GROUP
616 SHELDEN AVE
SUITE 210
HOUGHTON, MI 49931
UNITED STATES US

CAD: 0780307/CAFE3855

TO SAMPLE RECIEPT
EUROFINS
18410 CROSSING DRIVE
SUITE E
TINLEY PARK IL 60487
(262) 202-5955

INV:
PO:
REF
DEPT

RMA.

FedEx Express

FedEx
TRK# 0221 4376 0568 5241

FRI - 28 FEB AA
PRIORITY OVERNIGHT

XP JOTA

60487
IL-US
ORD

JED CHRESTENSEN
THE MANNIK & SMITH GROUP
616 SHELDEN AVE
SUITE 210
HOUGHTON, MI 49931
UNITED STATES US

ACTWGT: 25.00 LB MAN
CAD: 0780307/CAFE3855

TO **SAMPLE RECIEPT**
EUROFINS
18410 CROSSING DRIVE
SUITE E
TINLEY PARK IL 60487

(262) 202-6955 REF:
INV
PO DEPT

RMA

FedEx Express

J243024070401uv

FedEx
TRK# 0221 4376 0568 5193

FRI - 28 FEB AA
PRIORITY OVERNIGHT

XP JOTA

60487
IL-US
ORD

5025547 27Feb2025 CMXA 581G4/26DE/5FE5

JED CHRESTENSEN
THE MANNIK & SMITH GROUP
616 SHELDEN AVE
SUITE 210
HOUGHTON, MI 49931
UNITED STATES US

ACTWGT: 25.00 LB MAN
CAD: 0780307/CAFE3855

TO **SAMPLE RECIEPT**
EUROFINS
18410 CROSSING DRIVE
SUITE E
TINLEY PARK IL 60487

(262) 202-6955 REF
INV
PO DEPT

RMA

FedEx Express

J243024070401uv

FedEx
TRK# 0221 4376 0568 5182

FRI - 28 FEB AA
PRIORITY OVERNIGHT

XP JOTA

60487
IL-US
ORD

5025547 27Feb2025 CMXA 581G4/26DE/5FE5


JED CHRESTENSEN
THE MANNIK & SMITH GROUP
616 SHELDEN AVE
SUITE 210
HOUGHTON, MI 49931
UNITED STATES US

ACTWGT: 25.00 LB MAN
CAD: 0780307/CAFE3855

TO SAMPLE RECIEPT
EUROFINS
18410 CROSSING DRIVE
SUITE E
TINLEY PARK IL 60487
(262) 202-5955

INV
PO
REF
DEPT

FedEx Express

FedEx
TRK# 4376 0568 5208

FRI - 28 FEB AA
PRIORITY OVERNIGHT

XP JOTA

60487
IL-US
ORD

5025547 27Feb2025 CMXA 581G4/26DE/5FE5

Eurofins Chicago
18410 Crossing Drive Suite E
Tinley Park, IL 60487
Phone: 708-534-5200 Fax: 708-534-5211

Chain of Custody Record

eurofins | Environment Testing

3/21/2025

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Fredrick, Sandie	Carrier Tracking No(s): N/A	COC No: 500-198911.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Sandra.Fredrick@et.eurofinsus.com	State of Origin: Michigan	Page: Page 1 of 3
Company: Eurofins Environment Testing Northwest,		Accreditations Required (See note): N/A		Job #: 500-264590-1
Address: 5755 8th Street East, ,	Due Date Requested: 3/21/2025			
City: Tacoma	TAT Requested (days): N/A			
State, Zip: WA, 98424				
Phone: 253-922-2310(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: White Pines, MI	Project #: 50023455			
Site: N/A	SSOW#: N/A			

Therm. ID: SC0 11 Cust. Seal: (Y) / N
Uncorr./Corr. Temp: 2.5 /2.1 °C
Delivery: UPS / FedEx / Other: ____
Ice Type: Blue / Dry / Wet / None
Label Ver.: 2 Packing: B

Therm. ID: SC0 11 Cust. Seal: (Y) N
Uncorr./Corr. Temp: 5.9 /5.1 °C
Delivery: UPS / FedEx / Other: ____
Ice Type: Blue / Dry / Wet / None
Label Ver.: 1 Packing: B

Therm. ID: SC0 11 Cust. Seal: (Y) / N
Uncorr./Corr. Temp: 1.9 /1.6 °C
Delivery: UPS / FedEx / Other: ____
Ice Type: Blue / Dry / Wet / None
Label Ver.: 1 Packing: B

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	1638/1638_Prep_W Uranium only (ICP/MS)	1631E/ Mercury, Low Level (CVAFS)	1630_ME/1630_Dist_PFP Methyl Mercury	1638/FIELD_FLTRD Dissolved Uranium only (ICP/MS) (field f	1631E/FIELD_FLTRD Dissolved Mercury, Low Level (CVAFS) (fi	1630_ME/FIELD_FLTRD Dissolved Methyl Mercury (field filtered	Total Nu	Special Instru
Preservation Code:														
DKC-02_20250226 (500-264590-1)	2/26/25	09:00 Eastern	G	Water			X	X	X	X	X	X	8	
DKC-02_20250226_FBLL (500-264590-2)	2/26/25	09:00 Eastern	G	Water				X					2	
MW-5A_20250226 (500-264590-3)	2/26/25	10:30 Eastern	G	Water			X	X	X	X	X	X	8	
MW-5A_20250226 (500-264590-3MS)	2/26/25	10:30 Eastern	G	Water			X	X	X	X	X	X	8	
MW-5A_20250226 (500-264590-3MSD)	2/26/25	10:30 Eastern	G	Water			X	X	X	X	X	X	8	
MW-5A_20250226_FBLL (500-264590-4)	2/26/25	10:30 Eastern	G	Water				X					2	
MW-5A_20250226_FBLL (500-264590-4MS)	2/26/25	10:30 Eastern	G	Water				X					2	
MW-5A_20250226_FBLL (500-264590-4MSD)	2/26/25	10:30 Eastern	G	Water				X					2	
MW-43_20250226 (500-264590-5)	2/26/25	16:45 Eastern	G	Water			X	X	X	X	X	X	8	

Note: Since laboratory accreditations are subject to change, Eurofins Chicago places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Chicago laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Chicago attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Chicago.

Possible Hazard Identification: Unconfirmed 4468 9403 9720	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month): ☐ Return To Client ☐ Disposal By Lab ☐ Archive For ____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Stephanie Hernandez	2/28/25 1600	EETA		3/1/25 10:10	EETN
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 10/10/2024

Eurofins Chicago
18410 Crossing Drive Suite E
Tinley Park, IL 60487
Phone: 708-534-5200 Fax: 708-534-5211

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Fredrick, Sandie	Carrier Tracking No(s): N/A	COC No: 500-198911.2
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Sandra.Fredrick@et.eurofinsus.com	State of Origin: Michigan	Page: Page 2 of 3
Company: Eurofins Environment Testing Northwest,		Accreditations Required (See note): N/A		Job #: 500-264590-1
Address: 5755 8th Street East, ,	Due Date Requested: 3/21/2025			Preservation Codes: -
City: Tacoma	TAT Requested (days): N/A			
State, Zip: WA, 98424				
Phone: 253-922-2310(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: White Pines, MI	Project #: 50023455			
Site: N/A	SSOW#: N/A			Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	1638/1638_Prep_W Uranium only (ICP/MS)	1631E/ Mercury, Low Level (CVAFS)	1630_ME/1630_Dist_PFP Methyl Mercury	1638/FIELD_FLTRD Dissolved Uranium only (ICP/MS) (field f	1631E/FIELD_FLTRD Dissolved Mercury, Low Level (CVAFS) (fi	1630_ME/FIELD_FLTRD Dissolved Methyl Mercury (field filtered	Total Number of containers	Special Instructions/Note:
			Preservation Code:											
MW-43_20250226_FBLL (500-264590-6)	2/26/25	16:45 Eastern	G	Water				X					2	
MW-44_20250226 (500-264590-7)	2/26/25	18:00 Eastern	G	Water			X	X	X	X	X	X	8	
MW-44_20250226_FBLL (500-264590-8)	2/26/25	18:00 Eastern	G	Water				X					2	
MW-43SB_20250227 (500-264590-9)	2/27/25	12:00 Eastern	G	Water			X	X	X	X	X	X	8	
MW-43SB_20250227_FBLL (500-264590-10)	2/27/25	12:00 Eastern	G	Water				X					2	
MW-3B_20250226 (500-264590-11)	2/26/25	15:20 Eastern	G	Water			X	X	X	X	X	X	8	
MW-3B_20250226_FBLL (500-264590-12)	2/26/25	15:20 Eastern	G	Water				X					2	
MW-3A_20250226 (500-264590-13)	2/26/25	17:00 Eastern	G	Water			X	X	X	X	X	X	8	
MW-3A_20250226_FBLL (500-264590-14)	2/26/25	17:00 Eastern	G	Water				X					2	

Note: Since laboratory accreditations are subject to change, Eurofins Chicago places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Chicago laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Chicago attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Chicago.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Stephanie Hernandez	2/28/25 1600	EETA		3/1/25 10:10	EETW
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 10/10/2024

3/21/2025

Eurofins Chicago
18410 Crossing Drive Suite E
Tinley Park, IL 60487
Phone: 708-534-5200 Fax: 708-534-5211

Chain of Custody Record

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3/21/2025

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Fredrick, Sandie	Carrier Tracking No(s): N/A	COC No: 500-198911.3
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Sandra.Fredrick@et.eurofinsus.com	State of Origin: Michigan	Page: Page 3 of 3
Company: Eurofins Environment Testing Northwest,		Accreditations Required (See note): N/A		Job #: 500-264590-1
Address: 5755 8th Street East, ,	Due Date Requested: 3/21/2025			Preservation Codes: -
City: Tacoma	TAT Requested (days): N/A			
State, Zip: WA, 98424				
Phone: 253-922-2310(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: White Pines, MI	Project #: 50023455			
Site: N/A	SSOW#: N/A			Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	1638/1638_Prep_W Uranium only (ICP/MS)	1631E/ Mercury, Low Level (CVAFS)	1630_ME/1630_Dist_PFP Methyl Mercury	1638/FIELD_FLTRD Dissolved Uranium only (ICP/MS) (field f	1631E/FIELD_FLTRD Dissolved Mercury, Low Level (CVAFS) (fi	1630_ME/FIELD_FLTRD Dissolved Methyl Mercury (field filtered	Total Number of containers	Special Instructions/Note:
			Preservation Code:											
ARC-02_20250227 (500-264590-15)	2/27/25	10:00 Eastern	G	Water			X	X	X	X	X	X	8	
ARC-02_20250227_FBLL (500-264590-16)	2/27/25	10:00 Eastern	G	Water				X					2	
CBR-01_20250227 (500-264590-17)	2/27/25	12:15 Eastern	G	Water			X	X	X	X	X	X	8	
CBR-01_20250227_FBLL (500-264590-18)	2/27/25	12:15 Eastern	G	Water				X					2	

Note: Since laboratory accreditations are subject to change, Eurofins Chicago places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Chicago laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Chicago attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Chicago.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Stephanie Hemandez	2/28/25 1600	EETA		3/1/25 10:00	EEIN
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 10/10/2024

Login Sample Receipt Checklist

Client: White Pine Copper LLC

Job Number: 500-264590-1

Login Number: 264590
List Number: 1
Creator: Hernandez, Stephanie

List Source: Eurofins Chicago

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.5,4.1,1.1,0.2,5.5,2.2,4.0
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	False	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: White Pine Copper LLC

Job Number: 500-264590-1

Login Number: 264590
List Number: 2
Creator: Miller, Darren R

List Source: Eurofins Seattle Specialty Metals
List Creation: 03/03/25 01:20 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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Date:	3/3/2025
End Time:	~~3/3/25~~ 13:18 3/3/25
pH Paper Lot:	hc441704
Analyst:	

Preservative ID	Preservative Type	Container ID
A	Nitric Acid	na
ZZZZZZZZZZZZZZZ	ZZZZZZZZZZZZZZZZZZZZZZZ	ZZZZZZZZZZ
ZZZZZZZZZZZZZZZ	ZZZZZZZZZZZZZZZZZZZZZZZ	ZZZZZZZZZZ
ZZZZZZZZZZZZZZZ	ZZZZZZZZZZZZZZZZZZZZZZZ	ZZZZZZZZZZ

Sample ID	Initial pH	Final pH	Preservative ID	Preservative Added (mL)	Comments
500-264590-M-17	<2				
500-264590-N-15	<2				
500-264590-M-9	<2				
500-264590-M-7	<2				
500-264590-N-3 MS	<2				
500-264590-N-13	<2				
500-264590-N-3 MS	<2				
500-264590-M-3 MS	<2				
500-264590-M-3 MS	<2				
500-264590-N-17	<2				
500-264590-N-11	<2				
500-264590-M-13	<2				
500-264590-M-1	<2				
500-264590-M-3 MSD	<2				
500-264590-N-3 MSD	<2				
500-264590-N-1	<2				
500-264590-N-5	<2				
500-264590-M-15	<2				
500-264590-N-9	<2				
500-264590-M-11	<2				
500-264590-N-7	<2				
500-264590-M-5	<2				

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Date:	3/3/2025
End Time:	17:18
pH Paper Lot:	hc441704
Analyst:	JS

Preservative ID	Preservative Type	Container ID
A	Hydrochloric Acid	na
zzzzzzzzzzzzzzzz	zzzzzzzzzzzzzzzzzzzzzzz	zzzzzzzzzz
zzzzzzzzzzzzzzzz	zzzzzzzzzzzzzzzzzzzzzzz	zzzzzzzzzz
zzzzzzzzzzzzzzzz	zzzzzzzzzzzzzzzzzzzzzzz	zzzzzzzzzz

Sample ID	Initial pH	Final pH	Preservative ID	Preservative Added (mL)	Comments
500-264590-F-7	<2				
500-264590-F-9	<2				
500-264590-E-9	<2				
500-264590-E-15	<2				
500-264590-E-3 MS	<2				
500-264590-E-15	<2				
500-264590-E-13	<2				
500-264590-F-13	<2				
500-264590-E-3 MSD	<2				
500-264590-E-3	<2				
500-264590-F-3 MS	<2				
500-264590-F-5	<2				
500-264590-F-3 MSD	<2				
500-264590-F-11	<2				
500-264590-F-15	<2				
500-264590-E-5	<2				
500-264590-F-3	<2				
500-264590-E-7	<2				
500-264590-E-11	<2				
500-264590-F-17	<2				
500-264590-E-17	<2				
500-264590-F-1	<2			JS 3/3/25	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Amanda Zeidler
White Pine Copper LLC
35362 Mall Circle Drive
White Pine, Michigan 49971

Generated 3/25/2025 6:05:11 PM

JOB DESCRIPTION

White Pines, MI

JOB NUMBER

500-264768-1

Eurofins Chicago
18410 Crossing Drive
Suite E
Tinley Park IL 60487

See page two for job notes and contact information.

my EOL

Eurofins Chicago

Job Notes

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. This report is confidential and is intended for the sole use of Eurofins Environment Testing North Central, LLC and its client. All questions regarding this report should be directed to the Eurofins Environment Testing North Central, LLC Project Manager who has signed this report.

Results relate only to the items tested and the sample(s) as received by the laboratory. The results, detection limits (LOD) and Quantitation Limits (LOQ) have been adjusted for sample dilutions and/or solids content.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Chicago Project Manager.

Compliance Statement

The LOD and LOQ reported are adjusted by the dilution factor when a dilution factor greater than 1 is needed. Additionally, where results are indicated as being reported on a dry weight basis, the LOD and LOQ are adjusted for moisture content as well.

Definitions of Limits
- LOD = Limit of Detection = MDL as defined by 40 CFR part 136 Appendix B
- LOQ = Limit of Quantitation = 3.33 x LOD as defined by Wisconsin
- RL = Report Limit = a concentration supported by a standard in the calibration curves

Authorization



Generated
3/25/2025 6:05:11 PM

Authorized for release by
Sandie Fredrick, Senior Project Manager
Sandra.Fredrick@et.eurofinsus.com
(920)261-1660

Table of Contents

Cover Page 1
Table of Contents 3
Case Narrative 4
Detection Summary 5
Method Summary 16
Sample Summary 17
Client Sample Results 18
Definitions 53
QC Association 54
QC Sample Results 65
Chronicle 85
Certification Summary 95
Chain of Custody 96
Receipt Checklists 107
Field Data Sheets 109

Job Narrative
500-264768-1

Receipt
The samples were received on 3/5/2025 10:40 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 6 coolers at receipt time were 1.6º C, 5.0º C, 5.3º C, 5.3º C, 5.3º C and 5.7º C.

Receipt Exceptions
Sample #3- one plastic 1 liter red/purple in color while all others are clear. Wrote do not use on the red/purple container.

The following sample(s) was received outside of holding time: for IC N2,N3.

Metals
Method 6020B: The following sample was diluted to bring the concentration of target analytes within the calibration range: SMW-1SB_20250303 (500-264768-5). Elevated reporting limits (RLs) are provided.

Method 1631E: The matrix spike (MS) recoveries for analytical batch 350-5476 were outside control limits. Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Field Service / Mobile Lab
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

General Chemistry
Method 300.0: The continuing calibration verification (CCV) associated with batch 500-808700 recovered above the upper control limit for Chloride and Sulfate. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: (CCV 500-808700/25).

Method 300.0: The following samples were received outside of holding time: LKS-02_20250303 (500-264768-11), NB1-1_20250303 (500-264768-15) and NB1-3_20250303 (500-264768-17).

Method 300.0: The following sample(s) was analyzed outside of analytical holding time due to system outages. DKC-03_20250303 (500-264768-1[MSD]), SMW-1_20250303 (500-264768-3), NB2-3_20250303 (500-264768-7) and MLC-01_20250303 (500-264768-13)

Method SM 4500 S2 F: The method blank for analytical batch 500-808939 contained Sulfide above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

Method SM 4500 S2 F: Elevated reporting limits are provided for the following samples due to using a lower initial sample volume: DKC-03_20250303 (500-264768-1), DKC-03_20250303 (500-264768-1[MS]), DKC-03_20250303 (500-264768-1[MSD]), SMW-1_20250303 (500-264768-3), LKS-02_20250303 (500-264768-11), MLC-01_20250303 (500-264768-13) and NB1-3_20250303 (500-264768-17).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264768-1

Client Sample ID: DKC-03_20250303

Lab Sample ID: 500-264768-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl Mercury	0.030	J B	0.050	0.022	ng/L	1		1630	Total/NA
Methyl Mercury	0.032	J B	0.050	0.022	ng/L	1		1630	Dissolved
Mercury	6.6		0.50	0.20	ng/L	1		1631E	Total/NA
Mercury	4.5		0.50	0.20	ng/L	1		1631E	Dissolved
Uranium	0.20		0.050	0.0098	ug/L	1		1638	Total Recoverable
Uranium	0.16		0.050	0.0098	ug/L	1		1638	Dissolved
Aluminum	1100	F1	100	25	ug/L	1		6020B	Total Recoverable
Arsenic	0.38	J	1.0	0.23	ug/L	1		6020B	Total Recoverable
Barium	27		2.5	0.73	ug/L	1		6020B	Total Recoverable
Boron	21	J	50	13	ug/L	1		6020B	Total Recoverable
Calcium	8300		200	44	ug/L	1		6020B	Total Recoverable
Chromium	1.3	J	5.0	1.1	ug/L	1		6020B	Total Recoverable
Copper	11		2.0	0.50	ug/L	1		6020B	Total Recoverable
Iron	1600		100	47	ug/L	1		6020B	Total Recoverable
Lead	0.46	J	0.50	0.19	ug/L	1		6020B	Total Recoverable
Magnesium	2300		200	49	ug/L	1		6020B	Total Recoverable
Manganese	22		2.5	0.79	ug/L	1		6020B	Total Recoverable
Nickel	0.92	J	2.0	0.63	ug/L	1		6020B	Total Recoverable
Potassium	920		500	110	ug/L	1		6020B	Total Recoverable
Sodium	1300		200	77	ug/L	1		6020B	Total Recoverable
Strontium	30		4.0	0.64	ug/L	1		6020B	Total Recoverable
Vanadium	2.3	J	5.0	2.2	ug/L	1		6020B	Total Recoverable
Aluminum	450		100	25	ug/L	1		6020B	Dissolved
Arsenic	0.24	J	1.0	0.23	ug/L	1		6020B	Dissolved
Barium	22		2.5	0.73	ug/L	1		6020B	Dissolved
Boron	26	J	50	13	ug/L	1		6020B	Dissolved
Calcium	8500	F1	200	44	ug/L	1		6020B	Dissolved
Copper	8.5		2.0	0.50	ug/L	1		6020B	Dissolved
Iron	740		100	47	ug/L	1		6020B	Dissolved
Magnesium	2300		200	49	ug/L	1		6020B	Dissolved
Manganese	11		2.5	0.79	ug/L	1		6020B	Dissolved
Potassium	850		500	110	ug/L	1		6020B	Dissolved
Sodium	1400		200	77	ug/L	1		6020B	Dissolved
Strontium	29		4.0	0.64	ug/L	1		6020B	Dissolved
Hardness as calcium carbonate	30		0.91	0.46	mg/L	1		SM 2340B	Total Recoverable
Chloride	0.90	J	1.0	0.42	mg/L	1		300.0	Total/NA
Sulfate	1.7		1.0	0.47	mg/L	1		300.0	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: DKC-03_20250303 (Continued) — Lab Sample ID: 500-264768-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Phosphorus as P	0.038	J	0.050	0.024	mg/L	1		365.1	Total/NA
Alkalinity	29		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	29		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	32		10	4.3	mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	2.4	J	5.0	1.9	mg/L	1		SM 2540D	Total/NA
Sulfide	2.2	J B	2.5	0.58	mg/L	1		SM 4500 S2 F	Total/NA
Total Organic Carbon	8.1		1.0	0.47	mg/L	1		SM 5310C	Total/NA
Dissolved Organic Carbon	8.0		1.0	0.47	mg/L	1		SM 5310C	Dissolved

Client Sample ID: DKC-03_20250303_FBLL — Lab Sample ID: 500-264768-2

No Detections.

Client Sample ID: SMW-1_20250303 — Lab Sample ID: 500-264768-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	0.71		0.50	0.20	ng/L	1		1631E	Total/NA
Uranium	4.5		0.050	0.0098	ug/L	1		1638	Total Recoverable
Uranium	4.8		0.050	0.0098	ug/L	1		1638	Dissolved
Aluminum	850		100	25	ug/L	1		6020B	Total Recoverable
Arsenic	1.5		1.0	0.23	ug/L	1		6020B	Total Recoverable
Barium	77		2.5	0.73	ug/L	1		6020B	Total Recoverable
Boron	1300		50	13	ug/L	1		6020B	Total Recoverable
Calcium	19000		200	44	ug/L	1		6020B	Total Recoverable
Chromium	1.5	J	5.0	1.1	ug/L	1		6020B	Total Recoverable
Cobalt	0.50	J	1.0	0.40	ug/L	1		6020B	Total Recoverable
Copper	3.1		2.0	0.50	ug/L	1		6020B	Total Recoverable
Iron	810		100	47	ug/L	1		6020B	Total Recoverable
Lead	0.76		0.50	0.19	ug/L	1		6020B	Total Recoverable
Lithium	11		10	2.5	ug/L	1		6020B	Total Recoverable
Magnesium	8200		200	49	ug/L	1		6020B	Total Recoverable
Manganese	21		2.5	0.79	ug/L	1		6020B	Total Recoverable
Molybdenum	6.3		5.0	2.5	ug/L	1		6020B	Total Recoverable
Nickel	1.6	J	2.0	0.63	ug/L	1		6020B	Total Recoverable
Potassium	3400		500	110	ug/L	1		6020B	Total Recoverable
Sodium	57000		200	77	ug/L	1		6020B	Total Recoverable
Strontium	280		4.0	0.64	ug/L	1		6020B	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client Sample ID: SMW-1_20250303 (Continued) — Lab Sample ID: 500-264768-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vanadium	2.9	J	5.0	2.2	ug/L	1		6020B	Total Recoverable
Zinc	7.2	J	20	6.9	ug/L	1		6020B	Total Recoverable
Aluminum	87	J	100	25	ug/L	1		6020B	Dissolved
Arsenic	1.1		1.0	0.23	ug/L	1		6020B	Dissolved
Barium	62		2.5	0.73	ug/L	1		6020B	Dissolved
Boron	1200		50	13	ug/L	1		6020B	Dissolved
Calcium	16000		200	44	ug/L	1		6020B	Dissolved
Iron	180		100	47	ug/L	1		6020B	Dissolved
Lithium	11		10	2.5	ug/L	1		6020B	Dissolved
Magnesium	6800		200	49	ug/L	1		6020B	Dissolved
Manganese	43		2.5	0.79	ug/L	1		6020B	Dissolved
Molybdenum	9.9		5.0	2.5	ug/L	1		6020B	Dissolved
Potassium	2800		500	110	ug/L	1		6020B	Dissolved
Sodium	53000		200	77	ug/L	1		6020B	Dissolved
Strontium	250		4.0	0.64	ug/L	1		6020B	Dissolved
Hardness as calcium carbonate	81		0.91	0.46	mg/L	1		SM 2340B	Total Recoverable
Chloride	5.5		1.0	0.42	mg/L	1		300.0	Total/NA
Fluoride	0.77	J	1.0	0.43	mg/L	1		300.0	Total/NA
Sulfate	14		1.0	0.47	mg/L	1		300.0	Total/NA
Phosphorus as P	0.091		0.050	0.024	mg/L	1		365.1	Total/NA
Alkalinity	180		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	180		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	200		10	4.3	mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	16		5.0	1.9	mg/L	1		SM 2540D	Total/NA
Sulfide	2.2	J B	2.5	0.58	mg/L	1		SM 4500 S2 F	Total/NA
Total Organic Carbon	0.67	J	1.0	0.47	mg/L	1		SM 5310C	Total/NA
Dissolved Organic Carbon	2.7		1.0	0.47	mg/L	1		SM 5310C	Dissolved

Client Sample ID: SMW-1_20250303_FBLL — Lab Sample ID: 500-264768-4

No Detections.

Client Sample ID: SMW-1SB_20250303 — Lab Sample ID: 500-264768-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	1.5		0.50	0.20	ng/L	1		1631E	Total/NA
Mercury	0.78		0.50	0.20	ng/L	1		1631E	Dissolved
Uranium	0.87		0.050	0.0098	ug/L	1		1638	Total Recoverable
Uranium	0.75		0.050	0.0098	ug/L	1		1638	Dissolved
Aluminum	940		100	25	ug/L	1		6020B	Total Recoverable
Arsenic	3.4		1.0	0.23	ug/L	1		6020B	Total Recoverable
Barium	14		2.5	0.73	ug/L	1		6020B	Total Recoverable
Boron	6500		250	64	ug/L	5		6020B	Total Recoverable
Calcium	2700		200	44	ug/L	1		6020B	Total Recoverable
Chromium	1.6	J	5.0	1.1	ug/L	1		6020B	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client Sample ID: SMW-1SB_20250303 (Continued)

Lab Sample ID: 500-264768-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Copper	8.6		2.0	0.50	ug/L	1		6020B	Total Recoverable
Iron	700		100	47	ug/L	1		6020B	Total Recoverable
Lead	0.58		0.50	0.19	ug/L	1		6020B	Total Recoverable
Lithium	17		10	2.5	ug/L	1		6020B	Total Recoverable
Magnesium	560		200	49	ug/L	1		6020B	Total Recoverable
Manganese	14		2.5	0.79	ug/L	1		6020B	Total Recoverable
Molybdenum	7.0		5.0	2.5	ug/L	1		6020B	Total Recoverable
Nickel	1.3	J	2.0	0.63	ug/L	1		6020B	Total Recoverable
Potassium	1600		500	110	ug/L	1		6020B	Total Recoverable
Selenium	1.3	J	2.5	0.98	ug/L	1		6020B	Total Recoverable
Sodium	92000		200	77	ug/L	1		6020B	Total Recoverable
Strontium	22		4.0	0.64	ug/L	1		6020B	Total Recoverable
Vanadium	6.8		5.0	2.2	ug/L	1		6020B	Total Recoverable
Zinc	8.9	J	20	6.9	ug/L	1		6020B	Total Recoverable
Arsenic	3.0		1.0	0.23	ug/L	1		6020B	Dissolved
Barium	8.2		2.5	0.73	ug/L	1		6020B	Dissolved
Boron	6600		250	64	ug/L	5		6020B	Dissolved
Calcium	2100		200	44	ug/L	1		6020B	Dissolved
Copper	1.3	J	2.0	0.50	ug/L	1		6020B	Dissolved
Lithium	17		10	2.5	ug/L	1		6020B	Dissolved
Magnesium	230		200	49	ug/L	1		6020B	Dissolved
Manganese	2.6		2.5	0.79	ug/L	1		6020B	Dissolved
Molybdenum	7.3		5.0	2.5	ug/L	1		6020B	Dissolved
Potassium	1300		500	110	ug/L	1		6020B	Dissolved
Sodium	85000		200	77	ug/L	1		6020B	Dissolved
Strontium	20		4.0	0.64	ug/L	1		6020B	Dissolved
Vanadium	5.2		5.0	2.2	ug/L	1		6020B	Dissolved
Hardness as calcium carbonate	9.0		0.91	0.46	mg/L	1		SM 2340B	Total Recoverable
Chloride	15		1.0	0.42	mg/L	1		300.0	Total/NA
Fluoride	5.4		1.0	0.43	mg/L	1		300.0	Total/NA
Sulfate	14		1.0	0.47	mg/L	1		300.0	Total/NA
Phosphorus as P	0.18		0.050	0.024	mg/L	1		365.1	Total/NA
Alkalinity	160		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	120		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Carbonate Alkalinity as CaCO3	34		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	210		10	4.3	mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	8.0		5.0	1.9	mg/L	1		SM 2540D	Total/NA
Sulfide	6.0	B	1.0	0.23	mg/L	1		SM 4500 S2 F	Total/NA
Total Organic Carbon	1.5		1.0	0.47	mg/L	1		SM 5310C	Total/NA
Dissolved Organic Carbon	3.2		1.0	0.47	mg/L	1		SM 5310C	Dissolved

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264768-1

Client Sample ID: SMW-1SB_20250303_FBLL — Lab Sample ID: 500-264768-6

No Detections.

Client Sample ID: NB2-3_20250303 — Lab Sample ID: 500-264768-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	0.36	J	0.50	0.20	ng/L	1		1631E	Total/NA
Uranium	0.024	J	0.050	0.0098	ug/L	1		1638	Total Recoverable
Uranium	0.014	J	0.050	0.0098	ug/L	1		1638	Dissolved
Aluminum	42	J	100	25	ug/L	1		6020B	Total Recoverable
Arsenic	7.9		1.0	0.23	ug/L	1		6020B	Total Recoverable
Barium	160		2.5	0.73	ug/L	1		6020B	Total Recoverable
Boron	1800		50	13	ug/L	1		6020B	Total Recoverable
Calcium	18000		200	44	ug/L	1		6020B	Total Recoverable
Copper	2.5		2.0	0.50	ug/L	1		6020B	Total Recoverable
Iron	820		100	47	ug/L	1		6020B	Total Recoverable
Lithium	8.1	J	10	2.5	ug/L	1		6020B	Total Recoverable
Magnesium	1900		200	49	ug/L	1		6020B	Total Recoverable
Manganese	100		2.5	0.79	ug/L	1		6020B	Total Recoverable
Molybdenum	130		5.0	2.5	ug/L	1		6020B	Total Recoverable
Nickel	0.78	J	2.0	0.63	ug/L	1		6020B	Total Recoverable
Potassium	8200		500	110	ug/L	1		6020B	Total Recoverable
Sodium	200000		200	77	ug/L	1		6020B	Total Recoverable
Strontium	230		4.0	0.64	ug/L	1		6020B	Total Recoverable
Arsenic	6.3		1.0	0.23	ug/L	1		6020B	Dissolved
Barium	140		2.5	0.73	ug/L	1		6020B	Dissolved
Boron	1700		50	13	ug/L	1		6020B	Dissolved
Calcium	17000		200	44	ug/L	1		6020B	Dissolved
Iron	170		100	47	ug/L	1		6020B	Dissolved
Lithium	8.2	J	10	2.5	ug/L	1		6020B	Dissolved
Magnesium	1800		200	49	ug/L	1		6020B	Dissolved
Manganese	82		2.5	0.79	ug/L	1		6020B	Dissolved
Molybdenum	130		5.0	2.5	ug/L	1		6020B	Dissolved
Potassium	7500		500	110	ug/L	1		6020B	Dissolved
Sodium	190000		200	77	ug/L	1		6020B	Dissolved
Strontium	230		4.0	0.64	ug/L	1		6020B	Dissolved
Hardness as calcium carbonate	53		0.91	0.46	mg/L	1		SM 2340B	Total Recoverable
Bromide	2.4		1.0	0.45	mg/L	1		300.0	Total/NA
Chloride	240		10	4.2	mg/L	10		300.0	Total/NA
Fluoride	0.45	J	1.0	0.43	mg/L	1		300.0	Total/NA
Ammonia	0.21		0.20	0.10	mg/L	1		350.1	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: NB2-3_20250303 (Continued) — Lab Sample ID: 500-264768-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Phosphorus as P	0.21		0.050	0.024	mg/L	1		365.1	Total/NA
Alkalinity	170		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	170		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Salinity	0.40		0.33	0.33	psu	1		SM 2520B	Total/NA
Total Dissolved Solids	590		10	4.3	mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	9.8		6.3	2.4	mg/L	1		SM 2540D	Total/NA
Sulfide	7.3	B	1.0	0.23	mg/L	1		SM 4500 S2 F	Total/NA
Total Organic Carbon	4.3		1.0	0.47	mg/L	1		SM 5310C	Total/NA
Dissolved Organic Carbon	4.1		1.0	0.47	mg/L	1		SM 5310C	Dissolved

Client Sample ID: NB2-3_20250303_FBLL — Lab Sample ID: 500-264768-8

No Detections.

Client Sample ID: EB-01-GW_20250303 — Lab Sample ID: 500-264768-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Boron	13	J	50	13	ug/L	1		6020B	Total Recoverable
Total Dissolved Solids	12		10	4.3	mg/L	1		SM 2540C	Total/NA
Sulfide	1.4	B	1.0	0.23	mg/L	1		SM 4500 S2 F	Total/NA

Client Sample ID: EB-01-GW_20250303_FBLL — Lab Sample ID: 500-264768-10

No Detections.

Client Sample ID: LKS-02_20250303 — Lab Sample ID: 500-264768-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl Mercury	0.037	J B	0.050	0.022	ng/L	1		1630	Total/NA
Methyl Mercury	0.024	J B	0.050	0.022	ng/L	1		1630	Dissolved
Mercury	5.0		0.50	0.20	ng/L	1		1631E	Total/NA
Mercury	4.0		0.50	0.20	ng/L	1		1631E	Dissolved
Uranium	0.063		0.050	0.0098	ug/L	1		1638	Total Recoverable
Uranium	0.048	J	0.050	0.0098	ug/L	1		1638	Dissolved
Aluminum	410		100	25	ug/L	1		6020B	Total Recoverable
Arsenic	0.44	J	1.0	0.23	ug/L	1		6020B	Total Recoverable
Barium	29		2.5	0.73	ug/L	1		6020B	Total Recoverable
Boron	37	J	50	13	ug/L	1		6020B	Total Recoverable
Calcium	16000		200	44	ug/L	1		6020B	Total Recoverable
Copper	13		2.0	0.50	ug/L	1		6020B	Total Recoverable
Iron	770		100	47	ug/L	1		6020B	Total Recoverable
Lead	0.27	J	0.50	0.19	ug/L	1		6020B	Total Recoverable
Magnesium	3600		200	49	ug/L	1		6020B	Total Recoverable
Manganese	24		2.5	0.79	ug/L	1		6020B	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client Sample ID: LKS-02_20250303 (Continued) — Lab Sample ID: 500-264768-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nickel	0.68	J	2.0	0.63	ug/L	1		6020B	Total Recoverable
Potassium	860		500	110	ug/L	1		6020B	Total Recoverable
Sodium	8700		200	77	ug/L	1		6020B	Total Recoverable
Strontium	61		4.0	0.64	ug/L	1		6020B	Total Recoverable
Aluminum	110		100	25	ug/L	1		6020B	Dissolved
Arsenic	0.35	J	1.0	0.23	ug/L	1		6020B	Dissolved
Barium	23		2.5	0.73	ug/L	1		6020B	Dissolved
Boron	61		50	13	ug/L	1		6020B	Dissolved
Calcium	15000		200	44	ug/L	1		6020B	Dissolved
Copper	15		2.0	0.50	ug/L	1		6020B	Dissolved
Iron	350		100	47	ug/L	1		6020B	Dissolved
Magnesium	3200		200	49	ug/L	1		6020B	Dissolved
Manganese	18		2.5	0.79	ug/L	1		6020B	Dissolved
Potassium	740		500	110	ug/L	1		6020B	Dissolved
Sodium	8100		200	77	ug/L	1		6020B	Dissolved
Strontium	60		4.0	0.64	ug/L	1		6020B	Dissolved
Hardness as calcium carbonate	55		0.91	0.46	mg/L	1		SM 2340B	Total Recoverable
Chloride	28		1.0	0.42	mg/L	1		300.0	Total/NA
Sulfate	3.1		1.0	0.47	mg/L	1		300.0	Total/NA
Cyanide, Total	0.0060		0.0050	0.0036	mg/L	1		335.4	Total/NA
Phosphorus as P	0.027	J	0.050	0.024	mg/L	1		365.1	Total/NA
Alkalinity	26		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	26		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	96		10	4.3	mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	2.2	J	5.0	1.9	mg/L	1		SM 2540D	Total/NA
Sulfide	2.1	J B	2.5	0.58	mg/L	1		SM 4500 S2 F	Total/NA
Total Organic Carbon	13		1.0	0.47	mg/L	1		SM 5310C	Total/NA
Dissolved Organic Carbon	13		1.0	0.47	mg/L	1		SM 5310C	Dissolved

Client Sample ID: LKS-02_20250303_FBLL — Lab Sample ID: 500-264768-12

No Detections.

Client Sample ID: MLC-01_20250303 — Lab Sample ID: 500-264768-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	9.8		0.50	0.20	ng/L	1		1631E	Total/NA
Mercury	4.6		0.50	0.20	ng/L	1		1631E	Dissolved
Uranium	0.36		0.050	0.0098	ug/L	1		1638	Total Recoverable
Uranium	0.19		0.050	0.0098	ug/L	1		1638	Dissolved
Aluminum	3500		100	25	ug/L	1		6020B	Total Recoverable
Arsenic	0.45	J	1.0	0.23	ug/L	1		6020B	Total Recoverable
Barium	80		2.5	0.73	ug/L	1		6020B	Total Recoverable
Boron	36	J	50	13	ug/L	1		6020B	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client Sample ID: MLC-01_20250303 (Continued)

Lab Sample ID: 500-264768-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	20000		200	44	ug/L	1		6020B	Total Recoverable
Chromium	3.4	J	5.0	1.1	ug/L	1		6020B	Total Recoverable
Cobalt	0.80	J	1.0	0.40	ug/L	1		6020B	Total Recoverable
Copper	17		2.0	0.50	ug/L	1		6020B	Total Recoverable
Iron	2100		100	47	ug/L	1		6020B	Total Recoverable
Lead	1.3		0.50	0.19	ug/L	1		6020B	Total Recoverable
Lithium	4.2	J	10	2.5	ug/L	1		6020B	Total Recoverable
Magnesium	5200		200	49	ug/L	1		6020B	Total Recoverable
Manganese	31		2.5	0.79	ug/L	1		6020B	Total Recoverable
Nickel	2.0		2.0	0.63	ug/L	1		6020B	Total Recoverable
Potassium	1500		500	110	ug/L	1		6020B	Total Recoverable
Sodium	6300		200	77	ug/L	1		6020B	Total Recoverable
Strontium	110		4.0	0.64	ug/L	1		6020B	Total Recoverable
Vanadium	5.9		5.0	2.2	ug/L	1		6020B	Total Recoverable
Zinc	8.7	J	20	6.9	ug/L	1		6020B	Total Recoverable
Aluminum	110		100	25	ug/L	1		6020B	Dissolved
Barium	48		2.5	0.73	ug/L	1		6020B	Dissolved
Boron	44	J	50	13	ug/L	1		6020B	Dissolved
Calcium	18000		200	44	ug/L	1		6020B	Dissolved
Copper	8.0		2.0	0.50	ug/L	1		6020B	Dissolved
Iron	82	J	100	47	ug/L	1		6020B	Dissolved
Magnesium	4300		200	49	ug/L	1		6020B	Dissolved
Manganese	7.3		2.5	0.79	ug/L	1		6020B	Dissolved
Potassium	950		500	110	ug/L	1		6020B	Dissolved
Sodium	5700		200	77	ug/L	1		6020B	Dissolved
Strontium	110		4.0	0.64	ug/L	1		6020B	Dissolved
Hardness as calcium carbonate	72		0.91	0.46	mg/L	1		SM 2340B	Total Recoverable
Chloride	29		1.0	0.42	mg/L	1		300.0	Total/NA
Sulfate	2.9		1.0	0.47	mg/L	1		300.0	Total/NA
Phosphorus as P	0.086		0.050	0.024	mg/L	1		365.1	Total/NA
Alkalinity	36		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	36		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	130		10	4.3	mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	3.8	J	5.0	1.9	mg/L	1		SM 2540D	Total/NA
Sulfide	1.8	J B	2.5	0.58	mg/L	1		SM 4500 S2 F	Total/NA
Total Organic Carbon	7.4		1.0	0.47	mg/L	1		SM 5310C	Total/NA
Dissolved Organic Carbon	7.3		1.0	0.47	mg/L	1		SM 5310C	Dissolved

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264768-1

Client Sample ID: MLC-01_20250303_FBLL — Lab Sample ID: 500-264768-14

No Detections.

Client Sample ID: NB1-1_20250303 — Lab Sample ID: 500-264768-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	0.39	J	0.50	0.20	ng/L	1		1631E	Total/NA
Mercury	0.29	J	0.50	0.20	ng/L	1		1631E	Dissolved
Uranium	0.014	J	0.050	0.0098	ug/L	1		1638	Total Recoverable
Aluminum	31	J	100	25	ug/L	1		6020B	Total Recoverable
Arsenic	1.4		1.0	0.23	ug/L	1		6020B	Total Recoverable
Barium	360		2.5	0.73	ug/L	1		6020B	Total Recoverable
Boron	1100		50	13	ug/L	1		6020B	Total Recoverable
Calcium	68000		200	44	ug/L	1		6020B	Total Recoverable
Copper	1.9	J	2.0	0.50	ug/L	1		6020B	Total Recoverable
Iron	480		100	47	ug/L	1		6020B	Total Recoverable
Lithium	8.1	J	10	2.5	ug/L	1		6020B	Total Recoverable
Magnesium	5700		200	49	ug/L	1		6020B	Total Recoverable
Manganese	33		2.5	0.79	ug/L	1		6020B	Total Recoverable
Molybdenum	3.1	J	5.0	2.5	ug/L	1		6020B	Total Recoverable
Potassium	10000		500	110	ug/L	1		6020B	Total Recoverable
Sodium	140000		200	77	ug/L	1		6020B	Total Recoverable
Strontium	990		4.0	0.64	ug/L	1		6020B	Total Recoverable
Arsenic	1.1		1.0	0.23	ug/L	1		6020B	Dissolved
Barium	330		2.5	0.73	ug/L	1		6020B	Dissolved
Boron	1000		50	13	ug/L	1		6020B	Dissolved
Calcium	62000		200	44	ug/L	1		6020B	Dissolved
Lithium	7.5	J	10	2.5	ug/L	1		6020B	Dissolved
Magnesium	5000		200	49	ug/L	1		6020B	Dissolved
Manganese	28		2.5	0.79	ug/L	1		6020B	Dissolved
Potassium	9300		500	110	ug/L	1		6020B	Dissolved
Sodium	130000		200	77	ug/L	1		6020B	Dissolved
Strontium	1000		4.0	0.64	ug/L	1		6020B	Dissolved
Hardness as calcium carbonate	190		0.91	0.46	mg/L	1		SM 2340B	Total Recoverable
Bromide	2.5		1.0	0.45	mg/L	1		300.0	Total/NA
Chloride	270		10	4.2	mg/L	10		300.0	Total/NA
Fluoride	0.64	J	1.0	0.43	mg/L	1		300.0	Total/NA
Sulfate	44		1.0	0.47	mg/L	1		300.0	Total/NA
Cyanide, Total	0.059		0.0050	0.0036	mg/L	1		335.4	Total/NA
Ammonia	0.29		0.20	0.10	mg/L	1		350.1	Total/NA
Phosphorus as P	0.15		0.050	0.024	mg/L	1		365.1	Total/NA
Alkalinity	83		5.0	3.7	mg/L	1		SM 2320B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: NB1-1_20250303 (Continued) — Lab Sample ID: 500-264768-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Bicarbonate Alkalinity as CaCO3	83		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Salinity	0.40		0.33	0.33	psu	1		SM 2520B	Total/NA
Total Dissolved Solids	580		10	4.3	mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	6.8		5.0	1.9	mg/L	1		SM 2540D	Total/NA
Sulfide	8.7	B	1.0	0.23	mg/L	1		SM 4500 S2 F	Total/NA
Total Organic Carbon	3.3		1.0	0.47	mg/L	1		SM 5310C	Total/NA
Dissolved Organic Carbon	3.4		1.0	0.47	mg/L	1		SM 5310C	Dissolved

Client Sample ID: NB1-1_20250303_FBLL — Lab Sample ID: 500-264768-16

No Detections.

Client Sample ID: NB1-3_20250303 — Lab Sample ID: 500-264768-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	0.47	J	0.50	0.20	ng/L	1		1631E	Total/NA
Mercury	0.23	J	0.50	0.20	ng/L	1		1631E	Dissolved
Uranium	0.012	J	0.050	0.0098	ug/L	1		1638	Total Recoverable
Aluminum	92	J	100	25	ug/L	1		6020B	Total Recoverable
Arsenic	1.9		1.0	0.23	ug/L	1		6020B	Total Recoverable
Barium	500		2.5	0.73	ug/L	1		6020B	Total Recoverable
Boron	1200		50	13	ug/L	1		6020B	Total Recoverable
Calcium	64000		200	44	ug/L	1		6020B	Total Recoverable
Copper	3.8		2.0	0.50	ug/L	1		6020B	Total Recoverable
Iron	1800		100	47	ug/L	1		6020B	Total Recoverable
Lithium	19		10	2.5	ug/L	1		6020B	Total Recoverable
Magnesium	5000		200	49	ug/L	1		6020B	Total Recoverable
Manganese	170		2.5	0.79	ug/L	1		6020B	Total Recoverable
Molybdenum	18		5.0	2.5	ug/L	1		6020B	Total Recoverable
Potassium	12000		500	110	ug/L	1		6020B	Total Recoverable
Sodium	100000		200	77	ug/L	1		6020B	Total Recoverable
Strontium	1000		4.0	0.64	ug/L	1		6020B	Total Recoverable
Arsenic	1.7		1.0	0.23	ug/L	1		6020B	Dissolved
Barium	460		2.5	0.73	ug/L	1		6020B	Dissolved
Boron	1100		50	13	ug/L	1		6020B	Dissolved
Calcium	59000		200	44	ug/L	1		6020B	Dissolved
Iron	180		100	47	ug/L	1		6020B	Dissolved
Lithium	18		10	2.5	ug/L	1		6020B	Dissolved
Magnesium	4500		200	49	ug/L	1		6020B	Dissolved
Manganese	150		2.5	0.79	ug/L	1		6020B	Dissolved
Molybdenum	17		5.0	2.5	ug/L	1		6020B	Dissolved

This Detection Summary does not include radiochemical test results.

Client Sample ID: NB1-3_20250303 (Continued) — Lab Sample ID: 500-264768-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Potassium	11000		500	110	ug/L	1		6020B	Dissolved
Sodium	95000		200	77	ug/L	1		6020B	Dissolved
Strontium	1100		4.0	0.64	ug/L	1		6020B	Dissolved
Hardness as calcium carbonate	180		0.91	0.46	mg/L	1		SM 2340B	Total Recoverable
Bromide	2.5		1.0	0.45	mg/L	1		300.0	Total/NA
Chloride	250		10	4.2	mg/L	10		300.0	Total/NA
Sulfate	1.3		1.0	0.47	mg/L	1		300.0	Total/NA
Ammonia	0.50		0.20	0.10	mg/L	1		350.1	Total/NA
Phosphorus as P	0.057		0.050	0.024	mg/L	1		365.1	Total/NA
Alkalinity	66		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	66		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	500		10	4.3	mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	8.0		5.0	1.9	mg/L	1		SM 2540D	Total/NA
Total Organic Carbon	2.1		1.0	0.47	mg/L	1		SM 5310C	Total/NA
Dissolved Organic Carbon	2.2		1.0	0.47	mg/L	1		SM 5310C	Dissolved

Client Sample ID: NB1-3_20250303_FBLL — Lab Sample ID: 500-264768-18

No Detections.

This Detection Summary does not include radiochemical test results.

Method Summary

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264768-1

Method	Method Description	Protocol	Laboratory
1630	Methyl Mercury	EPA	EET SSM
1631E	Mercury, Low Level (CVAFS)	EPA	EET SSM
1638	Metals (ICP/MS)	EPA	EET SSM
6020B	Metals (ICP/MS)	SW846	EET CHI
SM 2340B	Total Hardness (as CaCO3) by calculation	SM	EET CHI
300.0	Anions, Ion Chromatography	EPA	EET CHI
335.4	Cyanide, Total	EPA	EET CHI
350.1	Nitrogen, Ammonia	EPA	EET CHI
365.1	Phosphorus, Total	EPA	EET CHI
SM 2320B	Alkalinity	SM	EET CHI
SM 2520B	Salinity	SM	EET CHI
SM 2540C	Solids, Total Dissolved (TDS)	SM	EET CHI
SM 2540D	Solids, Total Suspended (TSS)	SM	EET CHI
SM 4500 S2 F	Sulfide, Total	SM	EET CHI
SM 5310C	Organic Carbon, Dissolved (DOC)	SM	EET CHI
SM 5310C	TOC	SM	EET CHI
1630	Distillation, Methyl Mercury	EPA	EET SSM
1638	Preparation, Total Recoverable Metals	EPA	EET SSM
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET CHI
365.2/365.3/365	Phosphorus, Total	EPA	EET CHI
Distill/Ammonia	Distillation, Ammonia	None	EET CHI
Distill/CN	Distillation, Cyanide	None	EET CHI

Protocol References:

EPA = US Environmental Protection Agency

None = None

SM = "Standard Methods For The Examination Of Water And Wastewater"

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET CHI = Eurofins Chicago, 18410 Crossing Drive, Suite E, Tinley Park, IL 60487, TEL (708)534-5200

EET SSM = Eurofins Seattle Specialty Metals, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

Sample Summary

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264768-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-264768-1	DKC-03_20250303	Water	03/03/25 15:00	03/05/25 10:40
500-264768-2	DKC-03_20250303_FBLL	Water	03/03/25 15:00	03/05/25 10:40
500-264768-3	SMW-1_20250303	Water	03/03/25 14:45	03/05/25 10:40
500-264768-4	SMW-1_20250303_FBLL	Water	03/03/25 14:45	03/05/25 10:40
500-264768-5	SMW-1SB_20250303	Water	03/03/25 16:10	03/05/25 10:40
500-264768-6	SMW-1SB_20250303_FBLL	Water	03/03/25 16:10	03/05/25 10:40
500-264768-7	NB2-3_20250303	Water	03/03/25 12:35	03/05/25 10:40
500-264768-8	NB2-3_20250303_FBLL	Water	03/03/25 12:35	03/05/25 10:40
500-264768-9	EB-01-GW_20250303	Water	03/03/25 17:30	03/05/25 10:40
500-264768-10	EB-01-GW_20250303_FBLL	Water	03/03/25 17:30	03/05/25 10:40
500-264768-11	LKS-02_20250303	Water	03/03/25 10:30	03/05/25 10:40
500-264768-12	LKS-02_20250303_FBLL	Water	03/03/25 10:30	03/05/25 10:40
500-264768-13	MLC-01_20250303	Water	03/03/25 13:00	03/05/25 10:40
500-264768-14	MLC-01_20250303_FBLL	Water	03/03/25 13:00	03/05/25 10:40
500-264768-15	NB1-1_20250303	Water	03/03/25 09:45	03/05/25 10:40
500-264768-16	NB1-1_20250303_FBLL	Water	03/03/25 09:45	03/05/25 10:40
500-264768-17	NB1-3_20250303	Water	03/03/25 10:35	03/05/25 10:40
500-264768-18	NB1-3_20250303_FBLL	Water	03/03/25 10:35	03/05/25 10:40

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264768-1

Client Sample ID: DKC-03_20250303

Date Collected: 03/03/25 15:00
Date Received: 03/05/25 10:40

Lab Sample ID: 500-264768-1

Matrix: Water

Method: EPA 1630 - Methyl Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	**0.030**	**J B**	0.050	0.022	ng/L		03/20/25 12:01	03/20/25 23:14	1

Method: EPA 1630 - Methyl Mercury - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	**0.032**	**J B**	0.050	0.022	ng/L		03/20/25 12:01	03/20/25 23:45	1

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**6.6**		0.50	0.20	ng/L			03/07/25 13:39	1

Method: EPA 1631E - Mercury, Low Level (CVAFS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**4.5**		0.50	0.20	ng/L			03/07/25 12:41	1

Method: EPA 1638 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.20**		0.050	0.0098	ug/L		03/14/25 11:45	03/15/25 00:16	1

Method: EPA 1638 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.16**		0.050	0.0098	ug/L		03/14/25 11:45	03/14/25 22:16	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**1100**	**F1**	100	25	ug/L		03/11/25 08:35	03/18/25 14:01	1
Antimony	<1.3		3.0	1.3	ug/L		03/11/25 08:35	03/18/25 14:01	1
Arsenic	**0.38**	**J**	1.0	0.23	ug/L		03/11/25 08:35	03/18/25 14:01	1
Barium	**27**		2.5	0.73	ug/L		03/11/25 08:35	03/18/25 14:01	1
Beryllium	<0.53		1.0	0.53	ug/L		03/11/25 08:35	03/18/25 14:01	1
Boron	**21**	**J**	50	13	ug/L		03/11/25 08:35	03/18/25 14:01	1
Cadmium	<0.17		0.50	0.17	ug/L		03/11/25 08:35	03/18/25 14:01	1
Calcium	**8300**		200	44	ug/L		03/11/25 08:35	03/18/25 14:01	1
Chromium	**1.3**	**J**	5.0	1.1	ug/L		03/11/25 08:35	03/18/25 14:01	1
Cobalt	<0.40		1.0	0.40	ug/L		03/11/25 08:35	03/18/25 14:01	1
Copper	**11**		2.0	0.50	ug/L		03/11/25 08:35	03/18/25 14:01	1
Iron	**1600**		100	47	ug/L		03/11/25 08:35	03/18/25 14:01	1
Lead	**0.46**	**J**	0.50	0.19	ug/L		03/11/25 08:35	03/18/25 14:01	1
Lithium	<2.5		10	2.5	ug/L		03/11/25 08:35	03/18/25 14:01	1
Magnesium	**2300**		200	49	ug/L		03/11/25 08:35	03/18/25 14:01	1
Manganese	**22**		2.5	0.79	ug/L		03/11/25 08:35	03/18/25 14:01	1
Molybdenum	<2.5		5.0	2.5	ug/L		03/11/25 08:35	03/18/25 14:01	1
Nickel	**0.92**	**J**	2.0	0.63	ug/L		03/11/25 08:35	03/18/25 14:01	1
Potassium	**920**		500	110	ug/L		03/11/25 08:35	03/18/25 14:01	1
Selenium	<0.98		2.5	0.98	ug/L		03/11/25 08:35	03/18/25 14:01	1
Silver	<0.12		0.50	0.12	ug/L		03/11/25 08:35	03/18/25 14:01	1
Sodium	**1300**		200	77	ug/L		03/11/25 08:35	03/18/25 14:01	1
Strontium	**30**		4.0	0.64	ug/L		03/11/25 08:35	03/18/25 14:01	1
Thallium	<0.57		2.0	0.57	ug/L		03/11/25 08:35	03/18/25 14:01	1
Tin	<1.3		5.0	1.3	ug/L		03/11/25 08:35	03/18/25 14:01	1
Vanadium	**2.3**	**J**	5.0	2.2	ug/L		03/11/25 08:35	03/18/25 14:01	1
Zinc	<6.9		20	6.9	ug/L		03/11/25 08:35	03/18/25 14:01	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264768-1

Client Sample ID: DKC-03_20250303

Date Collected: 03/03/25 15:00
Date Received: 03/05/25 10:40

Lab Sample ID: 500-264768-1

Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**450**		100	25	ug/L		03/11/25 08:35	03/18/25 14:42	1
Antimony	<1.3		3.0	1.3	ug/L		03/11/25 08:35	03/18/25 14:42	1
Arsenic	**0.24**	**J**	1.0	0.23	ug/L		03/11/25 08:35	03/18/25 14:42	1
Barium	**22**		2.5	0.73	ug/L		03/11/25 08:35	03/18/25 14:42	1
Beryllium	<0.53		1.0	0.53	ug/L		03/11/25 08:35	03/19/25 12:54	1
Boron	**26**	**J**	50	13	ug/L		03/11/25 08:35	03/18/25 14:42	1
Cadmium	<0.17		0.50	0.17	ug/L		03/11/25 08:35	03/18/25 14:42	1
Calcium	**8500**	**F1**	200	44	ug/L		03/11/25 08:35	03/18/25 14:42	1
Chromium	<1.1		5.0	1.1	ug/L		03/11/25 08:35	03/18/25 14:42	1
Cobalt	<0.40		1.0	0.40	ug/L		03/11/25 08:35	03/18/25 14:42	1
Copper	**8.5**		2.0	0.50	ug/L		03/11/25 08:35	03/18/25 14:42	1
Iron	**740**		100	47	ug/L		03/11/25 08:35	03/18/25 14:42	1
Lead	<0.19		0.50	0.19	ug/L		03/11/25 08:35	03/18/25 14:42	1
Lithium	<2.5		10	2.5	ug/L		03/11/25 08:35	03/19/25 12:54	1
Magnesium	**2300**		200	49	ug/L		03/11/25 08:35	03/18/25 14:42	1
Manganese	**11**		2.5	0.79	ug/L		03/11/25 08:35	03/18/25 14:42	1
Molybdenum	<2.5		5.0	2.5	ug/L		03/11/25 08:35	03/19/25 12:54	1
Nickel	<0.63		2.0	0.63	ug/L		03/11/25 08:35	03/18/25 14:42	1
Potassium	**850**		500	110	ug/L		03/11/25 08:35	03/18/25 14:42	1
Selenium	<0.98		2.5	0.98	ug/L		03/11/25 08:35	03/18/25 14:42	1
Silver	<0.12		0.50	0.12	ug/L		03/11/25 08:35	03/18/25 14:42	1
Sodium	**1400**		200	77	ug/L		03/11/25 08:35	03/18/25 14:42	1
Strontium	**29**		4.0	0.64	ug/L		03/11/25 08:35	03/19/25 12:54	1
Thallium	<0.57		2.0	0.57	ug/L		03/11/25 08:35	03/18/25 14:42	1
Tin	<1.3		5.0	1.3	ug/L		03/11/25 08:35	03/19/25 12:54	1
Vanadium	<2.2		5.0	2.2	ug/L		03/11/25 08:35	03/19/25 12:54	1
Zinc	<6.9		20	6.9	ug/L		03/11/25 08:35	03/18/25 14:42	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**30**		0.91	0.46	mg/L		03/11/25 08:35	03/19/25 10:54	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	<0.45		1.0	0.45	mg/L			03/13/25 11:36	1
Nitrate as N (EPA 300.0)	<0.37		1.0	0.37	mg/L			03/05/25 13:35	1
Chloride (EPA 300.0)	**0.90**	**J**	1.0	0.42	mg/L			03/13/25 11:36	1
Nitrite as N (EPA 300.0)	<0.25		1.0	0.25	mg/L			03/05/25 13:35	1
Fluoride (EPA 300.0)	<0.43		1.0	0.43	mg/L			03/13/25 11:36	1
Nitrate Nitrite as N (EPA 300.0)	<0.37		1.0	0.37	mg/L			03/05/25 13:35	1
Sulfate (EPA 300.0)	**1.7**		1.0	0.47	mg/L			03/13/25 11:36	1
Cyanide, Total (EPA 335.4)	<0.0036		0.0050	0.0036	mg/L		03/06/25 15:08	03/06/25 16:33	1
Ammonia (EPA 350.1)	<0.10		0.20	0.10	mg/L		03/18/25 13:50	03/19/25 15:54	1
Phosphorus as P (EPA 365.1)	**0.038**	**J**	0.050	0.024	mg/L		03/11/25 07:30	03/13/25 11:09	1
Alkalinity (SM 2320B)	**29**		5.0	3.7	mg/L			03/09/25 11:41	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**29**		5.0	3.7	mg/L			03/09/25 11:41	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<3.7		5.0	3.7	mg/L			03/09/25 11:41	1
Salinity (SM 2520B)	<0.33		0.33	0.33	psu			03/24/25 10:59	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264768-1

Client Sample ID: DKC-03_20250303
Date Collected: 03/03/25 15:00
Date Received: 03/05/25 10:40

Lab Sample ID: 500-264768-1
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	32		10	4.3	mg/L			03/10/25 02:46	1
Total Suspended Solids (SM 2540D)	2.4	J	5.0	1.9	mg/L			03/07/25 15:19	1
Sulfide (SM 4500 S2 F)	2.2	J B	2.5	0.58	mg/L			03/06/25 13:56	1
Total Organic Carbon (SM 5310C)	8.1		1.0	0.47	mg/L			03/12/25 22:00	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon (SM 5310C)	8.0		1.0	0.47	mg/L			03/13/25 09:18	1

Client Sample Results

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264768-1

Client Sample ID: DKC-03_20250303_FBLL

Date Collected: 03/03/25 15:00
Date Received: 03/05/25 10:40

Lab Sample ID: 500-264768-2

Matrix: Water

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			03/07/25 16:21	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264768-1

Client Sample ID: SMW-1_20250303

Date Collected: 03/03/25 14:45
Date Received: 03/05/25 10:40

Lab Sample ID: 500-264768-3

Matrix: Water

Method: EPA 1630 - Methyl Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		03/20/25 12:01	03/21/25 01:57	1

Method: EPA 1630 - Methyl Mercury - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		03/20/25 12:01	03/21/25 02:07	1

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.71**		0.50	0.20	ng/L			03/07/25 16:25	1

Method: EPA 1631E - Mercury, Low Level (CVAFS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			03/07/25 16:29	1

Method: EPA 1638 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**4.5**		0.050	0.0098	ug/L		03/14/25 11:45	03/15/25 01:29	1

Method: EPA 1638 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**4.8**		0.050	0.0098	ug/L		03/14/25 11:45	03/14/25 23:30	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**850**		100	25	ug/L		03/11/25 08:35	03/18/25 14:13	1
Antimony	<1.3		3.0	1.3	ug/L		03/11/25 08:35	03/18/25 14:13	1
Arsenic	**1.5**		1.0	0.23	ug/L		03/11/25 08:35	03/18/25 14:13	1
Barium	**77**		2.5	0.73	ug/L		03/11/25 08:35	03/18/25 14:13	1
Beryllium	<0.53		1.0	0.53	ug/L		03/11/25 08:35	03/18/25 14:13	1
Boron	**1300**		50	13	ug/L		03/11/25 08:35	03/18/25 14:13	1
Cadmium	<0.17		0.50	0.17	ug/L		03/11/25 08:35	03/18/25 14:13	1
Calcium	**19000**		200	44	ug/L		03/11/25 08:35	03/18/25 14:13	1
Chromium	**1.5**	**J**	5.0	1.1	ug/L		03/11/25 08:35	03/18/25 14:13	1
Cobalt	**0.50**	**J**	1.0	0.40	ug/L		03/11/25 08:35	03/18/25 14:13	1
Copper	**3.1**		2.0	0.50	ug/L		03/11/25 08:35	03/18/25 14:13	1
Iron	**810**		100	47	ug/L		03/11/25 08:35	03/18/25 14:13	1
Lead	**0.76**		0.50	0.19	ug/L		03/11/25 08:35	03/18/25 14:13	1
Lithium	**11**		10	2.5	ug/L		03/11/25 08:35	03/18/25 14:13	1
Magnesium	**8200**		200	49	ug/L		03/11/25 08:35	03/18/25 14:13	1
Manganese	**21**		2.5	0.79	ug/L		03/11/25 08:35	03/18/25 14:13	1
Molybdenum	**6.3**		5.0	2.5	ug/L		03/11/25 08:35	03/18/25 14:13	1
Nickel	**1.6**	**J**	2.0	0.63	ug/L		03/11/25 08:35	03/18/25 14:13	1
Potassium	**3400**		500	110	ug/L		03/11/25 08:35	03/18/25 14:13	1
Selenium	<0.98		2.5	0.98	ug/L		03/11/25 08:35	03/18/25 14:13	1
Silver	<0.12		0.50	0.12	ug/L		03/11/25 08:35	03/18/25 14:13	1
Sodium	**57000**		200	77	ug/L		03/11/25 08:35	03/18/25 14:13	1
Strontium	**280**		4.0	0.64	ug/L		03/11/25 08:35	03/18/25 14:13	1
Thallium	<0.57		2.0	0.57	ug/L		03/11/25 08:35	03/18/25 14:13	1
Tin	<1.3		5.0	1.3	ug/L		03/11/25 08:35	03/18/25 14:13	1
Vanadium	**2.9**	**J**	5.0	2.2	ug/L		03/11/25 08:35	03/18/25 14:13	1
Zinc	**7.2**	**J**	20	6.9	ug/L		03/11/25 08:35	03/18/25 14:13	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264768-1

Client Sample ID: SMW-1_20250303

Date Collected: 03/03/25 14:45
Date Received: 03/05/25 10:40

Lab Sample ID: 500-264768-3

Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**87**	**J**	100	25	ug/L		03/11/25 08:35	03/18/25 14:59	1
Antimony	<1.3		3.0	1.3	ug/L		03/11/25 08:35	03/18/25 14:59	1
Arsenic	**1.1**		1.0	0.23	ug/L		03/11/25 08:35	03/18/25 14:59	1
Barium	**62**		2.5	0.73	ug/L		03/11/25 08:35	03/18/25 14:59	1
Beryllium	<0.53		1.0	0.53	ug/L		03/11/25 08:35	03/19/25 13:11	1
Boron	**1200**		50	13	ug/L		03/11/25 08:35	03/18/25 14:59	1
Cadmium	<0.17		0.50	0.17	ug/L		03/11/25 08:35	03/18/25 14:59	1
Calcium	**16000**		200	44	ug/L		03/11/25 08:35	03/18/25 14:59	1
Chromium	<1.1		5.0	1.1	ug/L		03/11/25 08:35	03/18/25 14:59	1
Cobalt	<0.40		1.0	0.40	ug/L		03/11/25 08:35	03/18/25 14:59	1
Copper	<0.50		2.0	0.50	ug/L		03/11/25 08:35	03/18/25 14:59	1
Iron	**180**		100	47	ug/L		03/11/25 08:35	03/18/25 14:59	1
Lead	<0.19		0.50	0.19	ug/L		03/11/25 08:35	03/18/25 14:59	1
Lithium	**11**		10	2.5	ug/L		03/11/25 08:35	03/19/25 13:11	1
Magnesium	**6800**		200	49	ug/L		03/11/25 08:35	03/18/25 14:59	1
Manganese	**43**		2.5	0.79	ug/L		03/11/25 08:35	03/18/25 14:59	1
Molybdenum	**9.9**		5.0	2.5	ug/L		03/11/25 08:35	03/19/25 13:11	1
Nickel	<0.63		2.0	0.63	ug/L		03/11/25 08:35	03/18/25 14:59	1
Potassium	**2800**		500	110	ug/L		03/11/25 08:35	03/18/25 14:59	1
Selenium	<0.98		2.5	0.98	ug/L		03/11/25 08:35	03/18/25 14:59	1
Silver	<0.12		0.50	0.12	ug/L		03/11/25 08:35	03/18/25 14:59	1
Sodium	**53000**		200	77	ug/L		03/11/25 08:35	03/18/25 14:59	1
Strontium	**250**		4.0	0.64	ug/L		03/11/25 08:35	03/19/25 13:11	1
Thallium	<0.57		2.0	0.57	ug/L		03/11/25 08:35	03/18/25 14:59	1
Tin	<1.3		5.0	1.3	ug/L		03/11/25 08:35	03/19/25 13:11	1
Vanadium	<2.2		5.0	2.2	ug/L		03/11/25 08:35	03/19/25 13:11	1
Zinc	<6.9		20	6.9	ug/L		03/11/25 08:35	03/18/25 14:59	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**81**		0.91	0.46	mg/L		03/11/25 08:35	03/19/25 10:54	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	<0.45		1.0	0.45	mg/L			03/13/25 12:23	1
Nitrate as N (EPA 300.0)	<0.37	H	1.0	0.37	mg/L			03/05/25 14:22	1
Chloride (EPA 300.0)	**5.5**		1.0	0.42	mg/L			03/13/25 12:23	1
Nitrite as N (EPA 300.0)	<0.25	H	1.0	0.25	mg/L			03/05/25 14:22	1
Fluoride (EPA 300.0)	**0.77**	**J**	1.0	0.43	mg/L			03/13/25 12:23	1
Nitrate Nitrite as N (EPA 300.0)	<0.37	H	1.0	0.37	mg/L			03/05/25 14:22	1
Sulfate (EPA 300.0)	**14**		1.0	0.47	mg/L			03/13/25 12:23	1
Cyanide, Total (EPA 335.4)	<0.0036		0.0050	0.0036	mg/L		03/06/25 15:08	03/06/25 16:35	1
Ammonia (EPA 350.1)	<0.10		0.20	0.10	mg/L		03/18/25 13:50	03/19/25 15:58	1
Phosphorus as P (EPA 365.1)	**0.091**		0.050	0.024	mg/L		03/11/25 07:30	03/13/25 11:12	1
Alkalinity (SM 2320B)	**180**		5.0	3.7	mg/L			03/09/25 11:49	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**180**		5.0	3.7	mg/L			03/09/25 11:49	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<3.7		5.0	3.7	mg/L			03/09/25 11:49	1
Salinity (SM 2520B)	<0.33		0.33	0.33	psu			03/24/25 10:59	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264768-1

Client Sample ID: SMW-1_20250303
Date Collected: 03/03/25 14:45
Date Received: 03/05/25 10:40

Lab Sample ID: 500-264768-3
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	200		10	4.3	mg/L			03/10/25 02:53	1
Total Suspended Solids (SM 2540D)	16		5.0	1.9	mg/L			03/07/25 15:25	1
Sulfide (SM 4500 S2 F)	2.2	J B	2.5	0.58	mg/L			03/06/25 14:07	1
Total Organic Carbon (SM 5310C)	0.67	J	1.0	0.47	mg/L			03/12/25 23:37	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon (SM 5310C)	2.7		1.0	0.47	mg/L			03/13/25 10:55	1

Client Sample Results

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264768-1

Client Sample ID: SMW-1_20250303_FBLL
Date Collected: 03/03/25 14:45
Date Received: 03/05/25 10:40

Lab Sample ID: 500-264768-4
Matrix: Water

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			03/07/25 16:34	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264768-1

Client Sample ID: SMW-1SB_20250303

Date Collected: 03/03/25 16:10
Date Received: 03/05/25 10:40

Lab Sample ID: 500-264768-5

Matrix: Water

Method: EPA 1630 - Methyl Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		03/20/25 12:01	03/21/25 02:38	1

Method: EPA 1630 - Methyl Mercury - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		03/20/25 12:01	03/21/25 02:48	1

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**1.5**		0.50	0.20	ng/L			03/07/25 16:38	1

Method: EPA 1631E - Mercury, Low Level (CVAFS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.78**		0.50	0.20	ng/L			03/07/25 16:42	1

Method: EPA 1638 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.87**		0.050	0.0098	ug/L		03/14/25 11:45	03/15/25 01:33	1

Method: EPA 1638 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.75**		0.050	0.0098	ug/L		03/14/25 11:45	03/14/25 23:34	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**940**		100	25	ug/L		03/11/25 08:35	03/18/25 14:16	1
Antimony	<1.3		3.0	1.3	ug/L		03/11/25 08:35	03/18/25 14:16	1
Arsenic	**3.4**		1.0	0.23	ug/L		03/11/25 08:35	03/18/25 14:16	1
Barium	**14**		2.5	0.73	ug/L		03/11/25 08:35	03/18/25 14:16	1
Beryllium	<0.53		1.0	0.53	ug/L		03/11/25 08:35	03/18/25 14:16	1
Boron	**6500**		250	64	ug/L		03/11/25 08:35	03/19/25 12:37	5
Cadmium	<0.17		0.50	0.17	ug/L		03/11/25 08:35	03/18/25 14:16	1
Calcium	**2700**		200	44	ug/L		03/11/25 08:35	03/18/25 14:16	1
Chromium	**1.6**	J	5.0	1.1	ug/L		03/11/25 08:35	03/18/25 14:16	1
Cobalt	<0.40		1.0	0.40	ug/L		03/11/25 08:35	03/18/25 14:16	1
Copper	**8.6**		2.0	0.50	ug/L		03/11/25 08:35	03/18/25 14:16	1
Iron	**700**		100	47	ug/L		03/11/25 08:35	03/18/25 14:16	1
Lead	**0.58**		0.50	0.19	ug/L		03/11/25 08:35	03/18/25 14:16	1
Lithium	**17**		10	2.5	ug/L		03/11/25 08:35	03/18/25 14:16	1
Magnesium	**560**		200	49	ug/L		03/11/25 08:35	03/18/25 14:16	1
Manganese	**14**		2.5	0.79	ug/L		03/11/25 08:35	03/18/25 14:16	1
Molybdenum	**7.0**		5.0	2.5	ug/L		03/11/25 08:35	03/18/25 14:16	1
Nickel	**1.3**	J	2.0	0.63	ug/L		03/11/25 08:35	03/18/25 14:16	1
Potassium	**1600**		500	110	ug/L		03/11/25 08:35	03/18/25 14:16	1
Selenium	**1.3**	J	2.5	0.98	ug/L		03/11/25 08:35	03/18/25 14:16	1
Silver	<0.12		0.50	0.12	ug/L		03/11/25 08:35	03/18/25 14:16	1
Sodium	**92000**		200	77	ug/L		03/11/25 08:35	03/18/25 14:16	1
Strontium	**22**		4.0	0.64	ug/L		03/11/25 08:35	03/18/25 14:16	1
Thallium	<0.57		2.0	0.57	ug/L		03/11/25 08:35	03/18/25 14:16	1
Tin	<1.3		5.0	1.3	ug/L		03/11/25 08:35	03/18/25 14:16	1
Vanadium	**6.8**		5.0	2.2	ug/L		03/11/25 08:35	03/18/25 14:16	1
Zinc	**8.9**	J	20	6.9	ug/L		03/11/25 08:35	03/18/25 14:16	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264768-1

Client Sample ID: SMW-1SB_20250303

Date Collected: 03/03/25 16:10
Date Received: 03/05/25 10:40

Lab Sample ID: 500-264768-5

Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<25		100	25	ug/L		03/11/25 08:35	03/18/25 15:02	1
Antimony	<1.3		3.0	1.3	ug/L		03/11/25 08:35	03/18/25 15:02	1
Arsenic	**3.0**		1.0	0.23	ug/L		03/11/25 08:35	03/18/25 15:02	1
Barium	**8.2**		2.5	0.73	ug/L		03/11/25 08:35	03/18/25 15:02	1
Beryllium	<0.53		1.0	0.53	ug/L		03/11/25 08:35	03/19/25 13:13	1
Boron	**6600**		250	64	ug/L		03/11/25 08:35	03/19/25 12:39	5
Cadmium	<0.17		0.50	0.17	ug/L		03/11/25 08:35	03/18/25 15:02	1
Calcium	**2100**		200	44	ug/L		03/11/25 08:35	03/18/25 15:02	1
Chromium	<1.1		5.0	1.1	ug/L		03/11/25 08:35	03/18/25 15:02	1
Cobalt	<0.40		1.0	0.40	ug/L		03/11/25 08:35	03/18/25 15:02	1
Copper	**1.3**	**J**	2.0	0.50	ug/L		03/11/25 08:35	03/18/25 15:02	1
Iron	<47		100	47	ug/L		03/11/25 08:35	03/18/25 15:02	1
Lead	<0.19		0.50	0.19	ug/L		03/11/25 08:35	03/18/25 15:02	1
Lithium	**17**		10	2.5	ug/L		03/11/25 08:35	03/19/25 13:13	1
Magnesium	**230**		200	49	ug/L		03/11/25 08:35	03/18/25 15:02	1
Manganese	**2.6**		2.5	0.79	ug/L		03/11/25 08:35	03/18/25 15:02	1
Molybdenum	**7.3**		5.0	2.5	ug/L		03/11/25 08:35	03/19/25 13:13	1
Nickel	<0.63		2.0	0.63	ug/L		03/11/25 08:35	03/18/25 15:02	1
Potassium	**1300**		500	110	ug/L		03/11/25 08:35	03/18/25 15:02	1
Selenium	<0.98		2.5	0.98	ug/L		03/11/25 08:35	03/18/25 15:02	1
Silver	<0.12		0.50	0.12	ug/L		03/11/25 08:35	03/18/25 15:02	1
Sodium	**85000**		200	77	ug/L		03/11/25 08:35	03/18/25 15:02	1
Strontium	**20**		4.0	0.64	ug/L		03/11/25 08:35	03/19/25 13:13	1
Thallium	<0.57		2.0	0.57	ug/L		03/11/25 08:35	03/18/25 15:02	1
Tin	<1.3		5.0	1.3	ug/L		03/11/25 08:35	03/19/25 13:13	1
Vanadium	**5.2**		5.0	2.2	ug/L		03/11/25 08:35	03/19/25 13:13	1
Zinc	<6.9		20	6.9	ug/L		03/11/25 08:35	03/18/25 15:02	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**9.0**		0.91	0.46	mg/L		03/11/25 08:35	03/19/25 10:54	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	<0.45		1.0	0.45	mg/L			03/13/25 13:10	1
Nitrate as N (EPA 300.0)	<0.37		1.0	0.37	mg/L			03/05/25 14:37	1
Chloride (EPA 300.0)	**15**		1.0	0.42	mg/L			03/13/25 13:10	1
Nitrite as N (EPA 300.0)	<0.25		1.0	0.25	mg/L			03/05/25 14:37	1
Fluoride (EPA 300.0)	**5.4**		1.0	0.43	mg/L			03/13/25 13:10	1
Nitrate Nitrite as N (EPA 300.0)	<0.37		1.0	0.37	mg/L			03/05/25 14:37	1
Sulfate (EPA 300.0)	**14**		1.0	0.47	mg/L			03/13/25 13:10	1
Cyanide, Total (EPA 335.4)	<0.0036		0.0050	0.0036	mg/L		03/06/25 15:08	03/06/25 16:36	1
Ammonia (EPA 350.1)	<0.10		0.20	0.10	mg/L		03/18/25 13:50	03/19/25 15:59	1
Phosphorus as P (EPA 365.1)	**0.18**		0.050	0.024	mg/L		03/11/25 07:30	03/13/25 11:13	1
Alkalinity (SM 2320B)	**160**		5.0	3.7	mg/L			03/09/25 11:59	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**120**		5.0	3.7	mg/L			03/09/25 11:59	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	**34**		5.0	3.7	mg/L			03/09/25 11:59	1
Salinity (SM 2520B)	<0.33		0.33	0.33	psu			03/24/25 10:59	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264768-1

Client Sample ID: SMW-1SB_20250303
Date Collected: 03/03/25 16:10
Date Received: 03/05/25 10:40

Lab Sample ID: 500-264768-5
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	210		10	4.3	mg/L			03/10/25 02:58	1
Total Suspended Solids (SM 2540D)	8.0		5.0	1.9	mg/L			03/07/25 15:27	1
Sulfide (SM 4500 S2 F)	6.0	B	1.0	0.23	mg/L			03/06/25 14:11	1
Total Organic Carbon (SM 5310C)	1.5		1.0	0.47	mg/L			03/13/25 01:14	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon (SM 5310C)	3.2		1.0	0.47	mg/L			03/13/25 11:27	1

Client Sample Results

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264768-1

Client Sample ID: SMW-1SB_20250303_FBLL

Lab Sample ID: 500-264768-6

Date Collected: 03/03/25 16:10
Matrix: Water
Date Received: 03/05/25 10:40

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			03/07/25 16:46	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264768-1

Client Sample ID: NB2-3_20250303

Date Collected: 03/03/25 12:35
Date Received: 03/05/25 10:40

Lab Sample ID: 500-264768-7

Matrix: Water

Method: EPA 1630 - Methyl Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		03/20/25 12:01	03/21/25 02:58	1

Method: EPA 1630 - Methyl Mercury - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		03/20/25 12:01	03/21/25 03:09	1

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.36**	**J**	0.50	0.20	ng/L			03/07/25 16:50	1

Method: EPA 1631E - Mercury, Low Level (CVAFS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			03/07/25 17:03	1

Method: EPA 1638 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.024**	**J**	0.050	0.0098	ug/L		03/14/25 11:45	03/15/25 01:36	1

Method: EPA 1638 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.014**	**J**	0.050	0.0098	ug/L		03/14/25 11:45	03/14/25 23:37	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**42**	**J**	100	25	ug/L		03/11/25 08:35	03/18/25 14:23	1
Antimony	<1.3		3.0	1.3	ug/L		03/11/25 08:35	03/18/25 14:23	1
Arsenic	**7.9**		1.0	0.23	ug/L		03/11/25 08:35	03/18/25 14:23	1
Barium	**160**		2.5	0.73	ug/L		03/11/25 08:35	03/18/25 14:23	1
Beryllium	<0.53		1.0	0.53	ug/L		03/11/25 08:35	03/18/25 14:23	1
Boron	**1800**		50	13	ug/L		03/11/25 08:35	03/18/25 14:23	1
Cadmium	<0.17		0.50	0.17	ug/L		03/11/25 08:35	03/18/25 14:23	1
Calcium	**18000**		200	44	ug/L		03/11/25 08:35	03/18/25 14:23	1
Chromium	<1.1		5.0	1.1	ug/L		03/11/25 08:35	03/18/25 14:23	1
Cobalt	<0.40		1.0	0.40	ug/L		03/11/25 08:35	03/18/25 14:23	1
Copper	**2.5**		2.0	0.50	ug/L		03/11/25 08:35	03/18/25 14:23	1
Iron	**820**		100	47	ug/L		03/11/25 08:35	03/18/25 14:23	1
Lead	<0.19		0.50	0.19	ug/L		03/11/25 08:35	03/18/25 14:23	1
Lithium	**8.1**	**J**	10	2.5	ug/L		03/11/25 08:35	03/18/25 14:23	1
Magnesium	**1900**		200	49	ug/L		03/11/25 08:35	03/18/25 14:23	1
Manganese	**100**		2.5	0.79	ug/L		03/11/25 08:35	03/18/25 14:23	1
Molybdenum	**130**		5.0	2.5	ug/L		03/11/25 08:35	03/18/25 14:23	1
Nickel	**0.78**	**J**	2.0	0.63	ug/L		03/11/25 08:35	03/18/25 14:23	1
Potassium	**8200**		500	110	ug/L		03/11/25 08:35	03/18/25 14:23	1
Selenium	<0.98		2.5	0.98	ug/L		03/11/25 08:35	03/18/25 14:23	1
Silver	<0.12		0.50	0.12	ug/L		03/11/25 08:35	03/18/25 14:23	1
Sodium	**200000**		200	77	ug/L		03/11/25 08:35	03/18/25 14:23	1
Strontium	**230**		4.0	0.64	ug/L		03/11/25 08:35	03/18/25 14:23	1
Thallium	<0.57		2.0	0.57	ug/L		03/11/25 08:35	03/18/25 14:23	1
Tin	<1.3		5.0	1.3	ug/L		03/11/25 08:35	03/18/25 14:23	1
Vanadium	<2.2		5.0	2.2	ug/L		03/11/25 08:35	03/18/25 14:23	1
Zinc	<6.9		20	6.9	ug/L		03/11/25 08:35	03/18/25 14:23	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264768-1

Client Sample ID: NB2-3_20250303

Date Collected: 03/03/25 12:35
Date Received: 03/05/25 10:40

Lab Sample ID: 500-264768-7

Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<25		100	25	ug/L		03/11/25 08:35	03/18/25 15:24	1
Antimony	<1.3		3.0	1.3	ug/L		03/11/25 08:35	03/18/25 15:24	1
Arsenic	**6.3**		1.0	0.23	ug/L		03/11/25 08:35	03/18/25 15:24	1
Barium	**140**		2.5	0.73	ug/L		03/11/25 08:35	03/18/25 15:24	1
Beryllium	<0.53		1.0	0.53	ug/L		03/11/25 08:35	03/19/25 13:28	1
Boron	**1700**		50	13	ug/L		03/11/25 08:35	03/18/25 15:24	1
Cadmium	<0.17		0.50	0.17	ug/L		03/11/25 08:35	03/18/25 15:24	1
Calcium	**17000**		200	44	ug/L		03/11/25 08:35	03/18/25 15:24	1
Chromium	<1.1		5.0	1.1	ug/L		03/11/25 08:35	03/18/25 15:24	1
Cobalt	<0.40		1.0	0.40	ug/L		03/11/25 08:35	03/18/25 15:24	1
Copper	<0.50		2.0	0.50	ug/L		03/11/25 08:35	03/18/25 15:24	1
Iron	**170**		100	47	ug/L		03/11/25 08:35	03/18/25 15:24	1
Lead	<0.19		0.50	0.19	ug/L		03/11/25 08:35	03/18/25 15:24	1
Lithium	**8.2**	**J**	10	2.5	ug/L		03/11/25 08:35	03/19/25 13:28	1
Magnesium	**1800**		200	49	ug/L		03/11/25 08:35	03/18/25 15:24	1
Manganese	**82**		2.5	0.79	ug/L		03/11/25 08:35	03/18/25 15:24	1
Molybdenum	**130**		5.0	2.5	ug/L		03/11/25 08:35	03/19/25 13:28	1
Nickel	<0.63		2.0	0.63	ug/L		03/11/25 08:35	03/18/25 15:24	1
Potassium	**7500**		500	110	ug/L		03/11/25 08:35	03/18/25 15:24	1
Selenium	<0.98		2.5	0.98	ug/L		03/11/25 08:35	03/18/25 15:24	1
Silver	<0.12		0.50	0.12	ug/L		03/11/25 08:35	03/18/25 15:24	1
Sodium	**190000**		200	77	ug/L		03/11/25 08:35	03/18/25 15:24	1
Strontium	**230**		4.0	0.64	ug/L		03/11/25 08:35	03/19/25 13:28	1
Thallium	<0.57		2.0	0.57	ug/L		03/11/25 08:35	03/18/25 15:24	1
Tin	<1.3		5.0	1.3	ug/L		03/11/25 08:35	03/19/25 13:28	1
Vanadium	<2.2		5.0	2.2	ug/L		03/11/25 08:35	03/19/25 13:28	1
Zinc	<6.9		20	6.9	ug/L		03/11/25 08:35	03/18/25 15:24	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**53**		0.91	0.46	mg/L		03/11/25 08:35	03/19/25 10:54	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	**2.4**		1.0	0.45	mg/L			03/13/25 13:26	1
Nitrate as N (EPA 300.0)	<0.37	H	1.0	0.37	mg/L			03/05/25 14:53	1
Chloride (EPA 300.0)	**240**		10	4.2	mg/L			03/13/25 13:41	10
Nitrite as N (EPA 300.0)	<0.25	H	1.0	0.25	mg/L			03/05/25 14:53	1
Fluoride (EPA 300.0)	**0.45**	**J**	1.0	0.43	mg/L			03/13/25 13:26	1
Nitrate Nitrite as N (EPA 300.0)	<0.37	H	1.0	0.37	mg/L			03/05/25 14:53	1
Sulfate (EPA 300.0)	<0.47		1.0	0.47	mg/L			03/13/25 13:26	1
Cyanide, Total (EPA 335.4)	<0.0036		0.0050	0.0036	mg/L		03/06/25 15:08	03/06/25 16:37	1
Ammonia (EPA 350.1)	**0.21**		0.20	0.10	mg/L		03/20/25 14:21	03/21/25 17:18	1
Phosphorus as P (EPA 365.1)	**0.21**		0.050	0.024	mg/L		03/11/25 07:30	03/13/25 11:16	1
Alkalinity (SM 2320B)	**170**		5.0	3.7	mg/L			03/09/25 12:09	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**170**		5.0	3.7	mg/L			03/09/25 12:09	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<3.7		5.0	3.7	mg/L			03/09/25 12:09	1
Salinity (SM 2520B)	**0.40**		0.33	0.33	psu			03/24/25 10:59	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264768-1

Client Sample ID: NB2-3_20250303
Date Collected: 03/03/25 12:35
Date Received: 03/05/25 10:40

Lab Sample ID: 500-264768-7
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	590		10	4.3	mg/L			03/10/25 03:01	1
Total Suspended Solids (SM 2540D)	9.8		6.3	2.4	mg/L			03/07/25 15:29	1
Sulfide (SM 4500 S2 F)	7.3	B	1.0	0.23	mg/L			03/06/25 14:15	1
Total Organic Carbon (SM 5310C)	4.3		1.0	0.47	mg/L			03/13/25 01:46	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon (SM 5310C)	4.1		1.0	0.47	mg/L			03/13/25 12:00	1

Client Sample Results

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264768-1

Client Sample ID: NB2-3_20250303_FBLL
Date Collected: 03/03/25 12:35
Date Received: 03/05/25 10:40

Lab Sample ID: 500-264768-8
Matrix: Water

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			03/07/25 17:07	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264768-1

Client Sample ID: EB-01-GW_20250303

Date Collected: 03/03/25 17:30
Date Received: 03/05/25 10:40

Lab Sample ID: 500-264768-9

Matrix: Water

Method: EPA 1630 - Methyl Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		03/19/25 12:53	03/20/25 21:53	1

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			03/07/25 17:11	1

Method: EPA 1638 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	<0.0098		0.050	0.0098	ug/L		03/14/25 11:45	03/15/25 04:42	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<25		100	25	ug/L		03/11/25 08:35	03/18/25 14:30	1
Antimony	<1.3		3.0	1.3	ug/L		03/11/25 08:35	03/18/25 14:30	1
Arsenic	<0.23		1.0	0.23	ug/L		03/11/25 08:35	03/18/25 14:30	1
Barium	<0.73		2.5	0.73	ug/L		03/11/25 08:35	03/18/25 14:30	1
Beryllium	<0.53		1.0	0.53	ug/L		03/11/25 08:35	03/19/25 12:42	1
Boron	**13**	**J**	50	13	ug/L		03/11/25 08:35	03/18/25 14:30	1
Cadmium	<0.17		0.50	0.17	ug/L		03/11/25 08:35	03/18/25 14:30	1
Calcium	<44		200	44	ug/L		03/11/25 08:35	03/18/25 14:30	1
Chromium	<1.1		5.0	1.1	ug/L		03/11/25 08:35	03/18/25 14:30	1
Cobalt	<0.40		1.0	0.40	ug/L		03/11/25 08:35	03/18/25 14:30	1
Copper	<0.50		2.0	0.50	ug/L		03/11/25 08:35	03/18/25 14:30	1
Iron	<47		100	47	ug/L		03/11/25 08:35	03/18/25 14:30	1
Lead	<0.19		0.50	0.19	ug/L		03/11/25 08:35	03/18/25 14:30	1
Lithium	<2.5		10	2.5	ug/L		03/11/25 08:35	03/19/25 12:42	1
Magnesium	<49		200	49	ug/L		03/11/25 08:35	03/18/25 14:30	1
Manganese	<0.79		2.5	0.79	ug/L		03/11/25 08:35	03/18/25 14:30	1
Molybdenum	<2.5		5.0	2.5	ug/L		03/11/25 08:35	03/19/25 12:42	1
Nickel	<0.63		2.0	0.63	ug/L		03/11/25 08:35	03/18/25 14:30	1
Potassium	<110		500	110	ug/L		03/11/25 08:35	03/18/25 14:30	1
Selenium	<0.98		2.5	0.98	ug/L		03/11/25 08:35	03/18/25 14:30	1
Silver	<0.12		0.50	0.12	ug/L		03/11/25 08:35	03/18/25 14:30	1
Sodium	<77		200	77	ug/L		03/11/25 08:35	03/18/25 14:30	1
Strontium	<0.64		4.0	0.64	ug/L		03/11/25 08:35	03/19/25 12:42	1
Thallium	<0.57		2.0	0.57	ug/L		03/11/25 08:35	03/18/25 14:30	1
Tin	<1.3		5.0	1.3	ug/L		03/11/25 08:35	03/19/25 12:42	1
Vanadium	<2.2		5.0	2.2	ug/L		03/11/25 08:35	03/19/25 12:42	1
Zinc	<6.9		20	6.9	ug/L		03/11/25 08:35	03/18/25 14:30	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	<0.46		0.91	0.46	mg/L		03/11/25 08:35	03/19/25 10:54	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	<0.45		1.0	0.45	mg/L			03/13/25 13:57	1
Nitrate as N (EPA 300.0)	<0.37		1.0	0.37	mg/L			03/05/25 15:08	1
Chloride (EPA 300.0)	<0.42		1.0	0.42	mg/L			03/13/25 13:57	1
Nitrite as N (EPA 300.0)	<0.25		1.0	0.25	mg/L			03/05/25 15:08	1
Fluoride (EPA 300.0)	<0.43		1.0	0.43	mg/L			03/13/25 13:57	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264768-1

Client Sample ID: EB-01-GW_20250303
Date Collected: 03/03/25 17:30
Date Received: 03/05/25 10:40

Lab Sample ID: 500-264768-9
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N (EPA 300.0)	<0.37		1.0	0.37	mg/L			03/05/25 15:08	1
Sulfate (EPA 300.0)	<0.47		1.0	0.47	mg/L			03/13/25 13:57	1
Cyanide, Total (EPA 335.4)	<0.0036		0.0050	0.0036	mg/L		03/06/25 15:08	03/06/25 16:38	1
Ammonia (EPA 350.1)	<0.10		0.20	0.10	mg/L		03/20/25 14:21	03/21/25 17:19	1
Phosphorus as P (EPA 365.1)	<0.024		0.050	0.024	mg/L		03/11/25 07:30	03/13/25 11:17	1
Alkalinity (SM 2320B)	<3.7		5.0	3.7	mg/L			03/09/25 12:18	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	<3.7		5.0	3.7	mg/L			03/09/25 12:18	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<3.7		5.0	3.7	mg/L			03/09/25 12:18	1
Salinity (SM 2520B)	<0.33		0.33	0.33	psu			03/24/25 10:59	1
Total Dissolved Solids (SM 2540C)	**12**		10	4.3	mg/L			03/10/25 03:04	1
Total Suspended Solids (SM 2540D)	<1.9		5.0	1.9	mg/L			03/07/25 15:31	1
Sulfide (SM 4500 S2 F)	**1.4**	**B**	1.0	0.23	mg/L			03/06/25 14:18	1
Total Organic Carbon (SM 5310C)	<0.47		1.0	0.47	mg/L			03/13/25 02:18	1

Client Sample Results

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264768-1

Client Sample ID: EB-01-GW_20250303_FBLL
Date Collected: 03/03/25 17:30
Date Received: 03/05/25 10:40

Lab Sample ID: 500-264768-10
Matrix: Water

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			03/10/25 18:03	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264768-1

Client Sample ID: LKS-02_20250303

Date Collected: 03/03/25 10:30
Date Received: 03/05/25 10:40

Lab Sample ID: 500-264768-11

Matrix: Water

Method: EPA 1630 - Methyl Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	**0.037**	**J B**	0.050	0.022	ng/L		03/20/25 12:01	03/21/25 03:19	1

Method: EPA 1630 - Methyl Mercury - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	**0.024**	**J B**	0.050	0.022	ng/L		03/20/25 12:01	03/21/25 03:29	1

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**5.0**		0.50	0.20	ng/L			03/10/25 18:07	1

Method: EPA 1631E - Mercury, Low Level (CVAFS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**4.0**		0.50	0.20	ng/L			03/10/25 18:11	1

Method: EPA 1638 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.063**		0.050	0.0098	ug/L		03/14/25 11:45	03/15/25 01:40	1

Method: EPA 1638 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.048**	**J**	0.050	0.0098	ug/L		03/14/25 11:45	03/14/25 23:41	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**410**		100	25	ug/L		03/11/25 08:35	03/18/25 14:33	1
Antimony	<1.3		3.0	1.3	ug/L		03/11/25 08:35	03/18/25 14:33	1
Arsenic	**0.44**	**J**	1.0	0.23	ug/L		03/11/25 08:35	03/18/25 14:33	1
Barium	**29**		2.5	0.73	ug/L		03/11/25 08:35	03/18/25 14:33	1
Beryllium	<0.53		1.0	0.53	ug/L		03/11/25 08:35	03/19/25 12:44	1
Boron	**37**	**J**	50	13	ug/L		03/11/25 08:35	03/18/25 14:33	1
Cadmium	<0.17		0.50	0.17	ug/L		03/11/25 08:35	03/18/25 14:33	1
Calcium	**16000**		200	44	ug/L		03/11/25 08:35	03/18/25 14:33	1
Chromium	<1.1		5.0	1.1	ug/L		03/11/25 08:35	03/18/25 14:33	1
Cobalt	<0.40		1.0	0.40	ug/L		03/11/25 08:35	03/18/25 14:33	1
Copper	**13**		2.0	0.50	ug/L		03/11/25 08:35	03/18/25 14:33	1
Iron	**770**		100	47	ug/L		03/11/25 08:35	03/18/25 14:33	1
Lead	**0.27**	**J**	0.50	0.19	ug/L		03/11/25 08:35	03/18/25 14:33	1
Lithium	<2.5		10	2.5	ug/L		03/11/25 08:35	03/19/25 12:44	1
Magnesium	**3600**		200	49	ug/L		03/11/25 08:35	03/18/25 14:33	1
Manganese	**24**		2.5	0.79	ug/L		03/11/25 08:35	03/18/25 14:33	1
Molybdenum	<2.5		5.0	2.5	ug/L		03/11/25 08:35	03/19/25 12:44	1
Nickel	**0.68**	**J**	2.0	0.63	ug/L		03/11/25 08:35	03/18/25 14:33	1
Potassium	**860**		500	110	ug/L		03/11/25 08:35	03/18/25 14:33	1
Selenium	<0.98		2.5	0.98	ug/L		03/11/25 08:35	03/18/25 14:33	1
Silver	<0.12		0.50	0.12	ug/L		03/11/25 08:35	03/18/25 14:33	1
Sodium	**8700**		200	77	ug/L		03/11/25 08:35	03/18/25 14:33	1
Strontium	**61**		4.0	0.64	ug/L		03/11/25 08:35	03/19/25 12:44	1
Thallium	<0.57		2.0	0.57	ug/L		03/11/25 08:35	03/18/25 14:33	1
Tin	<1.3		5.0	1.3	ug/L		03/11/25 08:35	03/19/25 12:44	1
Vanadium	<2.2		5.0	2.2	ug/L		03/11/25 08:35	03/19/25 12:44	1
Zinc	<6.9		20	6.9	ug/L		03/11/25 08:35	03/18/25 14:33	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264768-1

Client Sample ID: LKS-02_20250303

Date Collected: 03/03/25 10:30
Date Received: 03/05/25 10:40

Lab Sample ID: 500-264768-11

Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**110**		100	25	ug/L		03/11/25 08:35	03/18/25 15:26	1
Antimony	<1.3		3.0	1.3	ug/L		03/11/25 08:35	03/18/25 15:26	1
Arsenic	**0.35**	**J**	1.0	0.23	ug/L		03/11/25 08:35	03/18/25 15:26	1
Barium	**23**		2.5	0.73	ug/L		03/11/25 08:35	03/18/25 15:26	1
Beryllium	<0.53		1.0	0.53	ug/L		03/11/25 08:35	03/19/25 13:30	1
Boron	**61**		50	13	ug/L		03/11/25 08:35	03/18/25 15:26	1
Cadmium	<0.17		0.50	0.17	ug/L		03/11/25 08:35	03/18/25 15:26	1
Calcium	**15000**		200	44	ug/L		03/11/25 08:35	03/18/25 15:26	1
Chromium	<1.1		5.0	1.1	ug/L		03/11/25 08:35	03/18/25 15:26	1
Cobalt	<0.40		1.0	0.40	ug/L		03/11/25 08:35	03/18/25 15:26	1
Copper	**15**		2.0	0.50	ug/L		03/11/25 08:35	03/18/25 15:26	1
Iron	**350**		100	47	ug/L		03/11/25 08:35	03/18/25 15:26	1
Lead	<0.19		0.50	0.19	ug/L		03/11/25 08:35	03/18/25 15:26	1
Lithium	<2.5		10	2.5	ug/L		03/11/25 08:35	03/19/25 13:30	1
Magnesium	**3200**		200	49	ug/L		03/11/25 08:35	03/18/25 15:26	1
Manganese	**18**		2.5	0.79	ug/L		03/11/25 08:35	03/18/25 15:26	1
Molybdenum	<2.5		5.0	2.5	ug/L		03/11/25 08:35	03/19/25 13:30	1
Nickel	<0.63		2.0	0.63	ug/L		03/11/25 08:35	03/18/25 15:26	1
Potassium	**740**		500	110	ug/L		03/11/25 08:35	03/18/25 15:26	1
Selenium	<0.98		2.5	0.98	ug/L		03/11/25 08:35	03/18/25 15:26	1
Silver	<0.12		0.50	0.12	ug/L		03/11/25 08:35	03/18/25 15:26	1
Sodium	**8100**		200	77	ug/L		03/11/25 08:35	03/18/25 15:26	1
Strontium	**60**		4.0	0.64	ug/L		03/11/25 08:35	03/19/25 13:30	1
Thallium	<0.57		2.0	0.57	ug/L		03/11/25 08:35	03/18/25 15:26	1
Tin	<1.3		5.0	1.3	ug/L		03/11/25 08:35	03/19/25 13:30	1
Vanadium	<2.2		5.0	2.2	ug/L		03/11/25 08:35	03/19/25 13:30	1
Zinc	<6.9		20	6.9	ug/L		03/11/25 08:35	03/18/25 15:26	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**55**		0.91	0.46	mg/L		03/11/25 08:35	03/19/25 10:54	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	<0.45		1.0	0.45	mg/L			03/13/25 14:12	1
Nitrate as N (EPA 300.0)	<0.37	H3	1.0	0.37	mg/L			03/05/25 15:24	1
Chloride (EPA 300.0)	**28**		1.0	0.42	mg/L			03/13/25 14:12	1
Nitrite as N (EPA 300.0)	<0.25	H3	1.0	0.25	mg/L			03/05/25 15:24	1
Fluoride (EPA 300.0)	<0.43		1.0	0.43	mg/L			03/13/25 14:12	1
Nitrate Nitrite as N (EPA 300.0)	<0.37	H3	1.0	0.37	mg/L			03/05/25 15:24	1
Sulfate (EPA 300.0)	**3.1**		1.0	0.47	mg/L			03/13/25 14:12	1
Cyanide, Total (EPA 335.4)	**0.0060**		0.0050	0.0036	mg/L		03/06/25 15:08	03/06/25 16:38	1
Ammonia (EPA 350.1)	<0.10		0.20	0.10	mg/L		03/20/25 14:21	03/21/25 17:19	1
Phosphorus as P (EPA 365.1)	**0.027**	**J**	0.050	0.024	mg/L		03/11/25 07:30	03/13/25 11:18	1
Alkalinity (SM 2320B)	**26**		5.0	3.7	mg/L			03/09/25 12:22	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**26**		5.0	3.7	mg/L			03/09/25 12:22	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<3.7		5.0	3.7	mg/L			03/09/25 12:22	1
Salinity (SM 2520B)	<0.33		0.33	0.33	psu			03/24/25 10:59	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264768-1

Client Sample ID: LKS-02_20250303
Date Collected: 03/03/25 10:30
Date Received: 03/05/25 10:40

Lab Sample ID: 500-264768-11
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	96		10	4.3	mg/L			03/10/25 03:06	1
Total Suspended Solids (SM 2540D)	2.2	J	5.0	1.9	mg/L			03/07/25 15:33	1
Sulfide (SM 4500 S2 F)	2.1	J B	2.5	0.58	mg/L			03/06/25 14:22	1
Total Organic Carbon (SM 5310C)	13		1.0	0.47	mg/L			03/13/25 02:51	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon (SM 5310C)	13		1.0	0.47	mg/L			03/13/25 12:32	1

Client Sample Results

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264768-1

Client Sample ID: LKS-02_20250303_FBLL
Date Collected: 03/03/25 10:30
Date Received: 03/05/25 10:40

Lab Sample ID: 500-264768-12
Matrix: Water

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			03/10/25 18:15	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264768-1

Client Sample ID: MLC-01_20250303

Date Collected: 03/03/25 13:00
Date Received: 03/05/25 10:40

Lab Sample ID: 500-264768-13

Matrix: Water

Method: EPA 1630 - Methyl Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		03/20/25 12:01	03/21/25 03:39	1

Method: EPA 1630 - Methyl Mercury - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		03/20/25 12:01	03/21/25 03:49	1

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**9.8**		0.50	0.20	ng/L			03/10/25 18:20	1

Method: EPA 1631E - Mercury, Low Level (CVAFS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**4.6**		0.50	0.20	ng/L			03/10/25 18:24	1

Method: EPA 1638 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.36**		0.050	0.0098	ug/L		03/14/25 11:45	03/15/25 01:43	1

Method: EPA 1638 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.19**		0.050	0.0098	ug/L		03/14/25 11:45	03/14/25 23:44	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**3500**		100	25	ug/L		03/11/25 08:35	03/18/25 14:35	1
Antimony	<1.3		3.0	1.3	ug/L		03/11/25 08:35	03/18/25 14:35	1
Arsenic	**0.45**	**J**	1.0	0.23	ug/L		03/11/25 08:35	03/18/25 14:35	1
Barium	**80**		2.5	0.73	ug/L		03/11/25 08:35	03/18/25 14:35	1
Beryllium	<0.53		1.0	0.53	ug/L		03/11/25 08:35	03/19/25 12:46	1
Boron	**36**	**J**	50	13	ug/L		03/11/25 08:35	03/18/25 14:35	1
Cadmium	<0.17		0.50	0.17	ug/L		03/11/25 08:35	03/18/25 14:35	1
Calcium	**20000**		200	44	ug/L		03/11/25 08:35	03/18/25 14:35	1
Chromium	**3.4**	**J**	5.0	1.1	ug/L		03/11/25 08:35	03/18/25 14:35	1
Cobalt	**0.80**	**J**	1.0	0.40	ug/L		03/11/25 08:35	03/18/25 14:35	1
Copper	**17**		2.0	0.50	ug/L		03/11/25 08:35	03/18/25 14:35	1
Iron	**2100**		100	47	ug/L		03/11/25 08:35	03/18/25 14:35	1
Lead	**1.3**		0.50	0.19	ug/L		03/11/25 08:35	03/18/25 14:35	1
Lithium	**4.2**	**J**	10	2.5	ug/L		03/11/25 08:35	03/19/25 12:46	1
Magnesium	**5200**		200	49	ug/L		03/11/25 08:35	03/18/25 14:35	1
Manganese	**31**		2.5	0.79	ug/L		03/11/25 08:35	03/18/25 14:35	1
Molybdenum	<2.5		5.0	2.5	ug/L		03/11/25 08:35	03/19/25 12:46	1
Nickel	**2.0**		2.0	0.63	ug/L		03/11/25 08:35	03/18/25 14:35	1
Potassium	**1500**		500	110	ug/L		03/11/25 08:35	03/18/25 14:35	1
Selenium	<0.98		2.5	0.98	ug/L		03/11/25 08:35	03/18/25 14:35	1
Silver	<0.12		0.50	0.12	ug/L		03/11/25 08:35	03/18/25 14:35	1
Sodium	**6300**		200	77	ug/L		03/11/25 08:35	03/18/25 14:35	1
Strontium	**110**		4.0	0.64	ug/L		03/11/25 08:35	03/19/25 12:46	1
Thallium	<0.57		2.0	0.57	ug/L		03/11/25 08:35	03/18/25 14:35	1
Tin	<1.3		5.0	1.3	ug/L		03/11/25 08:35	03/19/25 12:46	1
Vanadium	**5.9**		5.0	2.2	ug/L		03/11/25 08:35	03/19/25 12:46	1
Zinc	**8.7**	**J**	20	6.9	ug/L		03/11/25 08:35	03/18/25 14:35	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264768-1

Client Sample ID: MLC-01_20250303

Date Collected: 03/03/25 13:00
Date Received: 03/05/25 10:40

Lab Sample ID: 500-264768-13

Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**110**		100	25	ug/L		03/11/25 08:35	03/18/25 15:29	1
Antimony	<1.3		3.0	1.3	ug/L		03/11/25 08:35	03/18/25 15:29	1
Arsenic	<0.23		1.0	0.23	ug/L		03/11/25 08:35	03/18/25 15:29	1
Barium	**48**		2.5	0.73	ug/L		03/11/25 08:35	03/18/25 15:29	1
Beryllium	<0.53		1.0	0.53	ug/L		03/11/25 08:35	03/19/25 13:32	1
Boron	**44**	**J**	50	13	ug/L		03/11/25 08:35	03/18/25 15:29	1
Cadmium	<0.17		0.50	0.17	ug/L		03/11/25 08:35	03/18/25 15:29	1
Calcium	**18000**		200	44	ug/L		03/11/25 08:35	03/18/25 15:29	1
Chromium	<1.1		5.0	1.1	ug/L		03/11/25 08:35	03/18/25 15:29	1
Cobalt	<0.40		1.0	0.40	ug/L		03/11/25 08:35	03/18/25 15:29	1
Copper	**8.0**		2.0	0.50	ug/L		03/11/25 08:35	03/18/25 15:29	1
Iron	**82**	**J**	100	47	ug/L		03/11/25 08:35	03/18/25 15:29	1
Lead	<0.19		0.50	0.19	ug/L		03/11/25 08:35	03/18/25 15:29	1
Lithium	<2.5		10	2.5	ug/L		03/11/25 08:35	03/19/25 13:32	1
Magnesium	**4300**		200	49	ug/L		03/11/25 08:35	03/18/25 15:29	1
Manganese	**7.3**		2.5	0.79	ug/L		03/11/25 08:35	03/18/25 15:29	1
Molybdenum	<2.5		5.0	2.5	ug/L		03/11/25 08:35	03/19/25 13:32	1
Nickel	<0.63		2.0	0.63	ug/L		03/11/25 08:35	03/18/25 15:29	1
Potassium	**950**		500	110	ug/L		03/11/25 08:35	03/18/25 15:29	1
Selenium	<0.98		2.5	0.98	ug/L		03/11/25 08:35	03/18/25 15:29	1
Silver	<0.12		0.50	0.12	ug/L		03/11/25 08:35	03/18/25 15:29	1
Sodium	**5700**		200	77	ug/L		03/11/25 08:35	03/18/25 15:29	1
Strontium	**110**		4.0	0.64	ug/L		03/11/25 08:35	03/19/25 13:32	1
Thallium	<0.57		2.0	0.57	ug/L		03/11/25 08:35	03/18/25 15:29	1
Tin	<1.3		5.0	1.3	ug/L		03/11/25 08:35	03/19/25 13:32	1
Vanadium	<2.2		5.0	2.2	ug/L		03/11/25 08:35	03/19/25 13:32	1
Zinc	<6.9		20	6.9	ug/L		03/11/25 08:35	03/18/25 15:29	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**72**		0.91	0.46	mg/L		03/11/25 08:35	03/19/25 10:54	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	<0.45		1.0	0.45	mg/L			03/13/25 14:28	1
Nitrate as N (EPA 300.0)	<0.37	H	1.0	0.37	mg/L			03/05/25 15:40	1
Chloride (EPA 300.0)	**29**		1.0	0.42	mg/L			03/13/25 14:28	1
Nitrite as N (EPA 300.0)	<0.25	H	1.0	0.25	mg/L			03/05/25 15:40	1
Fluoride (EPA 300.0)	<0.43		1.0	0.43	mg/L			03/13/25 14:28	1
Nitrate Nitrite as N (EPA 300.0)	<0.37	H	1.0	0.37	mg/L			03/05/25 15:40	1
Sulfate (EPA 300.0)	**2.9**		1.0	0.47	mg/L			03/13/25 14:28	1
Cyanide, Total (EPA 335.4)	<0.0036		0.0050	0.0036	mg/L		03/06/25 15:08	03/06/25 16:41	1
Ammonia (EPA 350.1)	<0.10		0.20	0.10	mg/L		03/20/25 14:21	03/21/25 17:20	1
Phosphorus as P (EPA 365.1)	**0.086**		0.050	0.024	mg/L		03/11/25 07:30	03/13/25 11:19	1
Alkalinity (SM 2320B)	**36**		5.0	3.7	mg/L			03/09/25 12:29	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**36**		5.0	3.7	mg/L			03/09/25 12:29	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<3.7		5.0	3.7	mg/L			03/09/25 12:29	1
Salinity (SM 2520B)	<0.33		0.33	0.33	psu			03/24/25 10:59	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264768-1

Client Sample ID: MLC-01_20250303
Date Collected: 03/03/25 13:00
Date Received: 03/05/25 10:40

Lab Sample ID: 500-264768-13
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	130		10	4.3	mg/L			03/10/25 03:09	1
Total Suspended Solids (SM 2540D)	3.8	J	5.0	1.9	mg/L			03/07/25 15:35	1
Sulfide (SM 4500 S2 F)	1.8	J B	2.5	0.58	mg/L			03/06/25 14:26	1
Total Organic Carbon (SM 5310C)	7.4		1.0	0.47	mg/L			03/13/25 03:23	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon (SM 5310C)	7.3		1.0	0.47	mg/L			03/13/25 14:09	1

Client Sample Results

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264768-1

Client Sample ID: MLC-01_20250303_FBLL
Date Collected: 03/03/25 13:00
Date Received: 03/05/25 10:40

Lab Sample ID: 500-264768-14
Matrix: Water

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			03/10/25 18:36	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264768-1

Client Sample ID: NB1-1_20250303

Date Collected: 03/03/25 09:45
Date Received: 03/05/25 10:40

Lab Sample ID: 500-264768-15

Matrix: Water

Method: EPA 1630 - Methyl Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		03/20/25 12:01	03/21/25 00:36	1

Method: EPA 1630 - Methyl Mercury - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		03/20/25 12:01	03/21/25 00:46	1

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.39**	**J**	0.50	0.20	ng/L			03/10/25 18:40	1

Method: EPA 1631E - Mercury, Low Level (CVAFS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.29**	**J**	0.50	0.20	ng/L			03/10/25 18:45	1

Method: EPA 1638 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.014**	**J**	0.050	0.0098	ug/L		03/14/25 11:45	03/15/25 01:47	1

Method: EPA 1638 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	<0.0098		0.050	0.0098	ug/L		03/14/25 11:45	03/14/25 23:48	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**31**	**J**	100	25	ug/L		03/11/25 08:35	03/18/25 14:38	1
Antimony	<1.3		3.0	1.3	ug/L		03/11/25 08:35	03/18/25 14:38	1
Arsenic	**1.4**		1.0	0.23	ug/L		03/11/25 08:35	03/18/25 14:38	1
Barium	**360**		2.5	0.73	ug/L		03/11/25 08:35	03/18/25 14:38	1
Beryllium	<0.53		1.0	0.53	ug/L		03/11/25 08:35	03/19/25 12:49	1
Boron	**1100**		50	13	ug/L		03/11/25 08:35	03/18/25 14:38	1
Cadmium	<0.17		0.50	0.17	ug/L		03/11/25 08:35	03/18/25 14:38	1
Calcium	**68000**		200	44	ug/L		03/11/25 08:35	03/18/25 14:38	1
Chromium	<1.1		5.0	1.1	ug/L		03/11/25 08:35	03/18/25 14:38	1
Cobalt	<0.40		1.0	0.40	ug/L		03/11/25 08:35	03/18/25 14:38	1
Copper	**1.9**	**J**	2.0	0.50	ug/L		03/11/25 08:35	03/18/25 14:38	1
Iron	**480**		100	47	ug/L		03/11/25 08:35	03/18/25 14:38	1
Lead	<0.19		0.50	0.19	ug/L		03/11/25 08:35	03/18/25 14:38	1
Lithium	**8.1**	**J**	10	2.5	ug/L		03/11/25 08:35	03/19/25 12:49	1
Magnesium	**5700**		200	49	ug/L		03/11/25 08:35	03/18/25 14:38	1
Manganese	**33**		2.5	0.79	ug/L		03/11/25 08:35	03/18/25 14:38	1
Molybdenum	**3.1**	**J**	5.0	2.5	ug/L		03/11/25 08:35	03/19/25 12:49	1
Nickel	<0.63		2.0	0.63	ug/L		03/11/25 08:35	03/18/25 14:38	1
Potassium	**10000**		500	110	ug/L		03/11/25 08:35	03/18/25 14:38	1
Selenium	<0.98		2.5	0.98	ug/L		03/11/25 08:35	03/18/25 14:38	1
Silver	<0.12		0.50	0.12	ug/L		03/11/25 08:35	03/18/25 14:38	1
Sodium	**140000**		200	77	ug/L		03/11/25 08:35	03/18/25 14:38	1
Strontium	**990**		4.0	0.64	ug/L		03/11/25 08:35	03/19/25 12:49	1
Thallium	<0.57		2.0	0.57	ug/L		03/11/25 08:35	03/18/25 14:38	1
Tin	<1.3		5.0	1.3	ug/L		03/11/25 08:35	03/19/25 12:49	1
Vanadium	<2.2		5.0	2.2	ug/L		03/11/25 08:35	03/19/25 12:49	1
Zinc	<6.9		20	6.9	ug/L		03/11/25 08:35	03/18/25 14:38	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264768-1

Client Sample ID: NB1-1_20250303

Date Collected: 03/03/25 09:45
Date Received: 03/05/25 10:40

Lab Sample ID: 500-264768-15

Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<25		100	25	ug/L		03/11/25 08:35	03/18/25 15:31	1
Antimony	<1.3		3.0	1.3	ug/L		03/11/25 08:35	03/18/25 15:31	1
Arsenic	**1.1**		1.0	0.23	ug/L		03/11/25 08:35	03/18/25 15:31	1
Barium	**330**		2.5	0.73	ug/L		03/11/25 08:35	03/18/25 15:31	1
Beryllium	<0.53		1.0	0.53	ug/L		03/11/25 08:35	03/19/25 13:35	1
Boron	**1000**		50	13	ug/L		03/11/25 08:35	03/18/25 15:31	1
Cadmium	<0.17		0.50	0.17	ug/L		03/11/25 08:35	03/18/25 15:31	1
Calcium	**62000**		200	44	ug/L		03/11/25 08:35	03/18/25 15:31	1
Chromium	<1.1		5.0	1.1	ug/L		03/11/25 08:35	03/18/25 15:31	1
Cobalt	<0.40		1.0	0.40	ug/L		03/11/25 08:35	03/18/25 15:31	1
Copper	<0.50		2.0	0.50	ug/L		03/11/25 08:35	03/18/25 15:31	1
Iron	<47		100	47	ug/L		03/11/25 08:35	03/18/25 15:31	1
Lead	<0.19		0.50	0.19	ug/L		03/11/25 08:35	03/18/25 15:31	1
Lithium	**7.5**	**J**	10	2.5	ug/L		03/11/25 08:35	03/19/25 13:35	1
Magnesium	**5000**		200	49	ug/L		03/11/25 08:35	03/18/25 15:31	1
Manganese	**28**		2.5	0.79	ug/L		03/11/25 08:35	03/18/25 15:31	1
Molybdenum	<2.5		5.0	2.5	ug/L		03/11/25 08:35	03/19/25 13:35	1
Nickel	<0.63		2.0	0.63	ug/L		03/11/25 08:35	03/18/25 15:31	1
Potassium	**9300**		500	110	ug/L		03/11/25 08:35	03/18/25 15:31	1
Selenium	<0.98		2.5	0.98	ug/L		03/11/25 08:35	03/18/25 15:31	1
Silver	<0.12		0.50	0.12	ug/L		03/11/25 08:35	03/18/25 15:31	1
Sodium	**130000**		200	77	ug/L		03/11/25 08:35	03/18/25 15:31	1
Strontium	**1000**		4.0	0.64	ug/L		03/11/25 08:35	03/19/25 13:35	1
Thallium	<0.57		2.0	0.57	ug/L		03/11/25 08:35	03/18/25 15:31	1
Tin	<1.3		5.0	1.3	ug/L		03/11/25 08:35	03/19/25 13:35	1
Vanadium	<2.2		5.0	2.2	ug/L		03/11/25 08:35	03/19/25 13:35	1
Zinc	<6.9		20	6.9	ug/L		03/11/25 08:35	03/18/25 15:31	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**190**		0.91	0.46	mg/L		03/11/25 08:35	03/19/25 10:54	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	**2.5**		1.0	0.45	mg/L			03/13/25 14:44	1
Nitrate as N (EPA 300.0)	<0.37	H3	1.0	0.37	mg/L			03/05/25 15:55	1
Chloride (EPA 300.0)	**270**		10	4.2	mg/L			03/13/25 14:59	10
Nitrite as N (EPA 300.0)	<0.25	H3	1.0	0.25	mg/L			03/05/25 15:55	1
Fluoride (EPA 300.0)	**0.64**	**J**	1.0	0.43	mg/L			03/13/25 14:44	1
Nitrate Nitrite as N (EPA 300.0)	<0.37	H3	1.0	0.37	mg/L			03/05/25 15:55	1
Sulfate (EPA 300.0)	**44**		1.0	0.47	mg/L			03/13/25 14:44	1
Cyanide, Total (EPA 335.4)	**0.059**		0.0050	0.0036	mg/L		03/06/25 15:08	03/06/25 16:42	1
Ammonia (EPA 350.1)	**0.29**		0.20	0.10	mg/L		03/20/25 14:21	03/21/25 17:20	1
Phosphorus as P (EPA 365.1)	**0.15**		0.050	0.024	mg/L		03/11/25 07:30	03/13/25 11:20	1
Alkalinity (SM 2320B)	**83**		5.0	3.7	mg/L			03/09/25 12:38	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**83**		5.0	3.7	mg/L			03/09/25 12:38	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<3.7		5.0	3.7	mg/L			03/09/25 12:38	1
Salinity (SM 2520B)	**0.40**		0.33	0.33	psu			03/24/25 10:59	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264768-1

Client Sample ID: NB1-1_20250303
Date Collected: 03/03/25 09:45
Date Received: 03/05/25 10:40

Lab Sample ID: 500-264768-15
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	580		10	4.3	mg/L			03/10/25 03:11	1
Total Suspended Solids (SM 2540D)	6.8		5.0	1.9	mg/L			03/07/25 15:37	1
Sulfide (SM 4500 S2 F)	8.7	B	1.0	0.23	mg/L			03/06/25 14:30	1
Total Organic Carbon (SM 5310C)	3.3		1.0	0.47	mg/L			03/13/25 03:55	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon (SM 5310C)	3.4		1.0	0.47	mg/L			03/13/25 14:41	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264768-1

Client Sample ID: NB1-1_20250303_FBLL
Date Collected: 03/03/25 09:45
Date Received: 03/05/25 10:40

Lab Sample ID: 500-264768-16
Matrix: Water

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			03/10/25 18:49	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264768-1

Client Sample ID: NB1-3_20250303

Date Collected: 03/03/25 10:35
Date Received: 03/05/25 10:40

Lab Sample ID: 500-264768-17

Matrix: Water

Method: EPA 1630 - Methyl Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		03/20/25 12:01	03/21/25 00:56	1

Method: EPA 1630 - Methyl Mercury - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		03/20/25 12:01	03/21/25 01:06	1

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.47**	**J**	0.50	0.20	ng/L			03/10/25 18:53	1

Method: EPA 1631E - Mercury, Low Level (CVAFS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.23**	**J**	0.50	0.20	ng/L			03/10/25 18:57	1

Method: EPA 1638 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.012**	**J**	0.050	0.0098	ug/L		03/14/25 11:45	03/15/25 01:50	1

Method: EPA 1638 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	<0.0098		0.050	0.0098	ug/L		03/14/25 11:45	03/14/25 23:51	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**92**	**J**	100	25	ug/L		03/11/25 08:35	03/18/25 14:40	1
Antimony	<1.3		3.0	1.3	ug/L		03/11/25 08:35	03/18/25 14:40	1
Arsenic	**1.9**		1.0	0.23	ug/L		03/11/25 08:35	03/18/25 14:40	1
Barium	**500**		2.5	0.73	ug/L		03/11/25 08:35	03/18/25 14:40	1
Beryllium	<0.53		1.0	0.53	ug/L		03/11/25 08:35	03/19/25 12:51	1
Boron	**1200**		50	13	ug/L		03/11/25 08:35	03/18/25 14:40	1
Cadmium	<0.17		0.50	0.17	ug/L		03/11/25 08:35	03/18/25 14:40	1
Calcium	**64000**		200	44	ug/L		03/11/25 08:35	03/18/25 14:40	1
Chromium	<1.1		5.0	1.1	ug/L		03/11/25 08:35	03/18/25 14:40	1
Cobalt	<0.40		1.0	0.40	ug/L		03/11/25 08:35	03/18/25 14:40	1
Copper	**3.8**		2.0	0.50	ug/L		03/11/25 08:35	03/18/25 14:40	1
Iron	**1800**		100	47	ug/L		03/11/25 08:35	03/18/25 14:40	1
Lead	<0.19		0.50	0.19	ug/L		03/11/25 08:35	03/18/25 14:40	1
Lithium	**19**		10	2.5	ug/L		03/11/25 08:35	03/19/25 12:51	1
Magnesium	**5000**		200	49	ug/L		03/11/25 08:35	03/18/25 14:40	1
Manganese	**170**		2.5	0.79	ug/L		03/11/25 08:35	03/18/25 14:40	1
Molybdenum	**18**		5.0	2.5	ug/L		03/11/25 08:35	03/19/25 12:51	1
Nickel	<0.63		2.0	0.63	ug/L		03/11/25 08:35	03/18/25 14:40	1
Potassium	**12000**		500	110	ug/L		03/11/25 08:35	03/18/25 14:40	1
Selenium	<0.98		2.5	0.98	ug/L		03/11/25 08:35	03/18/25 14:40	1
Silver	<0.12		0.50	0.12	ug/L		03/11/25 08:35	03/18/25 14:40	1
Sodium	**100000**		200	77	ug/L		03/11/25 08:35	03/18/25 14:40	1
Strontium	**1000**		4.0	0.64	ug/L		03/11/25 08:35	03/19/25 12:51	1
Thallium	<0.57		2.0	0.57	ug/L		03/11/25 08:35	03/18/25 14:40	1
Tin	<1.3		5.0	1.3	ug/L		03/11/25 08:35	03/19/25 12:51	1
Vanadium	<2.2		5.0	2.2	ug/L		03/11/25 08:35	03/19/25 12:51	1
Zinc	<6.9		20	6.9	ug/L		03/11/25 08:35	03/18/25 14:40	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264768-1

Client Sample ID: NB1-3_20250303

Date Collected: 03/03/25 10:35
Date Received: 03/05/25 10:40

Lab Sample ID: 500-264768-17

Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<25		100	25	ug/L		03/11/25 08:35	03/18/25 15:33	1
Antimony	<1.3		3.0	1.3	ug/L		03/11/25 08:35	03/18/25 15:33	1
Arsenic	**1.7**		1.0	0.23	ug/L		03/11/25 08:35	03/18/25 15:33	1
Barium	**460**		2.5	0.73	ug/L		03/11/25 08:35	03/18/25 15:33	1
Beryllium	<0.53		1.0	0.53	ug/L		03/11/25 08:35	03/19/25 13:37	1
Boron	**1100**		50	13	ug/L		03/11/25 08:35	03/18/25 15:33	1
Cadmium	<0.17		0.50	0.17	ug/L		03/11/25 08:35	03/18/25 15:33	1
Calcium	**59000**		200	44	ug/L		03/11/25 08:35	03/18/25 15:33	1
Chromium	<1.1		5.0	1.1	ug/L		03/11/25 08:35	03/18/25 15:33	1
Cobalt	<0.40		1.0	0.40	ug/L		03/11/25 08:35	03/18/25 15:33	1
Copper	<0.50		2.0	0.50	ug/L		03/11/25 08:35	03/18/25 15:33	1
Iron	**180**		100	47	ug/L		03/11/25 08:35	03/18/25 15:33	1
Lead	<0.19		0.50	0.19	ug/L		03/11/25 08:35	03/18/25 15:33	1
Lithium	**18**		10	2.5	ug/L		03/11/25 08:35	03/19/25 13:37	1
Magnesium	**4500**		200	49	ug/L		03/11/25 08:35	03/18/25 15:33	1
Manganese	**150**		2.5	0.79	ug/L		03/11/25 08:35	03/18/25 15:33	1
Molybdenum	**17**		5.0	2.5	ug/L		03/11/25 08:35	03/19/25 13:37	1
Nickel	<0.63		2.0	0.63	ug/L		03/11/25 08:35	03/18/25 15:33	1
Potassium	**11000**		500	110	ug/L		03/11/25 08:35	03/18/25 15:33	1
Selenium	<0.98		2.5	0.98	ug/L		03/11/25 08:35	03/18/25 15:33	1
Silver	<0.12		0.50	0.12	ug/L		03/11/25 08:35	03/18/25 15:33	1
Sodium	**95000**		200	77	ug/L		03/11/25 08:35	03/18/25 15:33	1
Strontium	**1100**		4.0	0.64	ug/L		03/11/25 08:35	03/19/25 13:37	1
Thallium	<0.57		2.0	0.57	ug/L		03/11/25 08:35	03/18/25 15:33	1
Tin	<1.3		5.0	1.3	ug/L		03/11/25 08:35	03/19/25 13:37	1
Vanadium	<2.2		5.0	2.2	ug/L		03/11/25 08:35	03/19/25 13:37	1
Zinc	<6.9		20	6.9	ug/L		03/11/25 08:35	03/18/25 15:33	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**180**		0.91	0.46	mg/L		03/11/25 08:35	03/19/25 10:54	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	**2.5**		1.0	0.45	mg/L			03/13/25 15:15	1
Nitrate as N (EPA 300.0)	<0.37	H3	1.0	0.37	mg/L			03/05/25 16:42	1
Chloride (EPA 300.0)	**250**		10	4.2	mg/L			03/13/25 15:30	10
Nitrite as N (EPA 300.0)	<0.25	H3	1.0	0.25	mg/L			03/05/25 16:42	1
Fluoride (EPA 300.0)	<0.43		1.0	0.43	mg/L			03/13/25 15:15	1
Nitrate Nitrite as N (EPA 300.0)	<0.37	H3	1.0	0.37	mg/L			03/05/25 16:42	1
Sulfate (EPA 300.0)	**1.3**		1.0	0.47	mg/L			03/13/25 15:15	1
Cyanide, Total (EPA 335.4)	<0.0036		0.0050	0.0036	mg/L		03/06/25 15:08	03/06/25 16:43	1
Ammonia (EPA 350.1)	**0.50**		0.20	0.10	mg/L		03/20/25 14:21	03/21/25 17:21	1
Phosphorus as P (EPA 365.1)	**0.057**		0.050	0.024	mg/L		03/11/25 07:30	03/13/25 11:21	1
Alkalinity (SM 2320B)	**66**		5.0	3.7	mg/L			03/09/25 12:48	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**66**		5.0	3.7	mg/L			03/09/25 12:48	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<3.7		5.0	3.7	mg/L			03/09/25 12:48	1
Salinity (SM 2520B)	<0.33		0.33	0.33	psu			03/24/25 10:59	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264768-1

Client Sample ID: NB1-3_20250303
Date Collected: 03/03/25 10:35
Date Received: 03/05/25 10:40

Lab Sample ID: 500-264768-17
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	500		10	4.3	mg/L			03/10/25 03:14	1
Total Suspended Solids (SM 2540D)	8.0		5.0	1.9	mg/L			03/07/25 15:39	1
Sulfide (SM 4500 S2 F)	<0.58		2.5	0.58	mg/L			03/06/25 14:33	1
Total Organic Carbon (SM 5310C)	2.1		1.0	0.47	mg/L			03/13/25 04:28	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon (SM 5310C)	2.2		1.0	0.47	mg/L			03/13/25 15:13	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264768-1

Client Sample ID: NB1-3_20250303_FBLL
Date Collected: 03/03/25 10:35
Date Received: 03/05/25 10:40

Lab Sample ID: 500-264768-18
Matrix: Water

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			03/10/25 19:01	1

Definitions/Glossary

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264768-1

Qualifiers

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
F1	MS and/or MSD recovery exceeds control limits.
F5	Duplicate RPD exceeds limit, and one or both sample results are less than 5 times RL, and the absolute difference between results is < the upper reporting limits for both.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
H	Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.
H3	Sample was received and analyzed past holding time. This does not meet regulatory requirements.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

QC Association Summary

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264768-1

Metals

Analysis Batch: 5444

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264768-1	DKC-03_20250303	Dissolved	Water	1631E	
500-264768-1	DKC-03_20250303	Total/NA	Water	1631E	
500-264768-2	DKC-03_20250303_FBLL	Total/NA	Water	1631E	
500-264768-3	SMW-1_20250303	Dissolved	Water	1631E	
500-264768-3	SMW-1_20250303	Total/NA	Water	1631E	
500-264768-4	SMW-1_20250303_FBLL	Total/NA	Water	1631E	
500-264768-5	SMW-1SB_20250303	Dissolved	Water	1631E	
500-264768-5	SMW-1SB_20250303	Total/NA	Water	1631E	
500-264768-6	SMW-1SB_20250303_FBLL	Total/NA	Water	1631E	
500-264768-7	NB2-3_20250303	Dissolved	Water	1631E	
500-264768-7	NB2-3_20250303	Total/NA	Water	1631E	
500-264768-8	NB2-3_20250303_FBLL	Total/NA	Water	1631E	
500-264768-9	EB-01-GW_20250303	Total/NA	Water	1631E	
MB 350-5444/28	Method Blank	Total/NA	Water	1631E	
MB 350-5444/29	Method Blank	Total/NA	Water	1631E	
MB 350-5444/30	Method Blank	Total/NA	Water	1631E	
LCS 350-5444/32	Lab Control Sample	Total/NA	Water	1631E	
LCSD 350-5444/41	Lab Control Sample Dup	Total/NA	Water	1631E	
500-264768-1 MS	DKC-03_20250303	Dissolved	Water	1631E	
500-264768-1 MS	DKC-03_20250303	Total/NA	Water	1631E	
500-264768-1 MSD	DKC-03_20250303	Dissolved	Water	1631E	
500-264768-1 MSD	DKC-03_20250303	Total/NA	Water	1631E	

Analysis Batch: 5476

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264768-10	EB-01-GW_20250303_FBLL	Total/NA	Water	1631E	
500-264768-11	LKS-02_20250303	Dissolved	Water	1631E	
500-264768-11	LKS-02_20250303	Total/NA	Water	1631E	
500-264768-12	LKS-02_20250303_FBLL	Total/NA	Water	1631E	
500-264768-13	MLC-01_20250303	Dissolved	Water	1631E	
500-264768-13	MLC-01_20250303	Total/NA	Water	1631E	
500-264768-14	MLC-01_20250303_FBLL	Total/NA	Water	1631E	
500-264768-15	NB1-1_20250303	Dissolved	Water	1631E	
500-264768-15	NB1-1_20250303	Total/NA	Water	1631E	
500-264768-16	NB1-1_20250303_FBLL	Total/NA	Water	1631E	
500-264768-17	NB1-3_20250303	Dissolved	Water	1631E	
500-264768-17	NB1-3_20250303	Total/NA	Water	1631E	
500-264768-18	NB1-3_20250303_FBLL	Total/NA	Water	1631E	
MB 350-5476/28	Method Blank	Total/NA	Water	1631E	
MB 350-5476/29	Method Blank	Total/NA	Water	1631E	
MB 350-5476/30	Method Blank	Total/NA	Water	1631E	
MB 350-5476/31	Method Blank	Total/NA	Water	1631E	
MB 350-5476/34	Method Blank	Total/NA	Water	1631E	
MB 350-5476/35	Method Blank	Total/NA	Water	1631E	
LCS 350-5476/40	Lab Control Sample	Total/NA	Water	1631E	
LCS 350-5476/42	Lab Control Sample	Total/NA	Water	1631E	
LCSD 350-5476/41	Lab Control Sample Dup	Total/NA	Water	1631E	
LCSD 350-5476/43	Lab Control Sample Dup	Total/NA	Water	1631E	

Metals

Prep Batch: 5549

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264768-1	DKC-03_20250303	Dissolved	Water	1638	
500-264768-3	SMW-1_20250303	Dissolved	Water	1638	
500-264768-5	SMW-1SB_20250303	Dissolved	Water	1638	
500-264768-7	NB2-3_20250303	Dissolved	Water	1638	
500-264768-11	LKS-02_20250303	Dissolved	Water	1638	
500-264768-13	MLC-01_20250303	Dissolved	Water	1638	
500-264768-15	NB1-1_20250303	Dissolved	Water	1638	
500-264768-17	NB1-3_20250303	Dissolved	Water	1638	
MB 350-5549/1-A	Method Blank	Total Recoverable	Water	1638	
MB 350-5549/2-A	Method Blank	Total Recoverable	Water	1638	
LCS 350-5549/3-A	Lab Control Sample	Total Recoverable	Water	1638	
LCSD 350-5549/4-A	Lab Control Sample Dup	Total Recoverable	Water	1638	
500-264768-1 MS	DKC-03_20250303	Dissolved	Water	1638	
500-264768-1 MSD	DKC-03_20250303	Dissolved	Water	1638	

Prep Batch: 5551

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264768-1	DKC-03_20250303	Total Recoverable	Water	1638	
500-264768-3	SMW-1_20250303	Total Recoverable	Water	1638	
500-264768-5	SMW-1SB_20250303	Total Recoverable	Water	1638	
500-264768-7	NB2-3_20250303	Total Recoverable	Water	1638	
500-264768-11	LKS-02_20250303	Total Recoverable	Water	1638	
500-264768-13	MLC-01_20250303	Total Recoverable	Water	1638	
500-264768-15	NB1-1_20250303	Total Recoverable	Water	1638	
500-264768-17	NB1-3_20250303	Total Recoverable	Water	1638	
MB 350-5551/1-A	Method Blank	Total Recoverable	Water	1638	
MB 350-5551/2-A	Method Blank	Total Recoverable	Water	1638	
LCS 350-5551/3-A	Lab Control Sample	Total Recoverable	Water	1638	
LCSD 350-5551/4-A	Lab Control Sample Dup	Total Recoverable	Water	1638	
500-264768-1 MS	DKC-03_20250303	Total Recoverable	Water	1638	
500-264768-1 MSD	DKC-03_20250303	Total Recoverable	Water	1638	

Prep Batch: 5552

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264768-9	EB-01-GW_20250303	Total Recoverable	Water	1638	
MB 350-5552/1-A	Method Blank	Total Recoverable	Water	1638	
MB 350-5552/2-A	Method Blank	Total Recoverable	Water	1638	
LCS 350-5552/3-A	Lab Control Sample	Total Recoverable	Water	1638	
LCSD 350-5552/4-A	Lab Control Sample Dup	Total Recoverable	Water	1638	

Analysis Batch: 5599

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264768-1	DKC-03_20250303	Dissolved	Water	1638	5549
500-264768-1	DKC-03_20250303	Total Recoverable	Water	1638	5551
500-264768-3	SMW-1_20250303	Dissolved	Water	1638	5549
500-264768-3	SMW-1_20250303	Total Recoverable	Water	1638	5551
500-264768-5	SMW-1SB_20250303	Dissolved	Water	1638	5549
500-264768-5	SMW-1SB_20250303	Total Recoverable	Water	1638	5551
500-264768-7	NB2-3_20250303	Dissolved	Water	1638	5549
500-264768-7	NB2-3_20250303	Total Recoverable	Water	1638	5551
500-264768-9	EB-01-GW_20250303	Total Recoverable	Water	1638	5552

Metals (Continued)

Analysis Batch: 5599 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264768-11	LKS-02_20250303	Dissolved	Water	1638	5549
500-264768-11	LKS-02_20250303	Total Recoverable	Water	1638	5551
500-264768-13	MLC-01_20250303	Dissolved	Water	1638	5549
500-264768-13	MLC-01_20250303	Total Recoverable	Water	1638	5551
500-264768-15	NB1-1_20250303	Dissolved	Water	1638	5549
500-264768-15	NB1-1_20250303	Total Recoverable	Water	1638	5551
500-264768-17	NB1-3_20250303	Dissolved	Water	1638	5549
500-264768-17	NB1-3_20250303	Total Recoverable	Water	1638	5551
MB 350-5549/1-A	Method Blank	Total Recoverable	Water	1638	5549
MB 350-5549/2-A	Method Blank	Total Recoverable	Water	1638	5549
MB 350-5551/1-A	Method Blank	Total Recoverable	Water	1638	5551
MB 350-5551/2-A	Method Blank	Total Recoverable	Water	1638	5551
MB 350-5552/1-A	Method Blank	Total Recoverable	Water	1638	5552
MB 350-5552/2-A	Method Blank	Total Recoverable	Water	1638	5552
LCS 350-5549/3-A	Lab Control Sample	Total Recoverable	Water	1638	5549
LCS 350-5551/3-A	Lab Control Sample	Total Recoverable	Water	1638	5551
LCS 350-5552/3-A	Lab Control Sample	Total Recoverable	Water	1638	5552
LCSD 350-5549/4-A	Lab Control Sample Dup	Total Recoverable	Water	1638	5549
LCSD 350-5551/4-A	Lab Control Sample Dup	Total Recoverable	Water	1638	5551
LCSD 350-5552/4-A	Lab Control Sample Dup	Total Recoverable	Water	1638	5552
500-264768-1 MS	DKC-03_20250303	Dissolved	Water	1638	5549
500-264768-1 MS	DKC-03_20250303	Total Recoverable	Water	1638	5551
500-264768-1 MSD	DKC-03_20250303	Dissolved	Water	1638	5549
500-264768-1 MSD	DKC-03_20250303	Total Recoverable	Water	1638	5551

Prep Batch: 5644

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264768-9	EB-01-GW_20250303	Total/NA	Water	1630	
MB 350-5644/1-A	Method Blank	Total/NA	Water	1630	
MB 350-5644/2-A	Method Blank	Total/NA	Water	1630	
MB 350-5644/3-A	Method Blank	Total/NA	Water	1630	
LCS 350-5644/4-A	Lab Control Sample	Total/NA	Water	1630	
LCSD 350-5644/5-A	Lab Control Sample Dup	Total/NA	Water	1630	

Prep Batch: 5686

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264768-1	DKC-03_20250303	Dissolved	Water	1630	
500-264768-1	DKC-03_20250303	Total/NA	Water	1630	
500-264768-3	SMW-1_20250303	Dissolved	Water	1630	
500-264768-3	SMW-1_20250303	Total/NA	Water	1630	
500-264768-5	SMW-1SB_20250303	Dissolved	Water	1630	
500-264768-5	SMW-1SB_20250303	Total/NA	Water	1630	
500-264768-7	NB2-3_20250303	Dissolved	Water	1630	
500-264768-7	NB2-3_20250303	Total/NA	Water	1630	
500-264768-11	LKS-02_20250303	Dissolved	Water	1630	
500-264768-11	LKS-02_20250303	Total/NA	Water	1630	
500-264768-13	MLC-01_20250303	Dissolved	Water	1630	
500-264768-13	MLC-01_20250303	Total/NA	Water	1630	
500-264768-15	NB1-1_20250303	Dissolved	Water	1630	
500-264768-15	NB1-1_20250303	Total/NA	Water	1630	
500-264768-17	NB1-3_20250303	Dissolved	Water	1630	

Metals (Continued)

Prep Batch: 5686 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264768-17	NB1-3_20250303	Total/NA	Water	1630	
MB 350-5686/1-A	Method Blank	Total/NA	Water	1630	
MB 350-5686/2-A	Method Blank	Total/NA	Water	1630	
MB 350-5686/3-A	Method Blank	Total/NA	Water	1630	
LCS 350-5686/4-A	Lab Control Sample	Total/NA	Water	1630	
LCSD 350-5686/5-A	Lab Control Sample Dup	Total/NA	Water	1630	
500-264768-1 MS	DKC-03_20250303	Dissolved	Water	1630	
500-264768-1 MS	DKC-03_20250303	Total/NA	Water	1630	
500-264768-1 MSD	DKC-03_20250303	Dissolved	Water	1630	
500-264768-1 MSD	DKC-03_20250303	Total/NA	Water	1630	

Analysis Batch: 5728

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264768-1	DKC-03_20250303	Dissolved	Water	1630	5686
500-264768-1	DKC-03_20250303	Total/NA	Water	1630	5686
500-264768-3	SMW-1_20250303	Dissolved	Water	1630	5686
500-264768-3	SMW-1_20250303	Total/NA	Water	1630	5686
500-264768-5	SMW-1SB_20250303	Dissolved	Water	1630	5686
500-264768-5	SMW-1SB_20250303	Total/NA	Water	1630	5686
500-264768-7	NB2-3_20250303	Dissolved	Water	1630	5686
500-264768-7	NB2-3_20250303	Total/NA	Water	1630	5686
500-264768-9	EB-01-GW_20250303	Total/NA	Water	1630	5644
500-264768-11	LKS-02_20250303	Dissolved	Water	1630	5686
500-264768-11	LKS-02_20250303	Total/NA	Water	1630	5686
500-264768-13	MLC-01_20250303	Dissolved	Water	1630	5686
500-264768-13	MLC-01_20250303	Total/NA	Water	1630	5686
500-264768-15	NB1-1_20250303	Dissolved	Water	1630	5686
500-264768-15	NB1-1_20250303	Total/NA	Water	1630	5686
500-264768-17	NB1-3_20250303	Dissolved	Water	1630	5686
500-264768-17	NB1-3_20250303	Total/NA	Water	1630	5686
MB 350-5644/1-A	Method Blank	Total/NA	Water	1630	5644
MB 350-5644/2-A	Method Blank	Total/NA	Water	1630	5644
MB 350-5644/3-A	Method Blank	Total/NA	Water	1630	5644
MB 350-5686/1-A	Method Blank	Total/NA	Water	1630	5686
MB 350-5686/2-A	Method Blank	Total/NA	Water	1630	5686
MB 350-5686/3-A	Method Blank	Total/NA	Water	1630	5686
LCS 350-5644/4-A	Lab Control Sample	Total/NA	Water	1630	5644
LCS 350-5686/4-A	Lab Control Sample	Total/NA	Water	1630	5686
LCSD 350-5644/5-A	Lab Control Sample Dup	Total/NA	Water	1630	5644
LCSD 350-5686/5-A	Lab Control Sample Dup	Total/NA	Water	1630	5686
500-264768-1 MS	DKC-03_20250303	Dissolved	Water	1630	5686
500-264768-1 MS	DKC-03_20250303	Total/NA	Water	1630	5686
500-264768-1 MSD	DKC-03_20250303	Dissolved	Water	1630	5686
500-264768-1 MSD	DKC-03_20250303	Total/NA	Water	1630	5686

Prep Batch: 809412

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264768-1	DKC-03_20250303	Dissolved	Water	3005A	
500-264768-1	DKC-03_20250303	Total Recoverable	Water	3005A	
500-264768-3	SMW-1_20250303	Dissolved	Water	3005A	
500-264768-3	SMW-1_20250303	Total Recoverable	Water	3005A	

Metals (Continued)

Prep Batch: 809412 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264768-5	SMW-1SB_20250303	Dissolved	Water	3005A	
500-264768-5	SMW-1SB_20250303	Total Recoverable	Water	3005A	
500-264768-7	NB2-3_20250303	Dissolved	Water	3005A	
500-264768-7	NB2-3_20250303	Total Recoverable	Water	3005A	
500-264768-9	EB-01-GW_20250303	Total Recoverable	Water	3005A	
500-264768-11	LKS-02_20250303	Dissolved	Water	3005A	
500-264768-11	LKS-02_20250303	Total Recoverable	Water	3005A	
500-264768-13	MLC-01_20250303	Dissolved	Water	3005A	
500-264768-13	MLC-01_20250303	Total Recoverable	Water	3005A	
500-264768-15	NB1-1_20250303	Dissolved	Water	3005A	
500-264768-15	NB1-1_20250303	Total Recoverable	Water	3005A	
500-264768-17	NB1-3_20250303	Dissolved	Water	3005A	
500-264768-17	NB1-3_20250303	Total Recoverable	Water	3005A	
MB 500-809412/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 500-809412/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
500-264768-1 MS	DKC-03_20250303	Dissolved	Water	3005A	
500-264768-1 MS	DKC-03_20250303	Total Recoverable	Water	3005A	
500-264768-1 MSD	DKC-03_20250303	Dissolved	Water	3005A	
500-264768-1 MSD	DKC-03_20250303	Total Recoverable	Water	3005A	
500-264768-1 DU	DKC-03_20250303	Dissolved	Water	3005A	
500-264768-1 DU	DKC-03_20250303	Total Recoverable	Water	3005A	

Analysis Batch: 810390

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264768-1	DKC-03_20250303	Dissolved	Water	6020B	809412
500-264768-1	DKC-03_20250303	Total Recoverable	Water	6020B	809412
500-264768-3	SMW-1_20250303	Dissolved	Water	6020B	809412
500-264768-3	SMW-1_20250303	Total Recoverable	Water	6020B	809412
500-264768-5	SMW-1SB_20250303	Dissolved	Water	6020B	809412
500-264768-5	SMW-1SB_20250303	Total Recoverable	Water	6020B	809412
500-264768-7	NB2-3_20250303	Dissolved	Water	6020B	809412
500-264768-7	NB2-3_20250303	Total Recoverable	Water	6020B	809412
500-264768-9	EB-01-GW_20250303	Total Recoverable	Water	6020B	809412
500-264768-11	LKS-02_20250303	Dissolved	Water	6020B	809412
500-264768-11	LKS-02_20250303	Total Recoverable	Water	6020B	809412
500-264768-13	MLC-01_20250303	Dissolved	Water	6020B	809412
500-264768-13	MLC-01_20250303	Total Recoverable	Water	6020B	809412
500-264768-15	NB1-1_20250303	Dissolved	Water	6020B	809412
500-264768-15	NB1-1_20250303	Total Recoverable	Water	6020B	809412
500-264768-17	NB1-3_20250303	Dissolved	Water	6020B	809412
500-264768-17	NB1-3_20250303	Total Recoverable	Water	6020B	809412
MB 500-809412/1-A	Method Blank	Total Recoverable	Water	6020B	809412
LCS 500-809412/2-A	Lab Control Sample	Total Recoverable	Water	6020B	809412
500-264768-1 MS	DKC-03_20250303	Dissolved	Water	6020B	809412
500-264768-1 MS	DKC-03_20250303	Total Recoverable	Water	6020B	809412
500-264768-1 MSD	DKC-03_20250303	Dissolved	Water	6020B	809412
500-264768-1 MSD	DKC-03_20250303	Total Recoverable	Water	6020B	809412
500-264768-1 DU	DKC-03_20250303	Dissolved	Water	6020B	809412
500-264768-1 DU	DKC-03_20250303	Total Recoverable	Water	6020B	809412

QC Association Summary

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264768-1

Metals

Analysis Batch: 810438

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264768-1	DKC-03_20250303	Total Recoverable	Water	SM 2340B	809412
500-264768-3	SMW-1_20250303	Total Recoverable	Water	SM 2340B	809412
500-264768-5	SMW-1SB_20250303	Total Recoverable	Water	SM 2340B	809412
500-264768-7	NB2-3_20250303	Total Recoverable	Water	SM 2340B	809412
500-264768-9	EB-01-GW_20250303	Total Recoverable	Water	SM 2340B	809412
500-264768-11	LKS-02_20250303	Total Recoverable	Water	SM 2340B	809412
500-264768-13	MLC-01_20250303	Total Recoverable	Water	SM 2340B	809412
500-264768-15	NB1-1_20250303	Total Recoverable	Water	SM 2340B	809412
500-264768-17	NB1-3_20250303	Total Recoverable	Water	SM 2340B	809412

Analysis Batch: 810489

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264768-1	DKC-03_20250303	Dissolved	Water	6020B	809412
500-264768-3	SMW-1_20250303	Dissolved	Water	6020B	809412
500-264768-5	SMW-1SB_20250303	Dissolved	Water	6020B	809412
500-264768-5	SMW-1SB_20250303	Dissolved	Water	6020B	809412
500-264768-5	SMW-1SB_20250303	Total Recoverable	Water	6020B	809412
500-264768-7	NB2-3_20250303	Dissolved	Water	6020B	809412
500-264768-9	EB-01-GW_20250303	Total Recoverable	Water	6020B	809412
500-264768-11	LKS-02_20250303	Dissolved	Water	6020B	809412
500-264768-11	LKS-02_20250303	Total Recoverable	Water	6020B	809412
500-264768-13	MLC-01_20250303	Dissolved	Water	6020B	809412
500-264768-13	MLC-01_20250303	Total Recoverable	Water	6020B	809412
500-264768-15	NB1-1_20250303	Dissolved	Water	6020B	809412
500-264768-15	NB1-1_20250303	Total Recoverable	Water	6020B	809412
500-264768-17	NB1-3_20250303	Dissolved	Water	6020B	809412
500-264768-17	NB1-3_20250303	Total Recoverable	Water	6020B	809412
500-264768-1 MS	DKC-03_20250303	Dissolved	Water	6020B	809412
500-264768-1 MSD	DKC-03_20250303	Dissolved	Water	6020B	809412
500-264768-1 DU	DKC-03_20250303	Dissolved	Water	6020B	809412

General Chemistry

Analysis Batch: 808701

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264768-1	DKC-03_20250303	Total/NA	Water	300.0	
500-264768-3	SMW-1_20250303	Total/NA	Water	300.0	
500-264768-5	SMW-1SB_20250303	Total/NA	Water	300.0	
500-264768-7	NB2-3_20250303	Total/NA	Water	300.0	
500-264768-9	EB-01-GW_20250303	Total/NA	Water	300.0	
500-264768-11	LKS-02_20250303	Total/NA	Water	300.0	
500-264768-13	MLC-01_20250303	Total/NA	Water	300.0	
500-264768-15	NB1-1_20250303	Total/NA	Water	300.0	
500-264768-17	NB1-3_20250303	Total/NA	Water	300.0	
MB 500-808701/10	Method Blank	Total/NA	Water	300.0	
LCS 500-808701/11	Lab Control Sample	Total/NA	Water	300.0	
500-264768-1 MS	DKC-03_20250303	Total/NA	Water	300.0	
500-264768-1 MSD	DKC-03_20250303	Total/NA	Water	300.0	

General Chemistry

Analysis Batch: 808939

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264768-1	DKC-03_20250303	Total/NA	Water	SM 4500 S2 F	
500-264768-3	SMW-1_20250303	Total/NA	Water	SM 4500 S2 F	
500-264768-5	SMW-1SB_20250303	Total/NA	Water	SM 4500 S2 F	
500-264768-7	NB2-3_20250303	Total/NA	Water	SM 4500 S2 F	
500-264768-9	EB-01-GW_20250303	Total/NA	Water	SM 4500 S2 F	
500-264768-11	LKS-02_20250303	Total/NA	Water	SM 4500 S2 F	
500-264768-13	MLC-01_20250303	Total/NA	Water	SM 4500 S2 F	
500-264768-15	NB1-1_20250303	Total/NA	Water	SM 4500 S2 F	
500-264768-17	NB1-3_20250303	Total/NA	Water	SM 4500 S2 F	
MB 500-808939/1	Method Blank	Total/NA	Water	SM 4500 S2 F	
LCS 500-808939/2	Lab Control Sample	Total/NA	Water	SM 4500 S2 F	
500-264768-1 MS	DKC-03_20250303	Total/NA	Water	SM 4500 S2 F	
500-264768-1 MSD	DKC-03_20250303	Total/NA	Water	SM 4500 S2 F	

Prep Batch: 808951

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264768-1	DKC-03_20250303	Total/NA	Water	Distill/CN	
500-264768-3	SMW-1_20250303	Total/NA	Water	Distill/CN	
500-264768-5	SMW-1SB_20250303	Total/NA	Water	Distill/CN	
500-264768-7	NB2-3_20250303	Total/NA	Water	Distill/CN	
500-264768-9	EB-01-GW_20250303	Total/NA	Water	Distill/CN	
500-264768-11	LKS-02_20250303	Total/NA	Water	Distill/CN	
500-264768-13	MLC-01_20250303	Total/NA	Water	Distill/CN	
500-264768-15	NB1-1_20250303	Total/NA	Water	Distill/CN	
500-264768-17	NB1-3_20250303	Total/NA	Water	Distill/CN	
MB 500-808951/1-A	Method Blank	Total/NA	Water	Distill/CN	
LCS 500-808951/2-A	Lab Control Sample	Total/NA	Water	Distill/CN	
500-264768-1 MS	DKC-03_20250303	Total/NA	Water	Distill/CN	
500-264768-1 MSD	DKC-03_20250303	Total/NA	Water	Distill/CN	

Analysis Batch: 809020

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264768-1	DKC-03_20250303	Total/NA	Water	335.4	808951
500-264768-3	SMW-1_20250303	Total/NA	Water	335.4	808951
500-264768-5	SMW-1SB_20250303	Total/NA	Water	335.4	808951
500-264768-7	NB2-3_20250303	Total/NA	Water	335.4	808951
500-264768-9	EB-01-GW_20250303	Total/NA	Water	335.4	808951
500-264768-11	LKS-02_20250303	Total/NA	Water	335.4	808951
500-264768-13	MLC-01_20250303	Total/NA	Water	335.4	808951
500-264768-15	NB1-1_20250303	Total/NA	Water	335.4	808951
500-264768-17	NB1-3_20250303	Total/NA	Water	335.4	808951
MB 500-808951/1-A	Method Blank	Total/NA	Water	335.4	808951
LCS 500-808951/2-A	Lab Control Sample	Total/NA	Water	335.4	808951
500-264768-1 MS	DKC-03_20250303	Total/NA	Water	335.4	808951
500-264768-1 MSD	DKC-03_20250303	Total/NA	Water	335.4	808951

Analysis Batch: 809137

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264768-1	DKC-03_20250303	Total/NA	Water	SM 2540D	
500-264768-3	SMW-1_20250303	Total/NA	Water	SM 2540D	
500-264768-5	SMW-1SB_20250303	Total/NA	Water	SM 2540D	

General Chemistry (Continued)

Analysis Batch: 809137 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264768-7	NB2-3_20250303	Total/NA	Water	SM 2540D	
500-264768-9	EB-01-GW_20250303	Total/NA	Water	SM 2540D	
500-264768-11	LKS-02_20250303	Total/NA	Water	SM 2540D	
500-264768-13	MLC-01_20250303	Total/NA	Water	SM 2540D	
500-264768-15	NB1-1_20250303	Total/NA	Water	SM 2540D	
500-264768-17	NB1-3_20250303	Total/NA	Water	SM 2540D	
MB 500-809137/1	Method Blank	Total/NA	Water	SM 2540D	
LCS 500-809137/2	Lab Control Sample	Total/NA	Water	SM 2540D	
500-264768-1 MS	DKC-03_20250303	Total/NA	Water	SM 2540D	
500-264768-1 MSD	DKC-03_20250303	Total/NA	Water	SM 2540D	

Analysis Batch: 809207

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264768-1	DKC-03_20250303	Total/NA	Water	SM 2540C	
500-264768-3	SMW-1_20250303	Total/NA	Water	SM 2540C	
500-264768-5	SMW-1SB_20250303	Total/NA	Water	SM 2540C	
500-264768-7	NB2-3_20250303	Total/NA	Water	SM 2540C	
500-264768-9	EB-01-GW_20250303	Total/NA	Water	SM 2540C	
500-264768-11	LKS-02_20250303	Total/NA	Water	SM 2540C	
500-264768-13	MLC-01_20250303	Total/NA	Water	SM 2540C	
500-264768-15	NB1-1_20250303	Total/NA	Water	SM 2540C	
500-264768-17	NB1-3_20250303	Total/NA	Water	SM 2540C	
MB 500-809207/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-809207/2	Lab Control Sample	Total/NA	Water	SM 2540C	
500-264768-1 MS	DKC-03_20250303	Total/NA	Water	SM 2540C	
500-264768-1 MSD	DKC-03_20250303	Total/NA	Water	SM 2540C	
500-264768-3 DU	SMW-1_20250303	Total/NA	Water	SM 2540C	

Analysis Batch: 809213

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264768-1	DKC-03_20250303	Total/NA	Water	SM 2320B	
500-264768-3	SMW-1_20250303	Total/NA	Water	SM 2320B	
500-264768-5	SMW-1SB_20250303	Total/NA	Water	SM 2320B	
500-264768-7	NB2-3_20250303	Total/NA	Water	SM 2320B	
500-264768-9	EB-01-GW_20250303	Total/NA	Water	SM 2320B	
500-264768-11	LKS-02_20250303	Total/NA	Water	SM 2320B	
500-264768-13	MLC-01_20250303	Total/NA	Water	SM 2320B	
500-264768-15	NB1-1_20250303	Total/NA	Water	SM 2320B	
500-264768-17	NB1-3_20250303	Total/NA	Water	SM 2320B	
MB 500-809213/31	Method Blank	Total/NA	Water	SM 2320B	
LCS 500-809213/4	Lab Control Sample	Total/NA	Water	SM 2320B	

Prep Batch: 809361

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264768-1	DKC-03_20250303	Total/NA	Water	365.2/365.3/365	
500-264768-3	SMW-1_20250303	Total/NA	Water	365.2/365.3/365	
500-264768-5	SMW-1SB_20250303	Total/NA	Water	365.2/365.3/365	
500-264768-7	NB2-3_20250303	Total/NA	Water	365.2/365.3/365	
500-264768-9	EB-01-GW_20250303	Total/NA	Water	365.2/365.3/365	
500-264768-11	LKS-02_20250303	Total/NA	Water	365.2/365.3/365	
500-264768-13	MLC-01_20250303	Total/NA	Water	365.2/365.3/365	

General Chemistry (Continued)

Prep Batch: 809361 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264768-15	NB1-1_20250303	Total/NA	Water	365.2/365.3/365	
500-264768-17	NB1-3_20250303	Total/NA	Water	365.2/365.3/365	
MB 500-809361/1-A	Method Blank	Total/NA	Water	365.2/365.3/365	
LCS 500-809361/2-A	Lab Control Sample	Total/NA	Water	365.2/365.3/365	
500-264768-1 MS	DKC-03_20250303	Total/NA	Water	365.2/365.3/365	
500-264768-1 MSD	DKC-03_20250303	Total/NA	Water	365.2/365.3/365	

Analysis Batch: 809688

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264768-1	DKC-03_20250303	Total/NA	Water	300.0	
500-264768-3	SMW-1_20250303	Total/NA	Water	300.0	
500-264768-5	SMW-1SB_20250303	Total/NA	Water	300.0	
500-264768-7	NB2-3_20250303	Total/NA	Water	300.0	
500-264768-7	NB2-3_20250303	Total/NA	Water	300.0	
500-264768-9	EB-01-GW_20250303	Total/NA	Water	300.0	
500-264768-11	LKS-02_20250303	Total/NA	Water	300.0	
500-264768-13	MLC-01_20250303	Total/NA	Water	300.0	
500-264768-15	NB1-1_20250303	Total/NA	Water	300.0	
500-264768-15	NB1-1_20250303	Total/NA	Water	300.0	
500-264768-17	NB1-3_20250303	Total/NA	Water	300.0	
500-264768-17	NB1-3_20250303	Total/NA	Water	300.0	
MB 500-809688/3	Method Blank	Total/NA	Water	300.0	
LCS 500-809688/4	Lab Control Sample	Total/NA	Water	300.0	
500-264768-1 MS	DKC-03_20250303	Total/NA	Water	300.0	
500-264768-1 MSD	DKC-03_20250303	Total/NA	Water	300.0	

Analysis Batch: 809855

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264768-1	DKC-03_20250303	Total/NA	Water	365.1	809361
500-264768-3	SMW-1_20250303	Total/NA	Water	365.1	809361
500-264768-5	SMW-1SB_20250303	Total/NA	Water	365.1	809361
500-264768-7	NB2-3_20250303	Total/NA	Water	365.1	809361
500-264768-9	EB-01-GW_20250303	Total/NA	Water	365.1	809361
500-264768-11	LKS-02_20250303	Total/NA	Water	365.1	809361
500-264768-13	MLC-01_20250303	Total/NA	Water	365.1	809361
500-264768-15	NB1-1_20250303	Total/NA	Water	365.1	809361
500-264768-17	NB1-3_20250303	Total/NA	Water	365.1	809361
MB 500-809361/1-A	Method Blank	Total/NA	Water	365.1	809361
LCS 500-809361/2-A	Lab Control Sample	Total/NA	Water	365.1	809361
500-264768-1 MS	DKC-03_20250303	Total/NA	Water	365.1	809361
500-264768-1 MSD	DKC-03_20250303	Total/NA	Water	365.1	809361

Analysis Batch: 809866

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264768-1	DKC-03_20250303	Total/NA	Water	SM 5310C	
500-264768-3	SMW-1_20250303	Total/NA	Water	SM 5310C	
500-264768-5	SMW-1SB_20250303	Total/NA	Water	SM 5310C	
500-264768-7	NB2-3_20250303	Total/NA	Water	SM 5310C	
500-264768-9	EB-01-GW_20250303	Total/NA	Water	SM 5310C	
500-264768-11	LKS-02_20250303	Total/NA	Water	SM 5310C	
500-264768-13	MLC-01_20250303	Total/NA	Water	SM 5310C	

General Chemistry (Continued)

Analysis Batch: 809866 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264768-15	NB1-1_20250303	Total/NA	Water	SM 5310C	
500-264768-17	NB1-3_20250303	Total/NA	Water	SM 5310C	
MB 500-809866/7	Method Blank	Total/NA	Water	SM 5310C	
LCS 500-809866/8	Lab Control Sample	Total/NA	Water	SM 5310C	
500-264768-1 MS	DKC-03_20250303	Total/NA	Water	SM 5310C	
500-264768-1 MSD	DKC-03_20250303	Total/NA	Water	SM 5310C	

Analysis Batch: 810020

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264768-1	DKC-03_20250303	Dissolved	Water	SM 5310C	
500-264768-3	SMW-1_20250303	Dissolved	Water	SM 5310C	
500-264768-5	SMW-1SB_20250303	Dissolved	Water	SM 5310C	
500-264768-7	NB2-3_20250303	Dissolved	Water	SM 5310C	
500-264768-11	LKS-02_20250303	Dissolved	Water	SM 5310C	
500-264768-13	MLC-01_20250303	Dissolved	Water	SM 5310C	
500-264768-15	NB1-1_20250303	Dissolved	Water	SM 5310C	
500-264768-17	NB1-3_20250303	Dissolved	Water	SM 5310C	
MB 500-810020/31	Method Blank	Dissolved	Water	SM 5310C	
LCS 500-810020/32	Lab Control Sample	Dissolved	Water	SM 5310C	
500-264768-1 MS	DKC-03_20250303	Dissolved	Water	SM 5310C	
500-264768-1 MSD	DKC-03_20250303	Dissolved	Water	SM 5310C	

Prep Batch: 810288

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264768-1	DKC-03_20250303	Total/NA	Water	Distill/Ammonia	
500-264768-3	SMW-1_20250303	Total/NA	Water	Distill/Ammonia	
500-264768-5	SMW-1SB_20250303	Total/NA	Water	Distill/Ammonia	
MB 500-810288/1-A	Method Blank	Total/NA	Water	Distill/Ammonia	
LCS 500-810288/2-A	Lab Control Sample	Total/NA	Water	Distill/Ammonia	
500-264768-1 MS	DKC-03_20250303	Total/NA	Water	Distill/Ammonia	
500-264768-1 MSD	DKC-03_20250303	Total/NA	Water	Distill/Ammonia	

Analysis Batch: 810508

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264768-1	DKC-03_20250303	Total/NA	Water	350.1	810288
500-264768-3	SMW-1_20250303	Total/NA	Water	350.1	810288
500-264768-5	SMW-1SB_20250303	Total/NA	Water	350.1	810288
MB 500-810288/1-A	Method Blank	Total/NA	Water	350.1	810288
LCS 500-810288/2-A	Lab Control Sample	Total/NA	Water	350.1	810288
500-264768-1 MS	DKC-03_20250303	Total/NA	Water	350.1	810288
500-264768-1 MSD	DKC-03_20250303	Total/NA	Water	350.1	810288

Prep Batch: 810624

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264768-7	NB2-3_20250303	Total/NA	Water	Distill/Ammonia	
500-264768-9	EB-01-GW_20250303	Total/NA	Water	Distill/Ammonia	
500-264768-11	LKS-02_20250303	Total/NA	Water	Distill/Ammonia	
500-264768-13	MLC-01_20250303	Total/NA	Water	Distill/Ammonia	
500-264768-15	NB1-1_20250303	Total/NA	Water	Distill/Ammonia	
500-264768-17	NB1-3_20250303	Total/NA	Water	Distill/Ammonia	
MB 500-810624/1-A	Method Blank	Total/NA	Water	Distill/Ammonia	

General Chemistry (Continued)

Prep Batch: 810624 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 500-810624/2-A	Lab Control Sample	Total/NA	Water	Distill/Ammonia	

Analysis Batch: 810879

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264768-7	NB2-3_20250303	Total/NA	Water	350.1	810624
500-264768-9	EB-01-GW_20250303	Total/NA	Water	350.1	810624
500-264768-11	LKS-02_20250303	Total/NA	Water	350.1	810624
500-264768-13	MLC-01_20250303	Total/NA	Water	350.1	810624
500-264768-15	NB1-1_20250303	Total/NA	Water	350.1	810624
500-264768-17	NB1-3_20250303	Total/NA	Water	350.1	810624
MB 500-810624/1-A	Method Blank	Total/NA	Water	350.1	810624
LCS 500-810624/2-A	Lab Control Sample	Total/NA	Water	350.1	810624

Analysis Batch: 810989

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264768-1	DKC-03_20250303	Total/NA	Water	SM 2520B	
500-264768-3	SMW-1_20250303	Total/NA	Water	SM 2520B	
500-264768-5	SMW-1SB_20250303	Total/NA	Water	SM 2520B	
500-264768-7	NB2-3_20250303	Total/NA	Water	SM 2520B	
500-264768-9	EB-01-GW_20250303	Total/NA	Water	SM 2520B	
500-264768-11	LKS-02_20250303	Total/NA	Water	SM 2520B	
500-264768-13	MLC-01_20250303	Total/NA	Water	SM 2520B	
500-264768-15	NB1-1_20250303	Total/NA	Water	SM 2520B	
500-264768-17	NB1-3_20250303	Total/NA	Water	SM 2520B	
500-264768-15 DU	NB1-1_20250303	Total/NA	Water	SM 2520B	

Method: 1630 - Methyl Mercury

Lab Sample ID: MB 350-5644/1-A
Matrix: Water
Analysis Batch: 5728

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 5644

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		03/19/25 12:53	03/20/25 16:27	1

Lab Sample ID: MB 350-5644/2-A
Matrix: Water
Analysis Batch: 5728

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 5644

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		03/19/25 12:53	03/20/25 16:37	1

Lab Sample ID: MB 350-5644/3-A
Matrix: Water
Analysis Batch: 5728

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 5644

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		03/19/25 12:53	03/20/25 16:47	1

Lab Sample ID: LCS 350-5644/4-A
Matrix: Water
Analysis Batch: 5728

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 5644

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Methyl Mercury	1.00	0.835		ng/L		84	65 - 135

Lab Sample ID: LCSD 350-5644/5-A
Matrix: Water
Analysis Batch: 5728

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 5644

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Methyl Mercury	1.00	0.796		ng/L		80	65 - 135	5	35

Lab Sample ID: MB 350-5686/1-A
Matrix: Water
Analysis Batch: 5728

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 5686

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	0.0244	J	0.050	0.022	ng/L		03/20/25 12:01	03/20/25 17:18	1

Lab Sample ID: MB 350-5686/2-A
Matrix: Water
Analysis Batch: 5728

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 5686

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		03/20/25 12:01	03/20/25 17:28	1

Lab Sample ID: MB 350-5686/3-A
Matrix: Water
Analysis Batch: 5728

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 5686

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		03/20/25 12:01	03/20/25 17:38	1

Method: 1630 - Methyl Mercury

Lab Sample ID: LCS 350-5686/4-A
Matrix: Water
Analysis Batch: 5728

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 5686

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Methyl Mercury	1.00	0.733		ng/L		73	65 - 135

Lab Sample ID: LCSD 350-5686/5-A
Matrix: Water
Analysis Batch: 5728

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 5686

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Methyl Mercury	1.00	0.833		ng/L		83	65 - 135	13	35

Lab Sample ID: 500-264768-1 MS
Matrix: Water
Analysis Batch: 5728

Client Sample ID: DKC-03_20250303
Prep Type: Total/NA
Prep Batch: 5686

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Methyl Mercury	0.030	J B	1.00	0.855		ng/L		82	65 - 135

Lab Sample ID: 500-264768-1 MSD
Matrix: Water
Analysis Batch: 5728

Client Sample ID: DKC-03_20250303
Prep Type: Total/NA
Prep Batch: 5686

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Methyl Mercury	0.030	J B	1.00	0.905		ng/L		87	65 - 135	6	35

Lab Sample ID: 500-264768-1 MS
Matrix: Water
Analysis Batch: 5728

Client Sample ID: DKC-03_20250303
Prep Type: Dissolved
Prep Batch: 5686

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Methyl Mercury	0.032	J B	1.00	0.860		ng/L		83	65 - 135

Lab Sample ID: 500-264768-1 MSD
Matrix: Water
Analysis Batch: 5728

Client Sample ID: DKC-03_20250303
Prep Type: Dissolved
Prep Batch: 5686

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Methyl Mercury	0.032	J B	1.00	0.778		ng/L		75	65 - 135	10	35

Method: 1631E - Mercury, Low Level (CVAFS)

Lab Sample ID: MB 350-5444/28
Matrix: Water
Analysis Batch: 5444

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			03/07/25 12:49	1

Method: 1631E - Mercury, Low Level (CVAFS) (Continued)

Lab Sample ID: MB 350-5444/29
Matrix: Water
Analysis Batch: 5444

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			03/07/25 12:54	1

Lab Sample ID: MB 350-5444/30
Matrix: Water
Analysis Batch: 5444

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			03/07/25 12:58	1

Lab Sample ID: LCS 350-5444/32
Matrix: Water
Analysis Batch: 5444

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	5.00	5.00		ng/L		100	77 - 123

Lab Sample ID: LCSD 350-5444/41
Matrix: Water
Analysis Batch: 5444

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	5.00	4.88		ng/L		98	77 - 123	3	24

Lab Sample ID: 500-264768-1 MS
Matrix: Water
Analysis Batch: 5444

Client Sample ID: DKC-03_20250303
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	6.6		10.0	16.0		ng/L		95	71 - 125

Lab Sample ID: 500-264768-1 MSD
Matrix: Water
Analysis Batch: 5444

Client Sample ID: DKC-03_20250303
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	6.6		10.0	15.1		ng/L		85	71 - 125	6	24

Lab Sample ID: MB 350-5476/28
Matrix: Water
Analysis Batch: 5476

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			03/10/25 14:03	1

Lab Sample ID: MB 350-5476/29
Matrix: Water
Analysis Batch: 5476

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			03/10/25 14:07	1

Method: 1631E - Mercury, Low Level (CVAFS)

Lab Sample ID: MB 350-5476/30
Matrix: Water
Analysis Batch: 5476

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			03/10/25 14:11	1

Lab Sample ID: MB 350-5476/31
Matrix: Water
Analysis Batch: 5476

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			03/10/25 14:15	1

Lab Sample ID: MB 350-5476/34
Matrix: Water
Analysis Batch: 5476

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			03/10/25 14:27	1

Lab Sample ID: MB 350-5476/35
Matrix: Water
Analysis Batch: 5476

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			03/10/25 14:32	1

Lab Sample ID: LCS 350-5476/40
Matrix: Water
Analysis Batch: 5476

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury			5.00	4.51		ng/L		90	77 - 123		

Lab Sample ID: LCS 350-5476/42
Matrix: Water
Analysis Batch: 5476

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury			5.00	4.24		ng/L		85	77 - 123		

Lab Sample ID: LCSD 350-5476/41
Matrix: Water
Analysis Batch: 5476

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury			5.00	4.36		ng/L		87	77 - 123	3	24

Lab Sample ID: LCSD 350-5476/43
Matrix: Water
Analysis Batch: 5476

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury			5.00	4.15		ng/L		83	77 - 123	2	24

Method: 1631E - Mercury, Low Level (CVAFS)

Lab Sample ID: 500-264768-1 MS
Matrix: Water
Analysis Batch: 5444

Client Sample ID: DKC-03_20250303
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury	4.5		5.00	9.16		ng/L		92	71 - 125		

Lab Sample ID: 500-264768-1 MSD
Matrix: Water
Analysis Batch: 5444

Client Sample ID: DKC-03_20250303
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	4.5		5.00	8.85		ng/L		86	71 - 125	3	24

Method: 1638 - Metals (ICP/MS)

Lab Sample ID: MB 350-5549/1-A
Matrix: Water
Analysis Batch: 5599

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 5549

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	<0.0098		0.050	0.0098	ug/L		03/14/25 11:45	03/14/25 22:03	1

Lab Sample ID: MB 350-5549/2-A
Matrix: Water
Analysis Batch: 5599

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 5549

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	<0.0098		0.050	0.0098	ug/L		03/14/25 11:45	03/14/25 22:06	1

Lab Sample ID: LCS 350-5549/3-A
Matrix: Water
Analysis Batch: 5599

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 5549

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Uranium			25.0	23.7		ug/L		95	85 - 115		

Lab Sample ID: LCSD 350-5549/4-A
Matrix: Water
Analysis Batch: 5599

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 5549

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Uranium			25.0	23.7		ug/L		95	85 - 115	0	20

Lab Sample ID: MB 350-5551/1-A
Matrix: Water
Analysis Batch: 5599

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 5551

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	<0.0098		0.050	0.0098	ug/L		03/14/25 11:45	03/15/25 00:02	1

Method: 1638 - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 350-5551/2-A
Matrix: Water
Analysis Batch: 5599

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 5551

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	<0.0098		0.050	0.0098	ug/L		03/14/25 11:45	03/15/25 00:05	1

Lab Sample ID: LCS 350-5551/3-A
Matrix: Water
Analysis Batch: 5599

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 5551

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Uranium	25.0	24.3		ug/L		97	85 - 115

Lab Sample ID: LCSD 350-5551/4-A
Matrix: Water
Analysis Batch: 5599

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 5551

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Uranium	25.0	24.4		ug/L		98	85 - 115	1	20

Lab Sample ID: 500-264768-1 MS
Matrix: Water
Analysis Batch: 5599

Client Sample ID: DKC-03_20250303
Prep Type: Total Recoverable
Prep Batch: 5551

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Uranium	0.20		25.0	25.0		ug/L		99	70 - 130

Lab Sample ID: 500-264768-1 MSD
Matrix: Water
Analysis Batch: 5599

Client Sample ID: DKC-03_20250303
Prep Type: Total Recoverable
Prep Batch: 5551

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Uranium	0.20		25.0	25.1		ug/L		100	70 - 130	1	20

Lab Sample ID: MB 350-5552/1-A
Matrix: Water
Analysis Batch: 5599

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 5552

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	<0.0098		0.050	0.0098	ug/L		03/14/25 11:45	03/15/25 02:01	1

Lab Sample ID: MB 350-5552/2-A
Matrix: Water
Analysis Batch: 5599

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 5552

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	<0.0098		0.050	0.0098	ug/L		03/14/25 11:45	03/15/25 02:05	1

Lab Sample ID: LCS 350-5552/3-A
Matrix: Water
Analysis Batch: 5599

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 5552

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Uranium	25.0	24.3		ug/L		97	85 - 115

Method: 1638 - Metals (ICP/MS)

Lab Sample ID: LCSD 350-5552/4-A
Matrix: Water
Analysis Batch: 5599

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 5552

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Uranium			25.0	24.3		ug/L		97	85 - 115	0	20

Lab Sample ID: 500-264768-1 MS
Matrix: Water
Analysis Batch: 5599

Client Sample ID: DKC-03_20250303
Prep Type: Dissolved
Prep Batch: 5549

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Uranium	0.16		25.0	24.1		ug/L		96	70 - 130		

Lab Sample ID: 500-264768-1 MSD
Matrix: Water
Analysis Batch: 5599

Client Sample ID: DKC-03_20250303
Prep Type: Dissolved
Prep Batch: 5549

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Uranium	0.16		25.0	23.9		ug/L		95	70 - 130	1	20

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 500-809412/1-A
Matrix: Water
Analysis Batch: 810390

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 809412

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<25		100	25	ug/L		03/11/25 08:35	03/18/25 13:56	1
Antimony	<1.3		3.0	1.3	ug/L		03/11/25 08:35	03/18/25 13:56	1
Arsenic	<0.23		1.0	0.23	ug/L		03/11/25 08:35	03/18/25 13:56	1
Barium	<0.73		2.5	0.73	ug/L		03/11/25 08:35	03/18/25 13:56	1
Beryllium	<0.53		1.0	0.53	ug/L		03/11/25 08:35	03/18/25 13:56	1
Boron	<13		50	13	ug/L		03/11/25 08:35	03/18/25 13:56	1
Cadmium	<0.17		0.50	0.17	ug/L		03/11/25 08:35	03/18/25 13:56	1
Calcium	<44		200	44	ug/L		03/11/25 08:35	03/18/25 13:56	1
Chromium	<1.1		5.0	1.1	ug/L		03/11/25 08:35	03/18/25 13:56	1
Cobalt	<0.40		1.0	0.40	ug/L		03/11/25 08:35	03/18/25 13:56	1
Copper	<0.50		2.0	0.50	ug/L		03/11/25 08:35	03/18/25 13:56	1
Iron	<47		100	47	ug/L		03/11/25 08:35	03/18/25 13:56	1
Lead	<0.19		0.50	0.19	ug/L		03/11/25 08:35	03/18/25 13:56	1
Lithium	<2.5		10	2.5	ug/L		03/11/25 08:35	03/18/25 13:56	1
Magnesium	<49		200	49	ug/L		03/11/25 08:35	03/18/25 13:56	1
Manganese	<0.79		2.5	0.79	ug/L		03/11/25 08:35	03/18/25 13:56	1
Molybdenum	<2.5		5.0	2.5	ug/L		03/11/25 08:35	03/18/25 13:56	1
Nickel	<0.63		2.0	0.63	ug/L		03/11/25 08:35	03/18/25 13:56	1
Potassium	<110		500	110	ug/L		03/11/25 08:35	03/18/25 13:56	1
Selenium	<0.98		2.5	0.98	ug/L		03/11/25 08:35	03/18/25 13:56	1
Silver	<0.12		0.50	0.12	ug/L		03/11/25 08:35	03/18/25 13:56	1
Sodium	<77		200	77	ug/L		03/11/25 08:35	03/18/25 13:56	1
Strontium	<0.64		4.0	0.64	ug/L		03/11/25 08:35	03/18/25 13:56	1
Thallium	<0.57		2.0	0.57	ug/L		03/11/25 08:35	03/18/25 13:56	1
Tin	<1.3		5.0	1.3	ug/L		03/11/25 08:35	03/18/25 13:56	1
Vanadium	<2.2		5.0	2.2	ug/L		03/11/25 08:35	03/18/25 13:56	1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 500-809412/1-A
Matrix: Water
Analysis Batch: 810390

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 809412

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	<6.9		20	6.9	ug/L		03/11/25 08:35	03/18/25 13:56	1

Lab Sample ID: LCS 500-809412/2-A
Matrix: Water
Analysis Batch: 810390

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 809412

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	2000	2010		ug/L		100	80 - 120
Antimony	500	541		ug/L		108	80 - 120
Arsenic	100	100		ug/L		100	80 - 120
Barium	500	528		ug/L		106	80 - 120
Beryllium	50.0	50.9		ug/L		102	80 - 120
Boron	1000	1020		ug/L		102	80 - 120
Cadmium	50.0	51.9		ug/L		104	80 - 120
Calcium	10000	8980		ug/L		90	80 - 120
Chromium	200	197		ug/L		99	80 - 120
Cobalt	500	537		ug/L		107	80 - 120
Copper	250	266		ug/L		106	80 - 120
Iron	1000	1060		ug/L		106	80 - 120
Lead	100	104		ug/L		104	80 - 120
Lithium	100	103		ug/L		103	80 - 120
Magnesium	10000	10800		ug/L		108	80 - 120
Manganese	500	527		ug/L		105	80 - 120
Molybdenum	1000	1010		ug/L		101	80 - 120
Nickel	500	542		ug/L		108	80 - 120
Potassium	10000	10900		ug/L		109	80 - 120
Selenium	100	105		ug/L		105	80 - 120
Silver	50.0	52.4		ug/L		105	80 - 120
Sodium	10000	10500		ug/L		105	80 - 120
Strontium	1000	1060		ug/L		106	80 - 120
Thallium	100	105		ug/L		105	80 - 120
Tin	1000	1050		ug/L		105	80 - 120
Vanadium	500	517		ug/L		103	80 - 120
Zinc	500	512		ug/L		102	80 - 120

Lab Sample ID: 500-264768-1 MS
Matrix: Water
Analysis Batch: 810390

Client Sample ID: DKC-03_20250303
Prep Type: Total Recoverable
Prep Batch: 809412

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	1100	F1	2000	3580		ug/L		123	75 - 125
Antimony	<1.3		500	528		ug/L		106	75 - 125
Arsenic	0.38	J	100	98.2		ug/L		98	75 - 125
Barium	27		500	545		ug/L		103	75 - 125
Beryllium	<0.53		50.0	49.1		ug/L		98	75 - 125
Boron	21	J	1000	1040		ug/L		102	75 - 125
Cadmium	<0.17		50.0	50.8		ug/L		102	75 - 125
Calcium	8300		10000	17000		ug/L		87	75 - 125
Chromium	1.3	J	200	196		ug/L		97	75 - 125

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 500-264768-1 MS
Matrix: Water
Analysis Batch: 810390

Client Sample ID: DKC-03_20250303
Prep Type: Total Recoverable
Prep Batch: 809412

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Cobalt	<0.40		500	536		ug/L		107	75 - 125
Copper	11		250	273		ug/L		105	75 - 125
Iron	1600		1000	2640		ug/L		107	75 - 125
Lead	0.46	J	100	103		ug/L		103	75 - 125
Lithium	<2.5		100	104		ug/L		104	75 - 125
Magnesium	2300		10000	12900		ug/L		106	75 - 125
Manganese	22		500	541		ug/L		104	75 - 125
Molybdenum	<2.5		1000	998		ug/L		100	75 - 125
Nickel	0.92	J	500	533		ug/L		106	75 - 125
Potassium	920		10000	11800		ug/L		109	75 - 125
Selenium	<0.98		100	101		ug/L		101	75 - 125
Silver	<0.12		50.0	51.5		ug/L		103	75 - 125
Sodium	1300		10000	11600		ug/L		103	75 - 125
Strontium	30		1000	1060		ug/L		103	75 - 125
Thallium	<0.57		100	105		ug/L		105	75 - 125
Tin	<1.3		1000	1040		ug/L		104	75 - 125
Vanadium	2.3	J	500	509		ug/L		101	75 - 125
Zinc	<6.9		500	506		ug/L		101	75 - 125

Lab Sample ID: 500-264768-1 MSD
Matrix: Water
Analysis Batch: 810390

Client Sample ID: DKC-03_20250303
Prep Type: Total Recoverable
Prep Batch: 809412

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum	1100	F1	2000	3690	F1	ug/L		129	75 - 125	3	20
Antimony	<1.3		500	528		ug/L		106	75 - 125	0	20
Arsenic	0.38	J	100	99.6		ug/L		99	75 - 125	1	20
Barium	27		500	545		ug/L		104	75 - 125	0	20
Beryllium	<0.53		50.0	49.6		ug/L		99	75 - 125	1	20
Boron	21	J	1000	1030		ug/L		101	75 - 125	1	20
Cadmium	<0.17		50.0	50.5		ug/L		101	75 - 125	1	20
Calcium	8300		10000	16900		ug/L		86	75 - 125	1	20
Chromium	1.3	J	200	197		ug/L		98	75 - 125	0	20
Cobalt	<0.40		500	531		ug/L		106	75 - 125	1	20
Copper	11		250	274		ug/L		105	75 - 125	0	20
Iron	1600		1000	2650		ug/L		108	75 - 125	0	20
Lead	0.46	J	100	102		ug/L		102	75 - 125	1	20
Lithium	<2.5		100	104		ug/L		104	75 - 125	1	20
Magnesium	2300		10000	13100		ug/L		107	75 - 125	1	20
Manganese	22		500	556		ug/L		107	75 - 125	3	20
Molybdenum	<2.5		1000	986		ug/L		99	75 - 125	1	20
Nickel	0.92	J	500	534		ug/L		107	75 - 125	0	20
Potassium	920		10000	11800		ug/L		108	75 - 125	0	20
Selenium	<0.98		100	100		ug/L		100	75 - 125	1	20
Silver	<0.12		50.0	51.7		ug/L		103	75 - 125	0	20
Sodium	1300		10000	11600		ug/L		103	75 - 125	0	20
Strontium	30		1000	1060		ug/L		103	75 - 125	0	20
Thallium	<0.57		100	104		ug/L		104	75 - 125	1	20
Tin	<1.3		1000	1040		ug/L		104	75 - 125	0	20

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 500-264768-1 MSD
Matrix: Water
Analysis Batch: 810390

Client Sample ID: DKC-03_20250303
Prep Type: Total Recoverable
Prep Batch: 809412

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Vanadium	2.3	J	500	510		ug/L		102	75 - 125	0	20
Zinc	<6.9		500	507		ug/L		101	75 - 125	0	20

Lab Sample ID: 500-264768-1 DU
Matrix: Water
Analysis Batch: 810390

Client Sample ID: DKC-03_20250303
Prep Type: Total Recoverable
Prep Batch: 809412

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Aluminum	1100	F1	1180		ug/L		6	20
Antimony	<1.3		<1.3		ug/L		NC	20
Arsenic	0.38	J	0.365	J	ug/L		3	20
Barium	27		27.5		ug/L		0.4	20
Beryllium	<0.53		<0.53		ug/L		NC	20
Boron	21	J	14.5	J F5	ug/L		37	20
Cadmium	<0.17		<0.17		ug/L		NC	20
Calcium	8300		8360		ug/L		0.6	20
Chromium	1.3	J	1.41	J	ug/L		8	20
Cobalt	<0.40		<0.40		ug/L		NC	20
Copper	11		10.7		ug/L		0.1	20
Iron	1600		1610		ug/L		3	20
Lead	0.46	J	0.462	J	ug/L		2	20
Lithium	<2.5		<2.5		ug/L		NC	20
Magnesium	2300		2340		ug/L		0.4	20
Manganese	22		22.4		ug/L		2	20
Molybdenum	<2.5		<2.5		ug/L		NC	20
Nickel	0.92	J	1.25	J F5	ug/L		30	20
Potassium	920		926		ug/L		0.4	20
Selenium	<0.98		<0.98		ug/L		NC	20
Silver	<0.12		<0.12		ug/L		NC	20
Sodium	1300		1340		ug/L		0	20
Strontium	30		30.1		ug/L		0	20
Thallium	<0.57		<0.57		ug/L		NC	20
Tin	<1.3		<1.3		ug/L		NC	20
Vanadium	2.3	J	2.37	J	ug/L		4	20
Zinc	<6.9		<6.9		ug/L		NC	20

Lab Sample ID: 500-264768-1 MS
Matrix: Water
Analysis Batch: 810390

Client Sample ID: DKC-03_20250303
Prep Type: Dissolved
Prep Batch: 809412

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	450		2000	2550		ug/L		105	75 - 125
Antimony	<1.3		500	479		ug/L		96	75 - 125
Arsenic	0.24	J	100	91.2		ug/L		91	75 - 125
Barium	22		500	487		ug/L		93	75 - 125
Boron	26	J	1000	960		ug/L		93	75 - 125
Cadmium	<0.17		50.0	46.2		ug/L		92	75 - 125
Calcium	8500	F1	10000	15500	F1	ug/L		70	75 - 125
Chromium	<1.1		200	181		ug/L		91	75 - 125

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 500-264768-1 MS
Matrix: Water
Analysis Batch: 810390

Client Sample ID: DKC-03_20250303
Prep Type: Dissolved
Prep Batch: 809412

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Cobalt	<0.40		500	495		ug/L		99	75 - 125
Copper	8.5		250	248		ug/L		96	75 - 125
Iron	740		1000	1700		ug/L		96	75 - 125
Lead	<0.19		100	94.4		ug/L		94	75 - 125
Magnesium	2300		10000	12100		ug/L		98	75 - 125
Manganese	11		500	494		ug/L		97	75 - 125
Nickel	<0.63		500	471		ug/L		94	75 - 125
Potassium	850		10000	10700		ug/L		98	75 - 125
Selenium	<0.98		100	90.8		ug/L		91	75 - 125
Silver	<0.12		50.0	47.4		ug/L		95	75 - 125
Sodium	1400		10000	10800		ug/L		94	75 - 125
Thallium	<0.57		100	96.3		ug/L		96	75 - 125
Zinc	<6.9		500	461		ug/L		92	75 - 125

Lab Sample ID: 500-264768-1 MS
Matrix: Water
Analysis Batch: 810489

Client Sample ID: DKC-03_20250303
Prep Type: Dissolved
Prep Batch: 809412

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Beryllium	<0.53		50.0	53.9		ug/L		108	75 - 125
Lithium	<2.5		100	108		ug/L		108	75 - 125
Molybdenum	<2.5		1000	1030		ug/L		103	75 - 125
Strontium	29		1000	1030		ug/L		100	75 - 125
Tin	<1.3		1000	1040		ug/L		104	75 - 125
Vanadium	<2.2		500	532		ug/L		106	75 - 125

Lab Sample ID: 500-264768-1 MSD
Matrix: Water
Analysis Batch: 810390

Client Sample ID: DKC-03_20250303
Prep Type: Dissolved
Prep Batch: 809412

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum	450		2000	2530		ug/L		104	75 - 125	1	20
Antimony	<1.3		500	481		ug/L		96	75 - 125	0	20
Arsenic	0.24	J	100	89.9		ug/L		90	75 - 125	1	20
Barium	22		500	495		ug/L		94	75 - 125	2	20
Boron	26	J	1000	961		ug/L		94	75 - 125	0	20
Cadmium	<0.17		50.0	46.2		ug/L		92	75 - 125	0	20
Calcium	8500	F1	10000	15300	F1	ug/L		68	75 - 125	1	20
Chromium	<1.1		200	179		ug/L		89	75 - 125	1	20
Cobalt	<0.40		500	489		ug/L		98	75 - 125	1	20
Copper	8.5		250	247		ug/L		95	75 - 125	1	20
Iron	740		1000	1640		ug/L		90	75 - 125	4	20
Lead	<0.19		100	94.1		ug/L		94	75 - 125	0	20
Magnesium	2300		10000	11900		ug/L		96	75 - 125	2	20
Manganese	11		500	485		ug/L		95	75 - 125	2	20
Nickel	<0.63		500	470		ug/L		94	75 - 125	0	20
Potassium	850		10000	10600		ug/L		97	75 - 125	1	20
Selenium	<0.98		100	91.2		ug/L		91	75 - 125	0	20
Silver	<0.12		50.0	47.3		ug/L		95	75 - 125	0	20

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 500-264768-1 MSD
Matrix: Water
Analysis Batch: 810390

Client Sample ID: DKC-03_20250303
Prep Type: Dissolved
Prep Batch: 809412

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sodium	1400		10000	10800		ug/L		93	75 - 125	1	20
Thallium	<0.57		100	95.8		ug/L		96	75 - 125	1	20
Zinc	<6.9		500	460		ug/L		92	75 - 125	0	20

Lab Sample ID: 500-264768-1 MSD
Matrix: Water
Analysis Batch: 810489

Client Sample ID: DKC-03_20250303
Prep Type: Dissolved
Prep Batch: 809412

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Beryllium	<0.53		50.0	53.0		ug/L		106	75 - 125	2	20
Lithium	<2.5		100	108		ug/L		108	75 - 125	0	20
Molybdenum	<2.5		1000	1020		ug/L		102	75 - 125	1	20
Strontium	29		1000	1020		ug/L		99	75 - 125	1	20
Tin	<1.3		1000	1040		ug/L		104	75 - 125	1	20
Vanadium	<2.2		500	528		ug/L		106	75 - 125	1	20

Lab Sample ID: 500-264768-1 DU
Matrix: Water
Analysis Batch: 810390

Client Sample ID: DKC-03_20250303
Prep Type: Dissolved
Prep Batch: 809412

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Aluminum	450		415		ug/L		8	20
Antimony	<1.3		<1.3		ug/L		NC	20
Arsenic	0.24	J	0.241	J	ug/L		1	20
Barium	22		19.4		ug/L		14	20
Boron	26	J	16.8	J F5	ug/L		43	20
Cadmium	<0.17		<0.17		ug/L		NC	20
Calcium	8500	F1	7450		ug/L		13	20
Chromium	<1.1		<1.1		ug/L		NC	20
Cobalt	<0.40		<0.40		ug/L		NC	20
Copper	8.5		7.54		ug/L		12	20
Iron	740		642		ug/L		14	20
Lead	<0.19		0.193	J	ug/L		NC	20
Magnesium	2300		2030		ug/L		13	20
Manganese	11		10.0		ug/L		13	20
Nickel	<0.63		<0.63		ug/L		NC	20
Potassium	850		737		ug/L		15	20
Selenium	<0.98		<0.98		ug/L		NC	20
Silver	<0.12		<0.12		ug/L		NC	20
Sodium	1400		1230		ug/L		14	20
Thallium	<0.57		<0.57		ug/L		NC	20
Zinc	<6.9		<6.9		ug/L		NC	20

Lab Sample ID: 500-264768-1 DU
Matrix: Water
Analysis Batch: 810489

Client Sample ID: DKC-03_20250303
Prep Type: Dissolved
Prep Batch: 809412

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Beryllium	<0.53		<0.53		ug/L		NC	20

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 500-264768-1 DU
Matrix: Water
Analysis Batch: 810489

Client Sample ID: DKC-03_20250303
Prep Type: Dissolved
Prep Batch: 809412

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Lithium	<2.5		<2.5		ug/L		NC	20
Molybdenum	<2.5		<2.5		ug/L		NC	20
Strontium	29		28.1		ug/L		4	20
Tin	<1.3		<1.3		ug/L		NC	20
Vanadium	<2.2		<2.2		ug/L		NC	20

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 500-808701/10
Matrix: Water
Analysis Batch: 808701

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	<0.37		1.0	0.37	mg/L			03/05/25 11:58	1
Nitrite as N	<0.25		1.0	0.25	mg/L			03/05/25 11:58	1
Nitrate Nitrite as N	<0.37		1.0	0.37	mg/L			03/05/25 11:58	1

Lab Sample ID: LCS 500-808701/11
Matrix: Water
Analysis Batch: 808701

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate as N	20.0	19.4		mg/L		97	90 - 110
Nitrite as N	20.0	19.8		mg/L		99	90 - 110
Nitrate Nitrite as N	40.0	39.2		mg/L		98	90 - 110

Lab Sample ID: 500-264768-1 MS
Matrix: Water
Analysis Batch: 808701

Client Sample ID: DKC-03_20250303
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate as N	<0.37		2.26	2.11		mg/L		93	80 - 120
Nitrite as N	<0.25		3.03	2.81		mg/L		93	80 - 120
Nitrate Nitrite as N	<0.37		5.29	4.92		mg/L		93	80 - 120

Lab Sample ID: 500-264768-1 MSD
Matrix: Water
Analysis Batch: 808701

Client Sample ID: DKC-03_20250303
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrate as N	<0.37		2.26	2.24	H	mg/L		99	80 - 120	6	20
Nitrite as N	<0.25		3.03	3.15	H	mg/L		104	80 - 120	11	20
Nitrate Nitrite as N	<0.37		5.29	5.39	H	mg/L		102	80 - 120	9	20

Lab Sample ID: MB 500-809688/3
Matrix: Water
Analysis Batch: 809688

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	<0.45		1.0	0.45	mg/L			03/13/25 10:03	1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: MB 500-809688/3
Matrix: Water
Analysis Batch: 809688

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.42		1.0	0.42	mg/L			03/13/25 10:03	1
Fluoride	<0.43		1.0	0.43	mg/L			03/13/25 10:03	1
Sulfate	<0.47		1.0	0.47	mg/L			03/13/25 10:03	1

Lab Sample ID: LCS 500-809688/4
Matrix: Water
Analysis Batch: 809688

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bromide	20.0	18.8		mg/L		94	90 - 110
Chloride	20.0	19.6		mg/L		98	90 - 110
Fluoride	20.0	18.9		mg/L		94	90 - 110
Sulfate	20.0	20.0		mg/L		100	90 - 110

Lab Sample ID: 500-264768-1 MS
Matrix: Water
Analysis Batch: 809688

Client Sample ID: DKC-03_20250303
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Bromide	<0.45		10.0	9.78		mg/L		98	80 - 120
Chloride	0.90	J	10.0	10.3		mg/L		94	80 - 120
Fluoride	<0.43		10.0	9.57		mg/L		96	80 - 120
Sulfate	1.7		10.0	11.5		mg/L		98	80 - 120

Lab Sample ID: 500-264768-1 MSD
Matrix: Water
Analysis Batch: 809688

Client Sample ID: DKC-03_20250303
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Bromide	<0.45		10.0	9.91		mg/L		99	80 - 120	1	20
Chloride	0.90	J	10.0	10.5		mg/L		96	80 - 120	1	20
Fluoride	<0.43		10.0	9.70		mg/L		97	80 - 120	1	20
Sulfate	1.7		10.0	11.7		mg/L		100	80 - 120	2	20

Method: 335.4 - Cyanide, Total

Lab Sample ID: MB 500-808951/1-A
Matrix: Water
Analysis Batch: 809020

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 808951

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.0036		0.0050	0.0036	mg/L		03/06/25 15:08	03/06/25 16:31	1

Lab Sample ID: LCS 500-808951/2-A
Matrix: Water
Analysis Batch: 809020

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 808951

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.100	0.0950		mg/L		95	90 - 110

Method: 335.4 - Cyanide, Total (Continued)

Lab Sample ID: 500-264768-1 MS — **Client Sample ID: DKC-03_20250303**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 809020 — **Prep Batch: 808951**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	<0.0036		0.100	0.0970		mg/L		97	90 - 110

Lab Sample ID: 500-264768-1 MSD — **Client Sample ID: DKC-03_20250303**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 809020 — **Prep Batch: 808951**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Cyanide, Total	<0.0036		0.100	0.0980		mg/L		98	90 - 110	1	20

Method: 350.1 - Nitrogen, Ammonia

Lab Sample ID: MB 500-810288/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 810508 — **Prep Batch: 810288**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	<0.10		0.20	0.10	mg/L		03/18/25 13:50	03/19/25 15:47	1

Lab Sample ID: LCS 500-810288/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 810508 — **Prep Batch: 810288**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ammonia	2.00	1.93		mg/L		97	90 - 110

Lab Sample ID: 500-264768-1 MS — **Client Sample ID: DKC-03_20250303**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 810508 — **Prep Batch: 810288**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ammonia	<0.10		2.00	1.88		mg/L		94	90 - 110

Lab Sample ID: 500-264768-1 MSD — **Client Sample ID: DKC-03_20250303**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 810508 — **Prep Batch: 810288**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Ammonia	<0.10		2.00	1.90		mg/L		95	90 - 110	1	20

Lab Sample ID: MB 500-810624/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 810879 — **Prep Batch: 810624**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	<0.10		0.20	0.10	mg/L		03/20/25 14:21	03/21/25 17:18	1

Method: 350.1 - Nitrogen, Ammonia (Continued)

Lab Sample ID: LCS 500-810624/2-A
Matrix: Water
Analysis Batch: 810879

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 810624

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ammonia	2.00	2.08		mg/L		104	90 - 110

Method: 365.1 - Phosphorus, Total

Lab Sample ID: MB 500-809361/1-A
Matrix: Water
Analysis Batch: 809855

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 809361

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phosphorus as P	<0.024		0.050	0.024	mg/L		03/11/25 07:30	03/13/25 11:07	1

Lab Sample ID: LCS 500-809361/2-A
Matrix: Water
Analysis Batch: 809855

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 809361

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Phosphorus as P	1.00	0.934		mg/L		93	88 - 123

Lab Sample ID: 500-264768-1 MS
Matrix: Water
Analysis Batch: 809855

Client Sample ID: DKC-03_20250303
Prep Type: Total/NA
Prep Batch: 809361

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Phosphorus as P	0.038	J	1.00	0.979		mg/L		94	75 - 125

Lab Sample ID: 500-264768-1 MSD
Matrix: Water
Analysis Batch: 809855

Client Sample ID: DKC-03_20250303
Prep Type: Total/NA
Prep Batch: 809361

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Phosphorus as P	0.038	J	1.00	1.01		mg/L		97	75 - 125	3	20

Method: SM 2320B - Alkalinity

Lab Sample ID: MB 500-809213/31
Matrix: Water
Analysis Batch: 809213

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	<3.7		5.0	3.7	mg/L			03/09/25 14:04	1
Bicarbonate Alkalinity as CaCO3	<3.7		5.0	3.7	mg/L			03/09/25 14:04	1
Carbonate Alkalinity as CaCO3	<3.7		5.0	3.7	mg/L			03/09/25 14:04	1

Lab Sample ID: LCS 500-809213/4
Matrix: Water
Analysis Batch: 809213

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Alkalinity	100	105		mg/L		105	95 - 121

Method: SM 2520B - Salinity

Lab Sample ID: 500-264768-15 DU
Matrix: Water
Analysis Batch: 810989

Client Sample ID: NB1-1_20250303
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Salinity	0.40		0.403		psu		0	

Method: SM 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 500-809207/1
Matrix: Water
Analysis Batch: 809207

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<4.3		10	4.3	mg/L			03/10/25 02:15	1

Lab Sample ID: LCS 500-809207/2
Matrix: Water
Analysis Batch: 809207

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	250	248		mg/L		99	80 - 120

Lab Sample ID: 500-264768-1 MS
Matrix: Water
Analysis Batch: 809207

Client Sample ID: DKC-03_20250303
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	32		250	296		mg/L		106	75 - 125

Lab Sample ID: 500-264768-1 MSD
Matrix: Water
Analysis Batch: 809207

Client Sample ID: DKC-03_20250303
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Dissolved Solids	32		250	308		mg/L		110	75 - 125	4	20

Lab Sample ID: 500-264768-3 DU
Matrix: Water
Analysis Batch: 809207

Client Sample ID: SMW-1_20250303
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	200		192		mg/L		4	5

Method: SM 2540D - Solids, Total Suspended (TSS)

Lab Sample ID: MB 500-809137/1
Matrix: Water
Analysis Batch: 809137

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	<1.9		5.0	1.9	mg/L			03/07/25 14:56	1

Method: SM 2540D - Solids, Total Suspended (TSS) (Continued)

Lab Sample ID: LCS 500-809137/2
Matrix: Water
Analysis Batch: 809137

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Suspended Solids			200	206		mg/L		103	80 - 120		

Lab Sample ID: 500-264768-1 MS
Matrix: Water
Analysis Batch: 809137

Client Sample ID: DKC-03_20250303
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Suspended Solids	2.4	J	100	94.0		mg/L		92	75 - 125		

Lab Sample ID: 500-264768-1 MSD
Matrix: Water
Analysis Batch: 809137

Client Sample ID: DKC-03_20250303
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Suspended Solids	2.4	J	100	94.0		mg/L		92	75 - 125	0	20

Method: SM 4500 S2 F - Sulfide, Total

Lab Sample ID: MB 500-808939/1
Matrix: Water
Analysis Batch: 808939

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	0.974	J	1.0	0.23	mg/L			03/06/25 13:30	1

Lab Sample ID: LCS 500-808939/2
Matrix: Water
Analysis Batch: 808939

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Sulfide			3.26	3.64		mg/L		112	85 - 115		

Lab Sample ID: 500-264768-1 MS
Matrix: Water
Analysis Batch: 808939

Client Sample ID: DKC-03_20250303
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Sulfide	2.2	J B	8.15	10.2		mg/L		99	75 - 125		

Lab Sample ID: 500-264768-1 MSD
Matrix: Water
Analysis Batch: 808939

Client Sample ID: DKC-03_20250303
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfide	2.2	J B	8.15	10.3		mg/L		100	75 - 125	1	20

Method: SM 5310C - TOC

Lab Sample ID: MB 500-809866/7
Matrix: Water
Analysis Batch: 809866

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	<0.47		1.0	0.47	mg/L			03/12/25 18:47	1

Lab Sample ID: LCS 500-809866/8
Matrix: Water
Analysis Batch: 809866

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Organic Carbon	10.0	10.2		mg/L		102	86 - 116

Lab Sample ID: 500-264768-1 MS
Matrix: Water
Analysis Batch: 809866

Client Sample ID: DKC-03_20250303
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Total Organic Carbon	8.1		10.0	18.5		mg/L		104	75 - 125

Lab Sample ID: 500-264768-1 MSD
Matrix: Water
Analysis Batch: 809866

Client Sample ID: DKC-03_20250303
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Organic Carbon	8.1		10.0	18.6		mg/L		105	75 - 125	1	20

Method: SM 5310C - Organic Carbon, Dissolved (DOC)

Lab Sample ID: MB 500-810020/31
Matrix: Water
Analysis Batch: 810020

Client Sample ID: Method Blank
Prep Type: Dissolved

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon	<0.47		1.0	0.47	mg/L			03/13/25 07:41	1

Lab Sample ID: LCS 500-810020/32
Matrix: Water
Analysis Batch: 810020

Client Sample ID: Lab Control Sample
Prep Type: Dissolved

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Dissolved Organic Carbon	10.0	10.2		mg/L		102	86 - 116

Lab Sample ID: 500-264768-1 MS
Matrix: Water
Analysis Batch: 810020

Client Sample ID: DKC-03_20250303
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Dissolved Organic Carbon	8.0		10.0	17.8		mg/L		98	75 - 125

Method: SM 5310C - Organic Carbon, Dissolved (DOC) (Continued)

Lab Sample ID: 500-264768-1 MSD
Matrix: Water
Analysis Batch: 810020

Client Sample ID: DKC-03_20250303
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Dissolved Organic Carbon	8.0		10.0	17.9		mg/L		99	75 - 125	1	20

Lab Chronicle

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264768-1

Client Sample ID: DKC-03_20250303

Lab Sample ID: 500-264768-1

Date Collected: 03/03/25 15:00
Date Received: 03/05/25 10:40

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	1630			5686	JS	EET SSM	03/20/25 12:01
Dissolved	Analysis	1630		1	5728	COW	EET SSM	03/20/25 23:45
Total/NA	Prep	1630			5686	JS	EET SSM	03/20/25 12:01
Total/NA	Analysis	1630		1	5728	COW	EET SSM	03/20/25 23:14
Dissolved	Analysis	1631E		1	5444	D1C	EET SSM	03/07/25 12:41
Total/NA	Analysis	1631E		1	5444	D1C	EET SSM	03/07/25 13:39
Dissolved	Prep	1638			5549	V1R	EET SSM	03/14/25 11:45
Dissolved	Analysis	1638		1	5599	V1R	EET SSM	03/14/25 22:16
Total Recoverable	Prep	1638			5551	V1R	EET SSM	03/14/25 11:45
Total Recoverable	Analysis	1638		1	5599	V1R	EET SSM	03/15/25 00:16
Dissolved	Prep	3005A			809412	BDE	EET CHI	03/11/25 08:35 - 03/11/25 14:35 [1]
Dissolved	Analysis	6020B		1	810489	RN	EET CHI	03/19/25 12:54
Dissolved	Prep	3005A			809412	BDE	EET CHI	03/11/25 08:35 - 03/11/25 14:35 [1]
Dissolved	Analysis	6020B		1	810390	RN	EET CHI	03/18/25 14:42
Total Recoverable	Prep	3005A			809412	BDE	EET CHI	03/11/25 08:35 - 03/11/25 14:35 [1]
Total Recoverable	Analysis	6020B		1	810390	RN	EET CHI	03/18/25 14:01
Total Recoverable	Prep	3005A			809412	BDE	EET CHI	03/11/25 08:35 - 03/11/25 14:35 [1]
Total Recoverable	Analysis	SM 2340B		1	810438	DAJ	EET CHI	03/19/25 10:54
Total/NA	Analysis	300.0		1	808701	MB	EET CHI	03/05/25 13:35
Total/NA	Analysis	300.0		1	809688	MM	EET CHI	03/13/25 11:36
Total/NA	Prep	Distill/CN			808951	AC	EET CHI	03/06/25 15:08 - 03/06/25 15:38 [1]
Total/NA	Analysis	335.4		1	809020	AC	EET CHI	03/06/25 16:33
Total/NA	Prep	Distill/Ammonia			810288	EB	EET CHI	03/18/25 13:50 - 03/18/25 14:50 [1]
Total/NA	Analysis	350.1		1	810508	EB	EET CHI	03/19/25 15:54
Total/NA	Prep	365.2/365.3/365			809361	MF	EET CHI	03/11/25 07:30 - 03/11/25 11:30 [1]
Total/NA	Analysis	365.1		1	809855	KF	EET CHI	03/13/25 11:09
Total/NA	Analysis	SM 2320B		1	809213	AC	EET CHI	03/09/25 11:41
Total/NA	Analysis	SM 2520B		1	810989	AC	EET CHI	03/24/25 10:59
Total/NA	Analysis	SM 2540C		1	809207	CLB	EET CHI	03/10/25 02:46
Total/NA	Analysis	SM 2540D		1	809137	SO	EET CHI	03/07/25 15:19 - 03/07/25 15:21 [1]
Total/NA	Analysis	SM 4500 S2 F		1	808939	SO	EET CHI	03/06/25 13:56 - 03/06/25 14:00 [1]
Dissolved	Analysis	SM 5310C		1	810020	TR	EET CHI	03/13/25 09:18
Total/NA	Analysis	SM 5310C		1	809866	TR	EET CHI	03/12/25 22:00

Client Sample ID: DKC-03_20250303_FBLL

Lab Sample ID: 500-264768-2

Date Collected: 03/03/25 15:00
Date Received: 03/05/25 10:40

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	1631E		1	5444	D1C	EET SSM	03/07/25 16:21

Lab Chronicle

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264768-1

Client Sample ID: SMW-1_20250303

Lab Sample ID: 500-264768-3

Date Collected: 03/03/25 14:45
Matrix: Water
Date Received: 03/05/25 10:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	1630			5686	JS	EET SSM	03/20/25 12:01
Dissolved	Analysis	1630		1	5728	COW	EET SSM	03/21/25 02:07
Total/NA	Prep	1630			5686	JS	EET SSM	03/20/25 12:01
Total/NA	Analysis	1630		1	5728	COW	EET SSM	03/21/25 01:57
Dissolved	Analysis	1631E		1	5444	D1C	EET SSM	03/07/25 16:29
Total/NA	Analysis	1631E		1	5444	D1C	EET SSM	03/07/25 16:25
Dissolved	Prep	1638			5549	V1R	EET SSM	03/14/25 11:45
Dissolved	Analysis	1638		1	5599	V1R	EET SSM	03/14/25 23:30
Total Recoverable	Prep	1638			5551	V1R	EET SSM	03/14/25 11:45
Total Recoverable	Analysis	1638		1	5599	V1R	EET SSM	03/15/25 01:29
Dissolved	Prep	3005A			809412	BDE	EET CHI	03/11/25 08:35 - 03/11/25 14:35 [1]
Dissolved	Analysis	6020B		1	810489	RN	EET CHI	03/19/25 13:11
Dissolved	Prep	3005A			809412	BDE	EET CHI	03/11/25 08:35 - 03/11/25 14:35 [1]
Dissolved	Analysis	6020B		1	810390	RN	EET CHI	03/18/25 14:59
Total Recoverable	Prep	3005A			809412	BDE	EET CHI	03/11/25 08:35 - 03/11/25 14:35 [1]
Total Recoverable	Analysis	6020B		1	810390	RN	EET CHI	03/18/25 14:13
Total Recoverable	Prep	3005A			809412	BDE	EET CHI	03/11/25 08:35 - 03/11/25 14:35 [1]
Total Recoverable	Analysis	SM 2340B		1	810438	DAJ	EET CHI	03/19/25 10:54
Total/NA	Analysis	300.0		1	808701	MB	EET CHI	03/05/25 14:22
Total/NA	Analysis	300.0		1	809688	MM	EET CHI	03/13/25 12:23
Total/NA	Prep	Distill/CN			808951	AC	EET CHI	03/06/25 15:08 - 03/06/25 15:38 [1]
Total/NA	Analysis	335.4		1	809020	AC	EET CHI	03/06/25 16:35
Total/NA	Prep	Distill/Ammonia			810288	EB	EET CHI	03/18/25 13:50 - 03/18/25 14:50 [1]
Total/NA	Analysis	350.1		1	810508	EB	EET CHI	03/19/25 15:58
Total/NA	Prep	365.2/365.3/365			809361	MF	EET CHI	03/11/25 07:30 - 03/11/25 11:30 [1]
Total/NA	Analysis	365.1		1	809855	KF	EET CHI	03/13/25 11:12
Total/NA	Analysis	SM 2320B		1	809213	AC	EET CHI	03/09/25 11:49
Total/NA	Analysis	SM 2520B		1	810989	AC	EET CHI	03/24/25 10:59
Total/NA	Analysis	SM 2540C		1	809207	CLB	EET CHI	03/10/25 02:53
Total/NA	Analysis	SM 2540D		1	809137	SO	EET CHI	03/07/25 15:25 - 03/07/25 15:27 [1]
Total/NA	Analysis	SM 4500 S2 F		1	808939	SO	EET CHI	03/06/25 14:07 - 03/06/25 14:11 [1]
Dissolved	Analysis	SM 5310C		1	810020	TR	EET CHI	03/13/25 10:55
Total/NA	Analysis	SM 5310C		1	809866	TR	EET CHI	03/12/25 23:37

Client Sample ID: SMW-1_20250303_FBLL

Lab Sample ID: 500-264768-4

Date Collected: 03/03/25 14:45
Matrix: Water
Date Received: 03/05/25 10:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	1631E		1	5444	D1C	EET SSM	03/07/25 16:34

Lab Chronicle

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264768-1

Client Sample ID: SMW-1SB_20250303

Date Collected: 03/03/25 16:10
Date Received: 03/05/25 10:40

Lab Sample ID: 500-264768-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	1630			5686	JS	EET SSM	03/20/25 12:01
Dissolved	Analysis	1630		1	5728	COW	EET SSM	03/21/25 02:48
Total/NA	Prep	1630			5686	JS	EET SSM	03/20/25 12:01
Total/NA	Analysis	1630		1	5728	COW	EET SSM	03/21/25 02:38
Dissolved	Analysis	1631E		1	5444	D1C	EET SSM	03/07/25 16:42
Total/NA	Analysis	1631E		1	5444	D1C	EET SSM	03/07/25 16:38
Dissolved	Prep	1638			5549	V1R	EET SSM	03/14/25 11:45
Dissolved	Analysis	1638		1	5599	V1R	EET SSM	03/14/25 23:34
Total Recoverable	Prep	1638			5551	V1R	EET SSM	03/14/25 11:45
Total Recoverable	Analysis	1638		1	5599	V1R	EET SSM	03/15/25 01:33
Dissolved	Prep	3005A			809412	BDE	EET CHI	03/11/25 08:35 - 03/11/25 14:35 [1]
Dissolved	Analysis	6020B		5	810489	RN	EET CHI	03/19/25 12:39
Dissolved	Prep	3005A			809412	BDE	EET CHI	03/11/25 08:35 - 03/11/25 14:35 [1]
Dissolved	Analysis	6020B		1	810489	RN	EET CHI	03/19/25 13:13
Dissolved	Prep	3005A			809412	BDE	EET CHI	03/11/25 08:35 - 03/11/25 14:35 [1]
Dissolved	Analysis	6020B		1	810390	RN	EET CHI	03/18/25 15:02
Total Recoverable	Prep	3005A			809412	BDE	EET CHI	03/11/25 08:35 - 03/11/25 14:35 [1]
Total Recoverable	Analysis	6020B		5	810489	RN	EET CHI	03/19/25 12:37
Total Recoverable	Prep	3005A			809412	BDE	EET CHI	03/11/25 08:35 - 03/11/25 14:35 [1]
Total Recoverable	Analysis	6020B		1	810390	RN	EET CHI	03/18/25 14:16
Total Recoverable	Prep	3005A			809412	BDE	EET CHI	03/11/25 08:35 - 03/11/25 14:35 [1]
Total Recoverable	Analysis	SM 2340B		1	810438	DAJ	EET CHI	03/19/25 10:54
Total/NA	Analysis	300.0		1	808701	MB	EET CHI	03/05/25 14:37
Total/NA	Analysis	300.0		1	809688	MM	EET CHI	03/13/25 13:10
Total/NA	Prep	Distill/CN			808951	AC	EET CHI	03/06/25 15:08 - 03/06/25 15:38 [1]
Total/NA	Analysis	335.4		1	809020	AC	EET CHI	03/06/25 16:36
Total/NA	Prep	Distill/Ammonia			810288	EB	EET CHI	03/18/25 13:50 - 03/18/25 14:50 [1]
Total/NA	Analysis	350.1		1	810508	EB	EET CHI	03/19/25 15:59
Total/NA	Prep	365.2/365.3/365			809361	MF	EET CHI	03/11/25 07:30 - 03/11/25 11:30 [1]
Total/NA	Analysis	365.1		1	809855	KF	EET CHI	03/13/25 11:13
Total/NA	Analysis	SM 2320B		1	809213	AC	EET CHI	03/09/25 11:59
Total/NA	Analysis	SM 2520B		1	810989	AC	EET CHI	03/24/25 10:59
Total/NA	Analysis	SM 2540C		1	809207	CLB	EET CHI	03/10/25 02:58
Total/NA	Analysis	SM 2540D		1	809137	SO	EET CHI	03/07/25 15:27 - 03/07/25 15:29 [1]
Total/NA	Analysis	SM 4500 S2 F		1	808939	SO	EET CHI	03/06/25 14:11 - 03/06/25 14:15 [1]
Dissolved	Analysis	SM 5310C		1	810020	TR	EET CHI	03/13/25 11:27
Total/NA	Analysis	SM 5310C		1	809866	TR	EET CHI	03/13/25 01:14

Lab Chronicle

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264768-1

Client Sample ID: SMW-1SB_20250303_FBLL

Lab Sample ID: 500-264768-6

Date Collected: 03/03/25 16:10
Matrix: Water
Date Received: 03/05/25 10:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	1631E		1	5444	D1C	EET SSM	03/07/25 16:46

Client Sample ID: NB2-3_20250303

Lab Sample ID: 500-264768-7

Date Collected: 03/03/25 12:35
Matrix: Water
Date Received: 03/05/25 10:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	1630			5686	JS	EET SSM	03/20/25 12:01
Dissolved	Analysis	1630		1	5728	COW	EET SSM	03/21/25 03:09
Total/NA	Prep	1630			5686	JS	EET SSM	03/20/25 12:01
Total/NA	Analysis	1630		1	5728	COW	EET SSM	03/21/25 02:58
Dissolved	Analysis	1631E		1	5444	D1C	EET SSM	03/07/25 17:03
Total/NA	Analysis	1631E		1	5444	D1C	EET SSM	03/07/25 16:50
Dissolved	Prep	1638			5549	V1R	EET SSM	03/14/25 11:45
Dissolved	Analysis	1638		1	5599	V1R	EET SSM	03/14/25 23:37
Total Recoverable	Prep	1638			5551	V1R	EET SSM	03/14/25 11:45
Total Recoverable	Analysis	1638		1	5599	V1R	EET SSM	03/15/25 01:36
Dissolved	Prep	3005A			809412	BDE	EET CHI	03/11/25 08:35 - 03/11/25 14:35 ¹
Dissolved	Analysis	6020B		1	810489	RN	EET CHI	03/19/25 13:28
Dissolved	Prep	3005A			809412	BDE	EET CHI	03/11/25 08:35 - 03/11/25 14:35 ¹
Dissolved	Analysis	6020B		1	810390	RN	EET CHI	03/18/25 15:24
Total Recoverable	Prep	3005A			809412	BDE	EET CHI	03/11/25 08:35 - 03/11/25 14:35 ¹
Total Recoverable	Analysis	6020B		1	810390	RN	EET CHI	03/18/25 14:23
Total Recoverable	Prep	3005A			809412	BDE	EET CHI	03/11/25 08:35 - 03/11/25 14:35 ¹
Total Recoverable	Analysis	SM 2340B		1	810438	DAJ	EET CHI	03/19/25 10:54
Total/NA	Analysis	300.0		1	808701	MB	EET CHI	03/05/25 14:53
Total/NA	Analysis	300.0		1	809688	MM	EET CHI	03/13/25 13:26
Total/NA	Analysis	300.0		10	809688	MM	EET CHI	03/13/25 13:41
Total/NA	Prep	Distill/CN			808951	AC	EET CHI	03/06/25 15:08 - 03/06/25 15:38 ¹
Total/NA	Analysis	335.4		1	809020	AC	EET CHI	03/06/25 16:37
Total/NA	Prep	Distill/Ammonia			810624	EB	EET CHI	03/20/25 14:21 - 03/20/25 15:21 ¹
Total/NA	Analysis	350.1		1	810879	EB	EET CHI	03/21/25 17:18
Total/NA	Prep	365.2/365.3/365			809361	MF	EET CHI	03/11/25 07:30 - 03/11/25 11:30 ¹
Total/NA	Analysis	365.1		1	809855	KF	EET CHI	03/13/25 11:16
Total/NA	Analysis	SM 2320B		1	809213	AC	EET CHI	03/09/25 12:09
Total/NA	Analysis	SM 2520B		1	810989	AC	EET CHI	03/24/25 10:59
Total/NA	Analysis	SM 2540C		1	809207	CLB	EET CHI	03/10/25 03:01
Total/NA	Analysis	SM 2540D		1	809137	SO	EET CHI	03/07/25 15:29 - 03/07/25 15:31 ¹
Total/NA	Analysis	SM 4500 S2 F		1	808939	SO	EET CHI	03/06/25 14:15 - 03/06/25 14:18 ¹
Dissolved	Analysis	SM 5310C		1	810020	TR	EET CHI	03/13/25 12:00
Total/NA	Analysis	SM 5310C		1	809866	TR	EET CHI	03/13/25 01:46

Lab Chronicle

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264768-1

Client Sample ID: NB2-3_20250303_FBLL

Lab Sample ID: 500-264768-8

Date Collected: 03/03/25 12:35

Matrix: Water

Date Received: 03/05/25 10:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	1631E		1	5444	D1C	EET SSM	03/07/25 17:07

Client Sample ID: EB-01-GW_20250303

Lab Sample ID: 500-264768-9

Date Collected: 03/03/25 17:30

Matrix: Water

Date Received: 03/05/25 10:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	1630			5644	AJD	EET SSM	03/19/25 12:53
Total/NA	Analysis	1630		1	5728	COW	EET SSM	03/20/25 21:53
Total/NA	Analysis	1631E		1	5444	D1C	EET SSM	03/07/25 17:11
Total Recoverable	Prep	1638			5552	V1R	EET SSM	03/14/25 11:45
Total Recoverable	Analysis	1638		1	5599	V1R	EET SSM	03/15/25 04:42
Total Recoverable	Prep	3005A			809412	BDE	EET CHI	03/11/25 08:35 - 03/11/25 14:35 [1]
Total Recoverable	Analysis	6020B		1	810489	RN	EET CHI	03/19/25 12:42
Total Recoverable	Prep	3005A			809412	BDE	EET CHI	03/11/25 08:35 - 03/11/25 14:35 [1]
Total Recoverable	Analysis	6020B		1	810390	RN	EET CHI	03/18/25 14:30
Total Recoverable	Prep	3005A			809412	BDE	EET CHI	03/11/25 08:35 - 03/11/25 14:35 [1]
Total Recoverable	Analysis	SM 2340B		1	810438	DAJ	EET CHI	03/19/25 10:54
Total/NA	Analysis	300.0		1	808701	MB	EET CHI	03/05/25 15:08
Total/NA	Analysis	300.0		1	809688	MM	EET CHI	03/13/25 13:57
Total/NA	Prep	Distill/CN			808951	AC	EET CHI	03/06/25 15:08 - 03/06/25 15:38 [1]
Total/NA	Analysis	335.4		1	809020	AC	EET CHI	03/06/25 16:38
Total/NA	Prep	Distill/Ammonia			810624	EB	EET CHI	03/20/25 14:21 - 03/20/25 15:21 [1]
Total/NA	Analysis	350.1		1	810879	EB	EET CHI	03/21/25 17:19
Total/NA	Prep	365.2/365.3/365			809361	MF	EET CHI	03/11/25 07:30 - 03/11/25 11:30 [1]
Total/NA	Analysis	365.1		1	809855	KF	EET CHI	03/13/25 11:17
Total/NA	Analysis	SM 2320B		1	809213	AC	EET CHI	03/09/25 12:18
Total/NA	Analysis	SM 2520B		1	810989	AC	EET CHI	03/24/25 10:59
Total/NA	Analysis	SM 2540C		1	809207	CLB	EET CHI	03/10/25 03:04
Total/NA	Analysis	SM 2540D		1	809137	SO	EET CHI	03/07/25 15:31 - 03/07/25 15:33 [1]
Total/NA	Analysis	SM 4500 S2 F		1	808939	SO	EET CHI	03/06/25 14:18 - 03/06/25 14:22 [1]
Total/NA	Analysis	SM 5310C		1	809866	TR	EET CHI	03/13/25 02:18

Client Sample ID: EB-01-GW_20250303_FBLL

Lab Sample ID: 500-264768-10

Date Collected: 03/03/25 17:30

Matrix: Water

Date Received: 03/05/25 10:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	1631E		1	5476	AJD	EET SSM	03/10/25 18:03

Lab Chronicle

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264768-1

Client Sample ID: LKS-02_20250303

Lab Sample ID: 500-264768-11

Date Collected: 03/03/25 10:30
Date Received: 03/05/25 10:40

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	1630			5686	JS	EET SSM	03/20/25 12:01
Dissolved	Analysis	1630		1	5728	COW	EET SSM	03/21/25 03:29
Total/NA	Prep	1630			5686	JS	EET SSM	03/20/25 12:01
Total/NA	Analysis	1630		1	5728	COW	EET SSM	03/21/25 03:19
Dissolved	Analysis	1631E		1	5476	AJD	EET SSM	03/10/25 18:11
Total/NA	Analysis	1631E		1	5476	AJD	EET SSM	03/10/25 18:07
Dissolved	Prep	1638			5549	V1R	EET SSM	03/14/25 11:45
Dissolved	Analysis	1638		1	5599	V1R	EET SSM	03/14/25 23:41
Total Recoverable	Prep	1638			5551	V1R	EET SSM	03/14/25 11:45
Total Recoverable	Analysis	1638		1	5599	V1R	EET SSM	03/15/25 01:40
Dissolved	Prep	3005A			809412	BDE	EET CHI	03/11/25 08:35 - 03/11/25 14:35 [1]
Dissolved	Analysis	6020B		1	810489	RN	EET CHI	03/19/25 13:30
Dissolved	Prep	3005A			809412	BDE	EET CHI	03/11/25 08:35 - 03/11/25 14:35 [1]
Dissolved	Analysis	6020B		1	810390	RN	EET CHI	03/18/25 15:26
Total Recoverable	Prep	3005A			809412	BDE	EET CHI	03/11/25 08:35 - 03/11/25 14:35 [1]
Total Recoverable	Analysis	6020B		1	810489	RN	EET CHI	03/19/25 12:44
Total Recoverable	Prep	3005A			809412	BDE	EET CHI	03/11/25 08:35 - 03/11/25 14:35 [1]
Total Recoverable	Analysis	6020B		1	810390	RN	EET CHI	03/18/25 14:33
Total Recoverable	Prep	3005A			809412	BDE	EET CHI	03/11/25 08:35 - 03/11/25 14:35 [1]
Total Recoverable	Analysis	SM 2340B		1	810438	DAJ	EET CHI	03/19/25 10:54
Total/NA	Analysis	300.0		1	808701	MB	EET CHI	03/05/25 15:24
Total/NA	Analysis	300.0		1	809688	MM	EET CHI	03/13/25 14:12
Total/NA	Prep	Distill/CN			808951	AC	EET CHI	03/06/25 15:08 - 03/06/25 15:38 [1]
Total/NA	Analysis	335.4		1	809020	AC	EET CHI	03/06/25 16:38
Total/NA	Prep	Distill/Ammonia			810624	EB	EET CHI	03/20/25 14:21 - 03/20/25 15:21 [1]
Total/NA	Analysis	350.1		1	810879	EB	EET CHI	03/21/25 17:19
Total/NA	Prep	365.2/365.3/365			809361	MF	EET CHI	03/11/25 07:30 - 03/11/25 11:30 [1]
Total/NA	Analysis	365.1		1	809855	KF	EET CHI	03/13/25 11:18
Total/NA	Analysis	SM 2320B		1	809213	AC	EET CHI	03/09/25 12:22
Total/NA	Analysis	SM 2520B		1	810989	AC	EET CHI	03/24/25 10:59
Total/NA	Analysis	SM 2540C		1	809207	CLB	EET CHI	03/10/25 03:06
Total/NA	Analysis	SM 2540D		1	809137	SO	EET CHI	03/07/25 15:33 - 03/07/25 15:35 [1]
Total/NA	Analysis	SM 4500 S2 F		1	808939	SO	EET CHI	03/06/25 14:22 - 03/06/25 14:26 [1]
Dissolved	Analysis	SM 5310C		1	810020	TR	EET CHI	03/13/25 12:32
Total/NA	Analysis	SM 5310C		1	809866	TR	EET CHI	03/13/25 02:51

Client Sample ID: LKS-02_20250303_FBLL

Lab Sample ID: 500-264768-12

Date Collected: 03/03/25 10:30
Date Received: 03/05/25 10:40

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	1631E		1	5476	AJD	EET SSM	03/10/25 18:15

Lab Chronicle

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264768-1

Client Sample ID: MLC-01_20250303

Lab Sample ID: 500-264768-13

Date Collected: 03/03/25 13:00
Date Received: 03/05/25 10:40

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	1630			5686	JS	EET SSM	03/20/25 12:01
Dissolved	Analysis	1630		1	5728	COW	EET SSM	03/21/25 03:49
Total/NA	Prep	1630			5686	JS	EET SSM	03/20/25 12:01
Total/NA	Analysis	1630		1	5728	COW	EET SSM	03/21/25 03:39
Dissolved	Analysis	1631E		1	5476	AJD	EET SSM	03/10/25 18:24
Total/NA	Analysis	1631E		1	5476	AJD	EET SSM	03/10/25 18:20
Dissolved	Prep	1638			5549	V1R	EET SSM	03/14/25 11:45
Dissolved	Analysis	1638		1	5599	V1R	EET SSM	03/14/25 23:44
Total Recoverable	Prep	1638			5551	V1R	EET SSM	03/14/25 11:45
Total Recoverable	Analysis	1638		1	5599	V1R	EET SSM	03/15/25 01:43
Dissolved	Prep	3005A			809412	BDE	EET CHI	03/11/25 08:35 - 03/11/25 14:35 [1]
Dissolved	Analysis	6020B		1	810489	RN	EET CHI	03/19/25 13:32
Dissolved	Prep	3005A			809412	BDE	EET CHI	03/11/25 08:35 - 03/11/25 14:35 [1]
Dissolved	Analysis	6020B		1	810390	RN	EET CHI	03/18/25 15:29
Total Recoverable	Prep	3005A			809412	BDE	EET CHI	03/11/25 08:35 - 03/11/25 14:35 [1]
Total Recoverable	Analysis	6020B		1	810489	RN	EET CHI	03/19/25 12:46
Total Recoverable	Prep	3005A			809412	BDE	EET CHI	03/11/25 08:35 - 03/11/25 14:35 [1]
Total Recoverable	Analysis	6020B		1	810390	RN	EET CHI	03/18/25 14:35
Total Recoverable	Prep	3005A			809412	BDE	EET CHI	03/11/25 08:35 - 03/11/25 14:35 [1]
Total Recoverable	Analysis	SM 2340B		1	810438	DAJ	EET CHI	03/19/25 10:54
Total/NA	Analysis	300.0		1	808701	MB	EET CHI	03/05/25 15:40
Total/NA	Analysis	300.0		1	809688	MM	EET CHI	03/13/25 14:28
Total/NA	Prep	Distill/CN			808951	AC	EET CHI	03/06/25 15:08 - 03/06/25 15:38 [1]
Total/NA	Analysis	335.4		1	809020	AC	EET CHI	03/06/25 16:41
Total/NA	Prep	Distill/Ammonia			810624	EB	EET CHI	03/20/25 14:21 - 03/20/25 15:21 [1]
Total/NA	Analysis	350.1		1	810879	EB	EET CHI	03/21/25 17:20
Total/NA	Prep	365.2/365.3/365			809361	MF	EET CHI	03/11/25 07:30 - 03/11/25 11:30 [1]
Total/NA	Analysis	365.1		1	809855	KF	EET CHI	03/13/25 11:19
Total/NA	Analysis	SM 2320B		1	809213	AC	EET CHI	03/09/25 12:29
Total/NA	Analysis	SM 2520B		1	810989	AC	EET CHI	03/24/25 10:59
Total/NA	Analysis	SM 2540C		1	809207	CLB	EET CHI	03/10/25 03:09
Total/NA	Analysis	SM 2540D		1	809137	SO	EET CHI	03/07/25 15:35 - 03/07/25 15:37 [1]
Total/NA	Analysis	SM 4500 S2 F		1	808939	SO	EET CHI	03/06/25 14:26 - 03/06/25 14:30 [1]
Dissolved	Analysis	SM 5310C		1	810020	TR	EET CHI	03/13/25 14:09
Total/NA	Analysis	SM 5310C		1	809866	TR	EET CHI	03/13/25 03:23

Client Sample ID: MLC-01_20250303_FBLL

Lab Sample ID: 500-264768-14

Date Collected: 03/03/25 13:00
Date Received: 03/05/25 10:40

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	1631E		1	5476	AJD	EET SSM	03/10/25 18:36

Client Sample ID: NB1-1_20250303

Lab Sample ID: 500-264768-15

Date Collected: 03/03/25 09:45

Matrix: Water

Date Received: 03/05/25 10:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	1630			5686	JS	EET SSM	03/20/25 12:01
Dissolved	Analysis	1630		1	5728	COW	EET SSM	03/21/25 00:46
Total/NA	Prep	1630			5686	JS	EET SSM	03/20/25 12:01
Total/NA	Analysis	1630		1	5728	COW	EET SSM	03/21/25 00:36
Dissolved	Analysis	1631E		1	5476	AJD	EET SSM	03/10/25 18:45
Total/NA	Analysis	1631E		1	5476	AJD	EET SSM	03/10/25 18:40
Dissolved	Prep	1638			5549	V1R	EET SSM	03/14/25 11:45
Dissolved	Analysis	1638		1	5599	V1R	EET SSM	03/14/25 23:48
Total Recoverable	Prep	1638			5551	V1R	EET SSM	03/14/25 11:45
Total Recoverable	Analysis	1638		1	5599	V1R	EET SSM	03/15/25 01:47
Dissolved	Prep	3005A			809412	BDE	EET CHI	03/11/25 08:35 - 03/11/25 14:35 [1]
Dissolved	Analysis	6020B		1	810489	RN	EET CHI	03/19/25 13:35
Dissolved	Prep	3005A			809412	BDE	EET CHI	03/11/25 08:35 - 03/11/25 14:35 [1]
Dissolved	Analysis	6020B		1	810390	RN	EET CHI	03/18/25 15:31
Total Recoverable	Prep	3005A			809412	BDE	EET CHI	03/11/25 08:35 - 03/11/25 14:35 [1]
Total Recoverable	Analysis	6020B		1	810489	RN	EET CHI	03/19/25 12:49
Total Recoverable	Prep	3005A			809412	BDE	EET CHI	03/11/25 08:35 - 03/11/25 14:35 [1]
Total Recoverable	Analysis	6020B		1	810390	RN	EET CHI	03/18/25 14:38
Total Recoverable	Prep	3005A			809412	BDE	EET CHI	03/11/25 08:35 - 03/11/25 14:35 [1]
Total Recoverable	Analysis	SM 2340B		1	810438	DAJ	EET CHI	03/19/25 10:54
Total/NA	Analysis	300.0		1	808701	MB	EET CHI	03/05/25 15:55
Total/NA	Analysis	300.0		1	809688	MM	EET CHI	03/13/25 14:44
Total/NA	Analysis	300.0		10	809688	MM	EET CHI	03/13/25 14:59
Total/NA	Prep	Distill/CN			808951	AC	EET CHI	03/06/25 15:08 - 03/06/25 15:38 [1]
Total/NA	Analysis	335.4		1	809020	AC	EET CHI	03/06/25 16:42
Total/NA	Prep	Distill/Ammonia			810624	EB	EET CHI	03/20/25 14:21 - 03/20/25 15:21 [1]
Total/NA	Analysis	350.1		1	810879	EB	EET CHI	03/21/25 17:20
Total/NA	Prep	365.2/365.3/365			809361	MF	EET CHI	03/11/25 07:30 - 03/11/25 11:30 [1]
Total/NA	Analysis	365.1		1	809855	KF	EET CHI	03/13/25 11:20
Total/NA	Analysis	SM 2320B		1	809213	AC	EET CHI	03/09/25 12:38
Total/NA	Analysis	SM 2520B		1	810989	AC	EET CHI	03/24/25 10:59
Total/NA	Analysis	SM 2540C		1	809207	CLB	EET CHI	03/10/25 03:11
Total/NA	Analysis	SM 2540D		1	809137	SO	EET CHI	03/07/25 15:37 - 03/07/25 15:39 [1]
Total/NA	Analysis	SM 4500 S2 F		1	808939	SO	EET CHI	03/06/25 14:30 - 03/06/25 14:33 [1]
Dissolved	Analysis	SM 5310C		1	810020	TR	EET CHI	03/13/25 14:41
Total/NA	Analysis	SM 5310C		1	809866	TR	EET CHI	03/13/25 03:55

Client Sample ID: NB1-1_20250303_FBLL

Lab Sample ID: 500-264768-16

Date Collected: 03/03/25 09:45

Matrix: Water

Date Received: 03/05/25 10:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	1631E		1	5476	AJD	EET SSM	03/10/25 18:49

Client Sample ID: NB1-3_20250303

Lab Sample ID: 500-264768-17

Date Collected: 03/03/25 10:35

Matrix: Water

Date Received: 03/05/25 10:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	1630			5686	JS	EET SSM	03/20/25 12:01
Dissolved	Analysis	1630		1	5728	COW	EET SSM	03/21/25 01:06
Total/NA	Prep	1630			5686	JS	EET SSM	03/20/25 12:01
Total/NA	Analysis	1630		1	5728	COW	EET SSM	03/21/25 00:56
Dissolved	Analysis	1631E		1	5476	AJD	EET SSM	03/10/25 18:57
Total/NA	Analysis	1631E		1	5476	AJD	EET SSM	03/10/25 18:53
Dissolved	Prep	1638			5549	V1R	EET SSM	03/14/25 11:45
Dissolved	Analysis	1638		1	5599	V1R	EET SSM	03/14/25 23:51
Total Recoverable	Prep	1638			5551	V1R	EET SSM	03/14/25 11:45
Total Recoverable	Analysis	1638		1	5599	V1R	EET SSM	03/15/25 01:50
Dissolved	Prep	3005A			809412	BDE	EET CHI	03/11/25 08:35 - 03/11/25 14:35 [1]
Dissolved	Analysis	6020B		1	810489	RN	EET CHI	03/19/25 13:37
Dissolved	Prep	3005A			809412	BDE	EET CHI	03/11/25 08:35 - 03/11/25 14:35 [1]
Dissolved	Analysis	6020B		1	810390	RN	EET CHI	03/18/25 15:33
Total Recoverable	Prep	3005A			809412	BDE	EET CHI	03/11/25 08:35 - 03/11/25 14:35 [1]
Total Recoverable	Analysis	6020B		1	810489	RN	EET CHI	03/19/25 12:51
Total Recoverable	Prep	3005A			809412	BDE	EET CHI	03/11/25 08:35 - 03/11/25 14:35 [1]
Total Recoverable	Analysis	6020B		1	810390	RN	EET CHI	03/18/25 14:40
Total Recoverable	Prep	3005A			809412	BDE	EET CHI	03/11/25 08:35 - 03/11/25 14:35 [1]
Total Recoverable	Analysis	SM 2340B		1	810438	DAJ	EET CHI	03/19/25 10:54
Total/NA	Analysis	300.0		1	808701	MB	EET CHI	03/05/25 16:42
Total/NA	Analysis	300.0		1	809688	MM	EET CHI	03/13/25 15:15
Total/NA	Analysis	300.0		10	809688	MM	EET CHI	03/13/25 15:30
Total/NA	Prep	Distill/CN			808951	AC	EET CHI	03/06/25 15:08 - 03/06/25 15:38 [1]
Total/NA	Analysis	335.4		1	809020	AC	EET CHI	03/06/25 16:43
Total/NA	Prep	Distill/Ammonia			810624	EB	EET CHI	03/20/25 14:21 - 03/20/25 15:21 [1]
Total/NA	Analysis	350.1		1	810879	EB	EET CHI	03/21/25 17:21
Total/NA	Prep	365.2/365.3/365			809361	MF	EET CHI	03/11/25 07:30 - 03/11/25 11:30 [1]
Total/NA	Analysis	365.1		1	809855	KF	EET CHI	03/13/25 11:21
Total/NA	Analysis	SM 2320B		1	809213	AC	EET CHI	03/09/25 12:48
Total/NA	Analysis	SM 2520B		1	810989	AC	EET CHI	03/24/25 10:59
Total/NA	Analysis	SM 2540C		1	809207	CLB	EET CHI	03/10/25 03:14
Total/NA	Analysis	SM 2540D		1	809137	SO	EET CHI	03/07/25 15:39 - 03/07/25 15:41 [1]
Total/NA	Analysis	SM 4500 S2 F		1	808939	SO	EET CHI	03/06/25 14:33 - 03/06/25 14:37 [1]
Dissolved	Analysis	SM 5310C		1	810020	TR	EET CHI	03/13/25 15:13
Total/NA	Analysis	SM 5310C		1	809866	TR	EET CHI	03/13/25 04:28

Client Sample ID: NB1-3_20250303_FBLL

Lab Sample ID: 500-264768-18

Date Collected: 03/03/25 10:35

Matrix: Water

Date Received: 03/05/25 10:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	1631E		1	5476	AJD	EET SSM	03/10/25 19:01

Lab Chronicle

Client: White Pine Copper LLC
Job ID: 500-264768-1
Project/Site: White Pines, MI

[1] This procedure uses a method stipulated length of time for the process. Both start and end times are displayed.

Laboratory References:

EET CHI = Eurofins Chicago, 18410 Crossing Drive, Suite E, Tinley Park, IL 60487, TEL (708)534-5200

EET SSM = Eurofins Seattle Specialty Metals, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

Accreditation/Certification Summary

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264768-1

Laboratory: Eurofins Chicago

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Georgia	State	N/A	05-31-25
Georgia (DW)	State	939	05-31-25
Hawaii	State	NA	05-31-25
Illinois	NELAP	100201	05-31-25
Indiana	State	C-IL-02	05-31-25
Iowa	State	082	05-01-26
Kansas	NELAP	E-10161	10-31-25
Kentucky (UST)	State	AI # 108083	05-31-25
Kentucky (WW)	State	KY90023	12-31-24 *
Louisiana (All)	NELAP	02046	06-30-25
Mississippi	State	NA	05-31-25
North Carolina (WW/SW)	State	291	12-31-25
North Dakota	State	R-194	04-29-24 *
Oklahoma	State	8908	08-31-25
South Carolina	State	77001003	05-31-25
USDA	US Federal Programs	P330-18-00018	03-30-26
Wisconsin	State	399172840	08-31-25
Wyoming	State	8TMS-Q	05-31-25

Laboratory: Eurofins Seattle Specialty Metals

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	20-004	02-19-27
ANAB	Dept. of Defense ELAP	L2236	01-19-27
ANAB	Dept. of Energy	L2236.01	01-19-27
ANAB	ISO/IEC 17025	L2236	01-19-27
California	State	2954	07-07-25
Florida	NELAP	E87575	06-30-25
Louisiana (All)	NELAP	03073	06-30-25
Maine	State	WA01273	05-02-26
New Jersey	NELAP	WA014	06-30-25
New York	NELAP	11662	04-01-25
Oregon	NELAP	4167-008	07-07-25
US Fish & Wildlife	US Federal Programs	A20571	06-30-25
USDA	US Federal Programs	525-23-4-22573	01-04-26
Washington	State	C788-23a	07-13-25
Wisconsin	State	399133460	07-31-25

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Eurofins Chicago
18410 Crossing Drive, Suite E
Tinley Park, IL 60487
Phone (708) 534-5200 Phone (262) 202-5955

Chain of Custody Record

eurofins | Environment Testing

437605685300

Client Information	Sampler: JACOB DEAN	Lab PM: Fredrick, Sandie	Carrier Tracking No(s): 4376 05685296	COC No: 500-133049-50241 27
Client Contact: Amanda Zeidler	Phone: 906-487-7454	E-Mail: Sandra Fredrick@et.eurofinsus com	State of Origin: Michigan	Page: Page 1 of 1
Company: White Pine Copper LLC	PWSID:			Job #: 500-264768
Address: 35362 Mall Circle Drive	Due Date Requested:			
City: White Pine	TAT Requested (days): 10 days			
State, Zip: MI, 49971	Compliance Project: Δ Yes Δ No			
Phone: 906-204-6500	PO #: Purchase Order not required			
Email: AZeidler@whitepinecu com	WO #:			
Project Name: White Pines, MI	Project #: 50023455			
Site: White Pine North Baseline Sampling	SSOW#:			

Analysis Requested

Preservation Codes:
S H2SO4
N None
CB ZnAcetate/NaOH
B NaOH
D - HNO3
A - HCL

Other: 500-264768 COC

	Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	350.1 Ammonia, 365.1 Phos	2320B, 2540C, 2540D, 300.0_28D, 300_48HR, SM2520_B	SM4500_S2_F - Sulfide, Total	335.4 - Cyanide, Total	SM5310_DOC_C - Organic Carbon, Dissolved (DOC) - tripli	6020B, SM2340B Total Metals / Hardness	1638 - Uranium only (ICP/MS)	1631E - Mercury, Low Level (CVAFS)	1630_ME - Methyl Mercury	6020B - Dissolved Metals (ICP/MS) - 27 elements	1638 - Dissolved Uranium only (ICP/MS) (field filtered)	1631E - Dissolved Mercury, Low Level (CVAFS) (filtered)	1630_ME - Dissolved Methyl Mercury (field filtered)	5310C - TOC	Total Number of containers	Special Instructions/Note:
				Preservation Code:				S	N	CB	B	S	D	D	N	A	D	D	N	A	S		
1	DKC-03_20250303	3-3-25	15:00	G	Water	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	66	
2	DKC-03_20250303_FBLL	3-3-25	15:00	G	Water										X							2	
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, ☒ II, III, IV, Other (specify)

Special Instructions/QC Requirements: MDLs must meet Michigan requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment: FEDEX PRIORITY OVERNIGHT

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1		3-3-25 17:00	MSG		3.3.25 17:00	MSG
2		3-4-25 09:30	MSG	FedEx 437605685296 437605685300	Date/Time	Company
3	Relinquished by	Date/Time	Company	Received by: Stephanie Hernandez	Date/Time 3/5/25 1040	Company EETA

Custody Seals Intact: Δ Yes Δ No | Custody Seal No

Cooler Temperature(s) °C and Other Remarks: 5.4+5.3, 5.8+5.7, 5.4+5.3, 5.4+5.3, 1.9+1.4

5.1+5.0,

Eurofins Chicago
18410 Crossing Drive, Suite E
Tinley Park, IL 60487
Phone (708) 534-5200 Phone (262) 202-5955

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Ellen Cappernoll	Lab PM: Fredrick, Sandie	Carrier Tracking No(s): 437605685285	COC No: 500-133049-50241 28
Client Contact: Amanda Zeidler	Phone: 517-513-2249	E-Mail: Sandra Fredrick@et.eurofinsus com	State of Origin: Michigan	Page: Page 1 of 1
Company: White Pine Copper LLC	PWSID:			Job #: 500-264768
Address: 35362 Mall Circle Drive	Due Date Requested:			
City: White Pine	TAT Requested (days): 10 days			
State Zip: MI, 49971	Compliance Project: Δ Yes Δ No			
Phone: 906-204-6500	PO #: Purchase Order not required			
Email: AZeidler@whitepinecu com	WO #:			
Project Name: White Pines, MI	Project #: 50023455			
Site: White Pine North Baseline Sampling	SSOW#:			

Analysis Requested

Preservation Codes:
S H2SO4
N None
CB - ZnAcetate/NaOH
B - NaOH
D - HNO3
A - HCL
Other:

	Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	350.1 Ammonia, 365.1 Phos	2320B, 2540C, 2540D, 300.0_28D, 300_48HR, SM2520_B	SM4500_S2_F - Sulfide, Total	335.4 - Cyanide, Total	SM5310_DOC_C - Organic Carbon, Dissolved (DOC) - tripli	6020B, SM2340B Total Metals / Hardness	1638 - Uranium only (ICP/MS)	1631E - Mercury, Low Level (CVAFS)	1630_ME - Methyl Mercury	6020B - Dissolved Metals (ICP/MS) - 27 elements	1638 - Dissolved Uranium only (ICP/MS) (field filtered)	1631E - Dissolved Mercury, Low Level (CVAFS) (filtered)	1630_ME - Dissolved Methyl Mercury (field filtered)	5310C - TOC	Total Number of containers	Special Instructions/Note:
				Preservation Code:				S	N	CB	B	S	D	D	N	A	D	D	N	A	S		
3	SMW-1_20250303	3-3-25	14:45	G	Water	K		X	X	X	X	X	X	X	X	X	X	X	X	X	X	22	
4	SMW-1_20250303_FBLL	3-3-25	14:45	G	Water										X							2	
5	SMW-1SB_20250303	3-3-25	16:10	G	Water	K		X	X	X	X	X	X	X	X	X	X	X	X	X	X	22	
6	SMW-1SB_20250303_FBLL	3-3-25	16:10	G	Water										K							2	
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested I, II, III, IV, Other (specify)

Special Instructions/QC Requirements MDLs must meet Michigan requirements

Empty Kit Relinquished by:	Date	Time	Method of Shipment: FEDEX PRIORITY OVERNIGHT

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1		3-3-25 17:00	MSG		3-3-25 17:00	MSG
2		3-4-25 08:00	MSG	FEDEX 437605685285	Date/Time:	Company
3		Date/Time	Company	Stephanie Hernandez	3/5/25 1040	EETA

Custody Seals Intact: Δ Yes Δ No | Custody Seal No | Cooler Temperature(s) °C and Other Remarks

Eurofins Chicago
18410 Crossing Drive, Suite E
Tinley Park, IL 60487
Phone (708) 534-5200 Phone (262) 202-5955

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Ellen Coppernoll	Lab PM: Fredrick, Sandie	Carrier Tracking No(s): 437605685274	COC No.: 500-133049-50241 29
Client Contact: Amanda Zeidler	Phone: 517-513-2249	E-Mail: Sandra Fredrick@et eurofinsus com	State of Origin: Michigan	Page: Page 1 of 1
Company: White Pine Copper LLC	PWSID:			Job #: 500-264768
Address: 35362 Mall Circle Drive	Due Date Requested:			
City: White Pine	TAT Requested (days): 10 days			
State, Zip: MI, 49971	Compliance Project: Δ Yes Δ No			
Phone: 906-204-6500	PO #: Purchase Order not required			
Email: AZeidler@whitepinecu com	WO #:			
Project Name: White Pines, MI	Project #: 50023455			
Site: White Pine North Baseline Sampling	SSOW#:			

Analysis Requested

Preservation Codes:
S - H2SO4
N - None
CB ZnAcetate/NaOH
B NaOH
D HNO3
A HCL
Other:

	Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	350.1 Ammonia, 365.1 Phos	2320B, 2540C, 2540D, 300.0_28D, 300_48HR, SM2520_B	SM4500_S2_F - Sulfide, Total	335.4 - Cyanide, Total	SM5310_DOC_C - Organic Carbon, Dissolved (DOC) - tripli	6020B, SM2340B Total Metals / Hardness	1638 - Uranium only (ICP/MS)	1631E - Mercury, Low Level (CVAFS)	1630_ME - Methyl Mercury	6020B - Dissolved Metals (ICP/MS) - 27 elements	1638 - Dissolved Uranium only (ICP/MS) (field filtered)	1631E - Dissolved Mercury, Low Level (CVAFS) (filtered)	1630_ME - Dissolved Methyl Mercury (field filtered)	5310C - TOC	Total Number of containers	Special Instructions/Note:
				Preservation Code:				S	N	CB	B	S	D	D	N	A	D	D	N	A	S		
7	NB2-3_20250303	3-3-25	12:35	G	Water	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	22	
8	NB2-3_20250303_FBLL	3-3-25	12:35	G	Water										X							2	
9	EB-01-GW_20250303	3-3-25	17:30	G	Water			X	X	X	X		X	X	X	X					X	14	
10	EB-01-GW_20250303_FBLL	3-3-25	17:30	G	Water										X							2	
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested I, II, III, IV, Other (specify)

Special Instructions/QC Requirements MDLs must meet Michigan requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment: FEDEX PRIORITY OVERNIGHT

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Ellen	3-3-25 17:00	MSG		3-3-25 1710	MSG
2	Relinquished by:	Date/Time 3-4-25 0810	Company MSG	Received by: FEDEX 437605685274	Date/Time:	Company
3	Relinquished by:	Date/Time	Company	Received by: stephanie tennond/	Date/Time: 3/5/25 1040	Company EEN

Custody Seals Intact: Δ Yes Δ No | Custody Seal No | Cooler Temperature(s) °C and Other Remarks.

Eurofins Chicago
18410 Crossing Drive, Suite E
Tinley Park, IL 60487
Phone (708) 534-5200 Phone (262) 202-5955

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: JACOB DEAN	Lab PM: Fredrick, Sandie	Carrier Tracking No(s): 437605685252	COC No: 500-133049-50241 32
Client Contact: Amanda Zeidler	Phone: 906-487-7454	E-Mail: Sandra Fredrick@et.eurofinsus com	State of Origin: Michigan	Page: Page 1 of 1
Company: White Pine Copper LLC	PWSID:			Job #: 500-264768
Address: 35362 Mall Circle Drive	Due Date Requested:			
City: White Pine	TAT Requested (days): 10 days			
State Zip: MI, 49971	Compliance Project: Δ Yes Δ No			
Phone: 906-204-6500	PO #: Purchase Order not required			
Email: AZeidler@whitepinecu com	WO #:			
Project Name: White Pines, MI	Project #: 50023455			
Site: White Pine North Baseline Sampling	SSOW#:			

Analysis Requested

Preservation Codes:
S H2SO4
N - None
CB ZnAcetate/NaOH
B NaOH
D HNO3
A - HCL
Other:

	Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	350.1 Ammonia, 365.1 Phos	2320B, 2540C, 2540D, 300.0_28D, 300_48HR, SM2520_B	SM4500_S2_F - Sulfide, Total	335.4 - Cyanide, Total	SM5310_DOC_C - Organic Carbon, Dissolved (DOC) - tripli	6020B, SM2340B Total Metals / Hardness	1638 - Uranium only (ICP/MS)	1631E - Mercury, Low Level (CVAFS)	1630_ME - Methyl Mercury	6020B - Dissolved Metals (ICP/MS) - 27 elements	1638 - Dissolved Uranium only (ICP/MS) (field filtered)	1631E - Dissolved Mercury, Low Level (CVAFS) (filtered)	1630_ME - Dissolved Methyl Mercury (field filtered)	5310C - TOC	Total Number of containers	Special Instructions/Note:
				Preservation Code:				S	N	CB	B	S	D	D	N	A	D	D	N	A	S		
11	LKS-02_20250303	3-3-25	10:30	G	Water	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	22	
12	LKS-02_20250303_FBLL	3-3-25	10:30	G	Water										X							2	
13	MLC-01_20250303	3-3-25	13:00	G	Water	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	22	
14	MLC-01_20250303_FBLL	3-3-25	13:00	G	Water										X							2	
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested I, [II], III, IV, Other (specify)

Special Instructions/QC Requirements MDLs must meet Michigan requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment: FEDEX PRIORITY OVERNIGHT

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1	Jacob Dean	3-3-25 17:00	MSG		3-3-25 17:00	MSG
2		3-4-25 08:30	MSG	FEDEX 437605685252		
3					3/5/25 1040	EFIA

Custody Seals Intact Δ Yes Δ No | Custody Seal No

Cooler Temperature(s) °C and Other Remarks

Eurofins Chicago
18410 Crossing Drive, Suite E
Tinley Park, IL 60487
Phone (708) 534-5200 Phone (262) 202-5955

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Ellen Cappernoll	Lab PM: Fredrick, Sandie	Carrier Tracking No(s): 4376 05685263	COC No: 500-133049-50241 30
Client Contact: Amanda Zeidler	Phone: 517-513-2249	E-Mail: Sandra Fredrick@et eurofinsus com	State of Origin: Michigan	Page: Page 1 of 1
Company: White Pine Copper LLC	PWSID:			Job #: 500-264768
Address: 35362 Mall Circle Drive	Due Date Requested:			
City: White Pine	TAT Requested (days): 10 days			
State, Zip: MI, 49971	Compliance Project: Δ Yes Δ No			
Phone: 906-204-6500	PO #: Purchase Order not required			
Email: AZeidler@whitepinecu com	WO #:			
Project Name: White Pines, MI	Project #: 50023455			
Site: White Pine North Baseline Sampling	SSOW#:			

Analysis Requested

Preservation Codes:
S H2SO4
N None
CB ZnAcetate/NaOH
B NaOH
D HNO3
A HCL
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	350.1 Ammonia, 365.1 Phos	2320B, 2540C, 2540D, 300.0_28D, 300_48HR, SM2520_B	SM4500_S2_F - Sulfide, Total	335.4 - Cyanide, Total	SM5310_DOC_C - Organic Carbon, Dissolved (DOC) - tripli	6020B, SM2340B Total Metals / Hardness	1638 - Uranium only (ICP/MS)	1631E - Mercury, Low Level (CVAFS)	1630_ME - Methyl Mercury	6020B - Dissolved Metals (ICP/MS) - 27 elements	1638 - Dissolved Uranium only (ICP/MS) (field filtered)	1631E - Dissolved Mercury, Low Level (CVAFS) (filtered)	1630_ME - Dissolved Methyl Mercury (field filtered)	5310C - TOC	Total Number of containers	Special Instructions/Note:
			Preservation Code:				S	N	CB	B	S	D	D	N	A	D	D	N	A	S	
15 NBI-1_20250303	3-3-25	09:45	G	Water	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	22
16 NBI-1_20250303_FBLL	3-3-25	09:45	G	Water										X							2
17 NBI-3_20250303	3-3-25	10:35	G	Water	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	22
18 NBI-3_20250303_FBLL	3-3-25	10:35	G	Water										X							2
				Water																	
				Water																	
				Water																	
				Water																	
				Water																	
				Water																	
				Water																	

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested I, [II], III, IV, Other (specify)

Special Instructions/QC Requirements MDLs must meet Michigan requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment: FEDEX PRIORITY OVERNIGHT

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1	Ellen	3-3-25 17:00	MSG		3-3-25 17:00	MSG
2		3-4-25 08:00	MSG	FEDEX 437605685263		
3				Stephanie Henry	3/5/25 1040	EETA

Custody Seals Intact. Δ Yes Δ No | Custody Seal No. | Cooler Temperature(s) °C and Other Remarks.


JED CHRESTENSEN
THE MANNIK & SMITH GROUP
616 SHELDEN AVE
SUITE 210
HOUGHTON, MI 49931
UNITED STATES US
CAD 0780307/CAFE3855
TO SAMPLE RECIEPT
EUROFINS
18410 CROSSING DRIVE
SUITE E
TINLEY PARK IL 60487
(262) 202-5955
REF
INV
PO
DEPT
RMA
FedEx Express
FedEx
TRK# 0221 4376 0568 5296
WED - 05 MAR AA
PRIORITY OVERNIGHT
XP JOTA
60487
IL-US
ORD
5547 04Mar2025 CMXA 581G2/0789/5FE5


500-264768 Waybi
JED CHRESTENSEN
THE MANNIK & SMITH GROUP
616 SHELDEN AVE
SUITE 210
HOUGHTON, MI 49931
UNITED STATES US
CAD 0803 CAFE38
TO SAMPLE RECIEPT
EUROFINS
18410 CROSSING DRIVE
SUITE E
TINLEY PARK IL 60487
(262) 202-5955
REF
INV
PO
DEPT
RMA
FedEx Express
FedEx
TRK# 0221 4376 0568 5285
WED - 05 MAR AA
PRIORITY OVERNIGHT
XP JOTA
60487
IL-US
ORD
5025547 04Mar2025 CMXA 581G2/0789/5FE5


616 SHELDEN AVE
SUITE 210
HOUGHTON, MI 49931
UNITED STATES US
TO SAMPLE RECIEPT
EUROFINS
18410 CROSSING DRIVE
SUITE E
TINLEY PARK IL 60487
(262) 202-5955
REF
INV:
PO:
DEPT:
RMA
FedEx Express
WED - 05 MAR AA
PRIORITY OVERNIGHT
TRK# 0221 4376 0568 5300
60487
IL-US
ORD
XP JOTA


THE MANNIK & SMITH GROUP
616 SHELDEN AVE
SUITE 210
HOUGHTON, MI 49931
UNITED STATES US
TO SAMPLE RECIEPT
EUROFINS
18410 CROSSING DRIVE
SUITE E
TINLEY PARK IL 60487
(262) 202-5955
REF
INV
PO
DEPT
RMA
FedEx Express
WED - 05 MAR AA
PRIORITY OVERNIGHT
TRK# 0221 4376 0568 5274
60487
IL-US
ORD
XP JOTA
5025547 04Mar2025 CMXA 581G2/07B9/5FE5


THE MANNIK & SMITH GROU
616 SHELDEN AVE
SUITE 210
HOUGHTON MI 49931
UNITED STATES US
TO SAMPLE RECIEPT
EUROFINS
18410 CROSSING DRIVE
SUITE E
TINLEY PARK IL 60487
(262) 202 5955
INV
PO
REF
DEPT
RMA
FedEx
TRK# 0221 4376 0568 5252
XP JOTA
WED - 05 MAR AA
PRIORITY OVERNIGHT
60487
IL-US
ORD
5025547 04Mar2025 CMXA 581G2/0789/5FE5


JED CHRISTENSEN
THE MANNIK & SMITH GROUP
616 SHELDEN AVE
SUITE 210
HOUGHTON, MI 49931
UNITED STATES US
CAD: 0780307/CAFE3855
TO SAMPLE RECIEPT
EUROFINS
18410 CROSSING DRIVE
SUITE E
TINLEY PARK IL 60487
(262) 202-5955
INV:
PO:
REF
DEPT
RMA:
FedEx Express
FedEx
TRK# 0221 4376 0568 5263
XP JOTA
RETURNS MON-SAT
WED - 05 MAR AA
PRIORITY OVERNIGHT
60487
IL-US
ORD

Eurofins Chicago
18410 Crossing Drive Suite E
Tinley Park, IL 60487
Phone: 708-534-5200 Fax: 708-534-5211

Chain of Custody Record

eurofins | Environment Testing

3/25/2025

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Fredrick, Sandie	Carrier Tracking No(s): N/A	COC No: 500-199061.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Sandra.Fredrick@et.eurofinsus.com	State of Origin: Michigan	Page: Page 1 of 3
Company: Eurofins Environment Testing Northwest,		Accreditations Required (See note): N/A		Job #: 500-264768-1
Address: 5755 8th Street East, ,	Due Date Requested: 3/25/2025			
City: Tacoma	TAT Requested (days): N/A			
State, Zip: WA, 98424				
Phone: 253-922-2310(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: White Pines, MI	Project #: 50023455			
Site: N/A	SSOW#: N/A			

Therm. ID: SC0 3 Cust. Seal: (Y) / N
Uncorr./Corr. Temp: 12.6/12.5 °C
Delivery: UPS / FedEx / Other: ____
Ice Type: Blue / Dry / Wet / None
Label Ver.: R Packing: B

Therm. ID: SC0 4 Cust. Seal: (Y) / N
Uncorr./Corr. Temp: 12.0/11.9 °C
Delivery: UPS / FedEx / Other: ____
Ice Type: Blue / Dry / Wet / None
Label Ver.: R Packing: B

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	1638/1638_Prep_W Uranium only (ICP/MS)	1631E/ Mercury, Low Level (CVAFS)	1630_ME/1630_Dist_PFP Methyl Mercury	1638/FIELD_FLTRD Dissolved Uranium only (ICP/MS) (field f	1631E/FIELD_FLTRD Dissolved Mercury, Low Level (CVAFS) (fi	1630_ME/FIELD_FLTRD Dissolved Methyl Mercury (field filtered	Total Nu	Special Instructions/Note:
			Preservation Code:											
DKC-03_20250303 (500-264768-1)	3/3/25	15:00 Eastern	G	Water			X	X	X	X	X	X	8	
DKC-03_20250303 (500-264768-1MS)	3/3/25	15:00 Eastern	G	Water			X	X	X	X	X	X	8	
DKC-03_20250303 (500-264768-1MSD)	3/3/25	15:00 Eastern	G	Water			X	X	X	X	X	X	8	
DKC-03_20250303_FBLL (500-264768-2)	3/3/25	15:00 Eastern	G	Water				X					2	
SMW-1_20250303 (500-264768-3)	3/3/25	14:45 Eastern	G	Water			X	X	X	X	X	X	8	
SMW-1_20250303_FBLL (500-264768-4)	3/3/25	14:45 Eastern	G	Water				X					2	
SMW-15B_20250303 (500-264768-5)	3/3/25	16:10 Eastern	G	Water			X	X	X	X	X	X	8	
SMW-15B_20250303_FBLL (500-264768-6)	3/3/25	16:10 Eastern	G	Water				X					2	
NB2-3_20250303 (500-264768-7)	3/3/25	12:35 Eastern	G	Water			X	X	X	X	X	X	8	

Therm. ID: SC0 2 Cust. Seal: (Y) / N
Uncorr./Corr. Temp: 0.5/0.3 °C
Delivery: UPS / FedEx / Other: ____
Ice Type: Blue / Dry / Wet / None
Label Ver.: R Packing: B

Note: Since laboratory accreditations are subject to change, Eurofins Chicago places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Chicago laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurof immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Chicago.

Possible Hazard Identification Unconfirmed 4468 9404 0723	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)* ☐ Return To Client ☐ Disposal By Lab ☐ Archive For ____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	3/5/25 1530			3/6/25 10:24	EET
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 10/10/2024

Eurofins Chicago
18410 Crossing Drive Suite E
Tinley Park, IL 60487
Phone: 708-534-5200 Fax: 708-534-5211

Chain of Custody Record

eurofins | Environment Testing

3/25/2025

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Fredrick, Sandie	Carrier Tracking No(s): N/A	COC No: 500-199061.2
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Sandra.Fredrick@et.eurofinsus.com	State of Origin: Michigan	Page: Page 2 of 3
Company: Eurofins Environment Testing Northwest,		Accreditations Required (See note): N/A		Job #: 500-264768-1
Address: 5755 8th Street East,	Due Date Requested: 3/25/2025			Preservation Codes: -
City: Tacoma	TAT Requested (days): N/A			
State, Zip: WA, 98424				
Phone: 253-922-2310(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: White Pines, MI	Project #: 50023455			
Site: N/A	SSOW#: N/A			Other: N/A

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	1638/1638_Prep_W Uranium only (ICP/MS)	1631E/ Mercury, Low Level (CVAFS)	1630_ME/1630_Dist_PFP Methyl Mercury	1638/FIELD_FLTRD Dissolved Uranium only (ICP/MS) (field f	1631E/FIELD_FLTRD Dissolved Mercury, Low Level (CVAFS) (fi	1630_ME/FIELD_FLTRD Dissolved Methyl Mercury (field filtered	Total Number of containers	Special Instructions/Note:
			Preservation Code:											
NB2-3_20250303_FBLL (500-264768-8)	3/3/25	12:35 Eastern	G	Water				X					2	
EB-01-GW_20250303 (500-264768-9)	3/3/25	17:30 Eastern	G	Water			X	X	X				4	
EB-01-GW_20250303_FBLL (500-264768-10)	3/3/25	17:30 Eastern	G	Water				X					2	
LKS-02_20250303 (500-264768-11)	3/3/25	10:30 Eastern	G	Water			X	X	X	X	X	X	8	
LKS-02_20250303_FBLL (500-264768-12)	3/3/25	10:30 Eastern	G	Water				X					2	
MLC-01_20250303 (500-264768-13)	3/3/25	13:00 Eastern	G	Water			X	X	X	X	X	X	8	
MLC-01_20250303_FBLL (500-264768-14)	3/3/25	13:00 Eastern	G	Water				X					2	
NB1-1_20250303 (500-264768-15)	3/3/25	09:45 Eastern	G	Water			X	X	X	X	X	X	8	
NB1-1_20250303_FBLL (500-264768-16)	3/3/25	09:45 Eastern	G	Water				X					2	

Note: Since laboratory accreditations are subject to change, Eurofins Chicago places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Chicago laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Chicago attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Chicago.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	3/5/25 1530			3/6/25 10:20	ETN
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 10/10/2024

Eurofins Chicago
18410 Crossing Drive Suite E
Tinley Park, IL 60487
Phone: 708-534-5200 Fax: 708-534-5211

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Fredrick, Sandie	Carrier Tracking No(s): N/A	COC No: 500-199061.3
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Sandra.Fredrick@et.eurofinsus.com	State of Origin: Michigan	Page: Page 3 of 3
Company: Eurofins Environment Testing Northwest,		Accreditations Required (See note): N/A		Job #: 500-264768-1
Address: 5755 8th Street East, ,	Due Date Requested: 3/25/2025			Preservation Codes: -
City: Tacoma	TAT Requested (days): N/A			
State, Zip: WA, 98424				
Phone: 253-922-2310(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: White Pines, MI	Project #: 50023455			
Site: N/A	SSOW#: N/A			Other: N/A

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	1638/1638_Prep_W Uranium only (ICP/MS)	1631E/ Mercury, Low Level (CVAFS)	1630_ME/1630_Dist_PFP Methyl Mercury	1638/FIELD_FLTRD Dissolved Uranium only (ICP/MS) (field f	1631E/FIELD_FLTRD Dissolved Mercury, Low Level (CVAFS) (fi	1630_ME/FIELD_FLTRD Dissolved Methyl Mercury (field filtered	Total Number of containers	Special Instructions/Note:
			Preservation Code:											
NB1-3_20250303 (500-264768-17)	3/3/25	10:35 Eastern	G	Water			X	X	X	X	X	X	8	
NB1-3_20250303_FBLL (500-264768-18)	3/3/25	10:35 Eastern	G	Water				X					2	

Note: Since laboratory accreditations are subject to change, Eurofins Chicago places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Chicago laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Chicago attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Chicago.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	3/5/25 1530			3/6/25 10:20	EET
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 10/10/2024

Login Sample Receipt Checklist

Client: White Pine Copper LLC

Job Number: 500-264768-1

Login Number: 264768
List Number: 1
Creator: Hernandez, Stephanie

List Source: Eurofins Chicago

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	5.3,5.,5.3,5.3,1.6,5.0
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	False	Refer to Job Narrative for details.
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: White Pine Copper LLC

Job Number: 500-264768-1

Login Number: 264768
List Number: 2
Creator: Miller, Darren R

List Source: Eurofins Seattle Specialty Metals
List Creation: 03/06/25 03:17 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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Date:	3/6/2025
End Time:	1735
pH Paper Lot:	hc441704
Analyst:	

Preservative ID	Preservative Type	Container ID
A	Hydrochloric Acid	na
ZZZZZZZZZZZZZZZ	ZZZZZZZZZZZZZZZZZZZZZZZ	ZZZZZZZZZZ
ZZZZZZZZZZZZZZZ	ZZZZZZZZZZZZZZZZZZZZZZZ	ZZZZZZZZZZ
ZZZZZZZZZZZZZZZ	ZZZZZZZZZZZZZZZZZZZZZZZ	ZZZZZZZZZZ

Sample ID	Initial pH	Final pH	Preservative ID	Preservative Added (mL)	Comments
500-264768-E-1	<2				
500-264768-F-3	<2				
500-264768-F-7	<2				
500-264768-E-1 MSD	<2				
500-264768-F-15	<2				
500-264768-F-1 MS	<2				
500-264768-E-5	<2				
500-264768-E-15	<2				
500-264768-F-1	<2				
500-264768-E-1 MSD	<2			VL 3/6/25	
500-264768-E-11	<2				
500-264768-F-13	<2				
500-264768-F-17	<2				
500-264768-E-13	<2				
500-264768-E-9	<2				
500-264768-E-3	<2				
500-264768-F-11	<2				
500-264768-E-17	<2				
500-264768-E-7	<2				
500-264768-F-5	<2				
500-264768-F-1 MSD	<2				

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ANALYTICAL REPORT

PREPARED FOR

Attn: Amanda Zeidler
White Pine Copper LLC
35362 Mall Circle Drive
White Pine, Michigan 49971

Generated 4/1/2025 3:27:52 PM

JOB DESCRIPTION

White Pines, MI

JOB NUMBER

500-264885-1

Eurofins Chicago
18410 Crossing Drive
Suite E
Tinley Park IL 60487

See page two for job notes and contact information.

my EOL

Job Notes

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. This report is confidential and is intended for the sole use of Eurofins Environment Testing North Central, LLC and its client. All questions regarding this report should be directed to the Eurofins Environment Testing North Central, LLC Project Manager who has signed this report.

Results relate only to the items tested and the sample(s) as received by the laboratory. The results, detection limits (LOD) and Quantitation Limits (LOQ) have been adjusted for sample dilutions and/or solids content.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Chicago Project Manager.

Compliance Statement

The LOD and LOQ reported are adjusted by the dilution factor when a dilution factor greater than 1 is needed. Additionally, where results are indicated as being reported on a dry weight basis, the LOD and LOQ are adjusted for moisture content as well.

Definitions of Limits
- LOD = Limit of Detection = MDL as defined by 40 CFR part 136 Appendix B
- LOQ = Limit of Quantitation = 3.33 x LOD as defined by Wisconsin
- RL = Report Limit = a concentration supported by a standard in the calibration curves

Authorization



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Authorized for release by
Sandie Fredrick, Senior Project Manager
Sandra.Fredrick@et.eurofinsus.com
(920)261-1660

Table of Contents

Cover Page 1
Table of Contents 3
Case Narrative 4
Detection Summary 5
Method Summary 20
Sample Summary 21
Client Sample Results 22
Definitions 69
QC Association 70
QC Sample Results 83
Chronicle 102
Certification Summary 114
Chain of Custody 115
Receipt Checklists 127
Field Data Sheets 129

Job ID: 500-264885-1 — Eurofins Chicago

Job Narrative
500-264885-1

Receipt
The samples were received on 3/7/2025 9:10 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 6 coolers at receipt time were 0.3º C, 0.5º C, 1.1º C, 1.4º C, 1.5º C and 2.5º C.

Metals
Method 6020B: The method blank for preparation batch 500-809538 and analytical batch 500-810390 contained Sodium above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

Method 1630: The continuing calibration verification (CCV) associated with batch 350-5863 recovered above the upper control limit for Methyl Mercury. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 1630: The continuing calibration blank (CCB) for analytical batch 350-5863 contained Methyl Mercury above the reporting limit (RL). All reported samples associated with this CCB were either ND for this analyte or contained this analyte at a concentration greater than 10X the value found in the CCB; therefore, re-analysis of samples was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Field Service / Mobile Lab
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

General Chemistry
Method 300.0: The matrix spike (MS) and matrix spike duplicate (MSD) recoveries for analytical batch 500-809128 were outside control limits. Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 300.0: The following samples were received outside of holding time: PNC-04_20250304 (500-264885-5), PRC-01_20250304 (500-264885-7), CBR-02_20250304 (500-264885-13), LKS-01_20250304 (500-264885-15), MW-37_20250304 (500-264885-17), MW-42_20250304 (500-264885-20) and MW-38_20250304 (500-264885-24).

Method SM 2320B: The method blank for analytical batch 500-810035 contained Alkalinity above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-analysis of samples was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264885-1

Client Sample ID: PTC-01_20250306

Lab Sample ID: 500-264885-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl Mercury	0.024	J	0.050	0.022	ng/L	1		1630	Total/NA
Methyl Mercury	0.028	J	0.050	0.022	ng/L	1		1630	Dissolved
Mercury	2.0		0.50	0.20	ng/L	1		1631E	Total/NA
Mercury	1.5		0.50	0.20	ng/L	1		1631E	Dissolved
Uranium	0.16		0.050	0.0098	ug/L	1		1638	Total Recoverable
Uranium	0.18		0.050	0.0098	ug/L	1		1638	Dissolved
Aluminum	87	J	100	25	ug/L	1		6020B	Total Recoverable
Arsenic	0.24	J	1.0	0.23	ug/L	1		6020B	Total Recoverable
Barium	62		2.5	0.73	ug/L	1		6020B	Total Recoverable
Boron	27	J	50	13	ug/L	1		6020B	Total Recoverable
Calcium	23000		200	44	ug/L	1		6020B	Total Recoverable
Copper	5.9		2.0	0.50	ug/L	1		6020B	Total Recoverable
Iron	370		100	47	ug/L	1		6020B	Total Recoverable
Lead	0.94		0.50	0.19	ug/L	1		6020B	Total Recoverable
Magnesium	5200		200	49	ug/L	1		6020B	Total Recoverable
Manganese	12		2.5	0.79	ug/L	1		6020B	Total Recoverable
Potassium	1100		500	110	ug/L	1		6020B	Total Recoverable
Sodium	6200	B	200	77	ug/L	1		6020B	Total Recoverable
Strontium	130		4.0	0.64	ug/L	1		6020B	Total Recoverable
Aluminum	26	J	100	25	ug/L	1		6020B	Dissolved
Arsenic	0.23	J	1.0	0.23	ug/L	1		6020B	Dissolved
Barium	64		2.5	0.73	ug/L	1		6020B	Dissolved
Boron	29	J	50	13	ug/L	1		6020B	Dissolved
Calcium	25000		200	44	ug/L	1		6020B	Dissolved
Copper	5.4		2.0	0.50	ug/L	1		6020B	Dissolved
Iron	200		100	47	ug/L	1		6020B	Dissolved
Lead	0.32	J	0.50	0.19	ug/L	1		6020B	Dissolved
Magnesium	5500		200	49	ug/L	1		6020B	Dissolved
Manganese	5.4		2.5	0.79	ug/L	1		6020B	Dissolved
Potassium	1100		500	110	ug/L	1		6020B	Dissolved
Sodium	6600	B	200	77	ug/L	1		6020B	Dissolved
Strontium	140		4.0	0.64	ug/L	1		6020B	Dissolved
Hardness as calcium carbonate	80		0.91	0.46	mg/L	1		SM 2340B	Total Recoverable
Nitrate as N	2.2	F1	1.0	0.37	mg/L	1		300.0	Total/NA
Chloride	17		1.0	0.42	mg/L	1		300.0	Total/NA
Nitrate Nitrite as N	2.2	F1	1.0	0.37	mg/L	1		300.0	Total/NA
Sulfate	2.4		1.0	0.47	mg/L	1		300.0	Total/NA
Phosphorus as P	0.077		0.050	0.024	mg/L	1		365.1	Total/NA
Alkalinity	66		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	66		5.0	3.7	mg/L	1		SM 2320B	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264885-1

Client Sample ID: PTC-01_20250306 (Continued) — Lab Sample ID: 500-264885-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Dissolved Solids	180		10	4.3	mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	2.8	J	5.0	1.9	mg/L	1		SM 2540D	Total/NA
Total Organic Carbon	6.1		1.0	0.47	mg/L	1		SM 5310C	Total/NA
Dissolved Organic Carbon	6.7		1.0	0.47	mg/L	1		SM 5310C	Dissolved

Client Sample ID: PTC-01_20250306_FBLL — Lab Sample ID: 500-264885-2

No Detections.

Client Sample ID: ARC-03_20250306 — Lab Sample ID: 500-264885-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl Mercury	0.040	J	0.050	0.022	ng/L	1		1630	Total/NA
Methyl Mercury	0.042	J	0.050	0.022	ng/L	1		1630	Dissolved
Mercury	5.9		0.50	0.20	ng/L	1		1631E	Total/NA
Mercury	4.4		0.50	0.20	ng/L	1		1631E	Dissolved
Uranium	0.14		0.050	0.0098	ug/L	1		1638	Total Recoverable
Uranium	0.11		0.050	0.0098	ug/L	1		1638	Dissolved
Aluminum	550		100	25	ug/L	1		6020B	Total Recoverable
Arsenic	0.28	J	1.0	0.23	ug/L	1		6020B	Total Recoverable
Barium	26		2.5	0.73	ug/L	1		6020B	Total Recoverable
Calcium	9200		200	44	ug/L	1		6020B	Total Recoverable
Copper	9.5		2.0	0.50	ug/L	1		6020B	Total Recoverable
Iron	490		100	47	ug/L	1		6020B	Total Recoverable
Lead	0.31	J	0.50	0.19	ug/L	1		6020B	Total Recoverable
Magnesium	2100		200	49	ug/L	1		6020B	Total Recoverable
Manganese	10		2.5	0.79	ug/L	1		6020B	Total Recoverable
Potassium	810		500	110	ug/L	1		6020B	Total Recoverable
Sodium	1800	B	200	77	ug/L	1		6020B	Total Recoverable
Strontium	36		4.0	0.64	ug/L	1		6020B	Total Recoverable
Aluminum	120		100	25	ug/L	1		6020B	Dissolved
Barium	21		2.5	0.73	ug/L	1		6020B	Dissolved
Calcium	8900		200	44	ug/L	1		6020B	Dissolved
Copper	7.6		2.0	0.50	ug/L	1		6020B	Dissolved
Iron	160		100	47	ug/L	1		6020B	Dissolved
Magnesium	2000		200	49	ug/L	1		6020B	Dissolved
Manganese	5.2		2.5	0.79	ug/L	1		6020B	Dissolved
Potassium	750		500	110	ug/L	1		6020B	Dissolved
Sodium	1700	B	200	77	ug/L	1		6020B	Dissolved
Strontium	34		4.0	0.64	ug/L	1		6020B	Dissolved
Hardness as calcium carbonate	32		0.91	0.46	mg/L	1		SM 2340B	Total Recoverable
Nitrate as N	1.2		1.0	0.37	mg/L	1		300.0	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: ARC-03_20250306 (Continued) — Lab Sample ID: 500-264885-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	1.7		1.0	0.42	mg/L	1		300.0	Total/NA
Nitrate Nitrite as N	1.2		1.0	0.37	mg/L	1		300.0	Total/NA
Sulfate	1.8		1.0	0.47	mg/L	1		300.0	Total/NA
Phosphorus as P	0.033	J	0.050	0.024	mg/L	1		365.1	Total/NA
Alkalinity	28		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	28		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	60		10	4.3	mg/L	1		SM 2540C	Total/NA
Sulfide	0.32	J	1.0	0.23	mg/L	1		SM 4500 S2 F	Total/NA
Total Organic Carbon	7.9		1.0	0.47	mg/L	1		SM 5310C	Total/NA
Dissolved Organic Carbon	8.4		1.0	0.47	mg/L	1		SM 5310C	Dissolved

Client Sample ID: ARC-03_20250306_FBLL — Lab Sample ID: 500-264885-4

No Detections.

Client Sample ID: PNC-04_20250304 — Lab Sample ID: 500-264885-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl Mercury	0.040	J	0.050	0.022	ng/L	1		1630	Total/NA
Methyl Mercury	0.024	J	0.050	0.022	ng/L	1		1630	Dissolved
Mercury	2.8		0.50	0.20	ng/L	1		1631E	Total/NA
Mercury	2.0		0.50	0.20	ng/L	1		1631E	Dissolved
Uranium	0.17		0.050	0.0098	ug/L	1		1638	Total Recoverable
Uranium	0.16		0.050	0.0098	ug/L	1		1638	Dissolved
Aluminum	190		100	25	ug/L	1		6020B	Total Recoverable
Arsenic	0.30	J	1.0	0.23	ug/L	1		6020B	Total Recoverable
Barium	39		2.5	0.73	ug/L	1		6020B	Total Recoverable
Calcium	21000		200	44	ug/L	1		6020B	Total Recoverable
Copper	12		2.0	0.50	ug/L	1		6020B	Total Recoverable
Iron	770		100	47	ug/L	1		6020B	Total Recoverable
Magnesium	4800		200	49	ug/L	1		6020B	Total Recoverable
Manganese	40		2.5	0.79	ug/L	1		6020B	Total Recoverable
Potassium	990		500	110	ug/L	1		6020B	Total Recoverable
Sodium	3700	B	200	77	ug/L	1		6020B	Total Recoverable
Strontium	99		4.0	0.64	ug/L	1		6020B	Total Recoverable
Aluminum	45	J	100	25	ug/L	1		6020B	Dissolved
Arsenic	0.27	J	1.0	0.23	ug/L	1		6020B	Dissolved
Barium	37		2.5	0.73	ug/L	1		6020B	Dissolved
Calcium	22000		200	44	ug/L	1		6020B	Dissolved
Copper	10		2.0	0.50	ug/L	1		6020B	Dissolved
Iron	490		100	47	ug/L	1		6020B	Dissolved
Lead	0.19	J	0.50	0.19	ug/L	1		6020B	Dissolved
Magnesium	5000		200	49	ug/L	1		6020B	Dissolved

This Detection Summary does not include radiochemical test results.

Client Sample ID: PNC-04_20250304 (Continued) — Lab Sample ID: 500-264885-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Manganese	32		2.5	0.79	ug/L	1		6020B	Dissolved
Potassium	1000		500	110	ug/L	1		6020B	Dissolved
Sodium	3800	B	200	77	ug/L	1		6020B	Dissolved
Strontium	100		4.0	0.64	ug/L	1		6020B	Dissolved
Hardness as calcium carbonate	72		0.91	0.46	mg/L	1		SM 2340B	Total Recoverable
Nitrate as N	2.0	H3	1.0	0.37	mg/L	1		300.0	Total/NA
Chloride	13		1.0	0.42	mg/L	1		300.0	Total/NA
Nitrate Nitrite as N	2.0	H3	1.0	0.37	mg/L	1		300.0	Total/NA
Sulfate	1.8		1.0	0.47	mg/L	1		300.0	Total/NA
Alkalinity	63	B	5.0	3.7	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	63	B	5.0	3.7	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	98		10	4.3	mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	3.8	J	5.0	1.9	mg/L	1		SM 2540D	Total/NA
Total Organic Carbon	8.0		1.0	0.47	mg/L	1		SM 5310C	Total/NA
Dissolved Organic Carbon	8.4		1.0	0.47	mg/L	1		SM 5310C	Dissolved

Client Sample ID: PNC-04_20250304_FBLL — Lab Sample ID: 500-264885-6

No Detections.

Client Sample ID: PRC-01_20250304 — Lab Sample ID: 500-264885-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	0.37	J	0.50	0.20	ng/L	1		1631E	Total/NA
Mercury	0.24	J	0.50	0.20	ng/L	1		1631E	Dissolved
Uranium	0.89		0.050	0.0098	ug/L	1		1638	Total Recoverable
Uranium	0.92		0.050	0.0098	ug/L	1		1638	Dissolved
Aluminum	25	J	100	25	ug/L	1		6020B	Total Recoverable
Arsenic	0.56	J	1.0	0.23	ug/L	1		6020B	Total Recoverable
Barium	180		2.5	0.73	ug/L	1		6020B	Total Recoverable
Boron	170		50	13	ug/L	1		6020B	Total Recoverable
Calcium	89000		200	44	ug/L	1		6020B	Total Recoverable
Copper	36		2.0	0.50	ug/L	1		6020B	Total Recoverable
Iron	110		100	47	ug/L	1		6020B	Total Recoverable
Lithium	29		10	2.5	ug/L	1		6020B	Total Recoverable
Magnesium	13000		200	49	ug/L	1		6020B	Total Recoverable
Manganese	250		2.5	0.79	ug/L	1		6020B	Total Recoverable
Molybdenum	40		5.0	2.5	ug/L	1		6020B	Total Recoverable
Potassium	5400		500	110	ug/L	1		6020B	Total Recoverable
Selenium	1.0	J	2.5	0.98	ug/L	1		6020B	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client Sample ID: PRC-01_20250304 (Continued) — Lab Sample ID: 500-264885-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sodium	43000	B	200	77	ug/L	1		6020B	Total Recoverable
Strontium	850		4.0	0.64	ug/L	1		6020B	Total Recoverable
Arsenic	0.53	J	1.0	0.23	ug/L	1		6020B	Dissolved
Barium	180		2.5	0.73	ug/L	1		6020B	Dissolved
Boron	170		50	13	ug/L	1		6020B	Dissolved
Calcium	90000		200	44	ug/L	1		6020B	Dissolved
Copper	30		2.0	0.50	ug/L	1		6020B	Dissolved
Lithium	28		10	2.5	ug/L	1		6020B	Dissolved
Magnesium	14000		200	49	ug/L	1		6020B	Dissolved
Manganese	260		2.5	0.79	ug/L	1		6020B	Dissolved
Molybdenum	41		5.0	2.5	ug/L	1		6020B	Dissolved
Potassium	5600		500	110	ug/L	1		6020B	Dissolved
Sodium	44000	B	200	77	ug/L	1		6020B	Dissolved
Strontium	860		4.0	0.64	ug/L	1		6020B	Dissolved
Hardness as calcium carbonate	280		0.91	0.46	mg/L	1		SM 2340B	Total Recoverable
Nitrate as N	3.7	H3	1.0	0.37	mg/L	1		300.0	Total/NA
Chloride	130		1.0	0.42	mg/L	1		300.0	Total/NA
Nitrate Nitrite as N	3.7	H3	1.0	0.37	mg/L	1		300.0	Total/NA
Sulfate	28		1.0	0.47	mg/L	1		300.0	Total/NA
Alkalinity	150	B	5.0	3.7	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	150	B	5.0	3.7	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	440		10	4.3	mg/L	1		SM 2540C	Total/NA
Total Organic Carbon	4.8		1.0	0.47	mg/L	1		SM 5310C	Total/NA
Dissolved Organic Carbon	4.8		1.0	0.47	mg/L	1		SM 5310C	Dissolved

Client Sample ID: PRC-01_20250304_FBLL — Lab Sample ID: 500-264885-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	0.34	J	0.50	0.20	ng/L	1		1631E	Total/NA

Client Sample ID: SMW-35B_20250306 — Lab Sample ID: 500-264885-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl Mercury	0.026	J	0.050	0.022	ng/L	1		1630	Total/NA
Mercury	0.50		0.50	0.20	ng/L	1		1631E	Total/NA
Mercury	0.30	J	0.50	0.20	ng/L	1		1631E	Dissolved
Uranium	0.52		0.050	0.0098	ug/L	1		1638	Total Recoverable
Uranium	0.51		0.050	0.0098	ug/L	1		1638	Dissolved
Aluminum	110		100	25	ug/L	1		6020B	Total Recoverable
Arsenic	0.48	J	1.0	0.23	ug/L	1		6020B	Total Recoverable
Barium	6.0		2.5	0.73	ug/L	1		6020B	Total Recoverable
Boron	4700		50	13	ug/L	1		6020B	Total Recoverable
Calcium	3300		200	44	ug/L	1		6020B	Total Recoverable
Chromium	1.2	J	5.0	1.1	ug/L	1		6020B	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client Sample ID: SMW-35B_20250306 (Continued) — Lab Sample ID: 500-264885-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Copper	3.7		2.0	0.50	ug/L	1		6020B	Total Recoverable
Iron	84	J	100	47	ug/L	1		6020B	Total Recoverable
Lithium	24		10	2.5	ug/L	1		6020B	Total Recoverable
Magnesium	380		200	49	ug/L	1		6020B	Total Recoverable
Manganese	6.1		2.5	0.79	ug/L	1		6020B	Total Recoverable
Molybdenum	9.7		5.0	2.5	ug/L	1		6020B	Total Recoverable
Nickel	6.8		2.0	0.63	ug/L	1		6020B	Total Recoverable
Potassium	1700		500	110	ug/L	1		6020B	Total Recoverable
Sodium	110000	B	200	77	ug/L	1		6020B	Total Recoverable
Strontium	25		4.0	0.64	ug/L	1		6020B	Total Recoverable
Vanadium	4.2	J	5.0	2.2	ug/L	1		6020B	Total Recoverable
Aluminum	30	J	100	25	ug/L	1		6020B	Dissolved
Arsenic	0.46	J	1.0	0.23	ug/L	1		6020B	Dissolved
Barium	5.2		2.5	0.73	ug/L	1		6020B	Dissolved
Boron	4800		50	13	ug/L	1		6020B	Dissolved
Calcium	3300		200	44	ug/L	1		6020B	Dissolved
Lithium	23		10	2.5	ug/L	1		6020B	Dissolved
Magnesium	360		200	49	ug/L	1		6020B	Dissolved
Manganese	2.3	J	2.5	0.79	ug/L	1		6020B	Dissolved
Molybdenum	10		5.0	2.5	ug/L	1		6020B	Dissolved
Potassium	1800		500	110	ug/L	1		6020B	Dissolved
Sodium	110000	B	200	77	ug/L	1		6020B	Dissolved
Strontium	23		4.0	0.64	ug/L	1		6020B	Dissolved
Vanadium	3.9	J	5.0	2.2	ug/L	1		6020B	Dissolved
Hardness as calcium carbonate	9.8		0.91	0.46	mg/L	1		SM 2340B	Total Recoverable
Nitrate as N	2.7		1.0	0.37	mg/L	1		300.0	Total/NA
Chloride	93		1.0	0.42	mg/L	1		300.0	Total/NA
Fluoride	1.6		1.0	0.43	mg/L	1		300.0	Total/NA
Nitrate Nitrite as N	2.7		1.0	0.37	mg/L	1		300.0	Total/NA
Sulfate	7.8		1.0	0.47	mg/L	1		300.0	Total/NA
Phosphorus as P	0.056		0.050	0.024	mg/L	1		365.1	Total/NA
Alkalinity	100		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	79		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Carbonate Alkalinity as CaCO3	24		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	280		10	4.3	mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	2.4	J	5.0	1.9	mg/L	1		SM 2540D	Total/NA
Total Organic Carbon	1.3		1.0	0.47	mg/L	1		SM 5310C	Total/NA
Dissolved Organic Carbon	2.5		1.0	0.47	mg/L	1		SM 5310C	Dissolved

Client Sample ID: SMW-35B_20250306_FBLL — Lab Sample ID: 500-264885-10

No Detections.

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264885-1

Client Sample ID: SMW-3_20250306 — Lab Sample ID: 500-264885-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	0.30	J	0.50	0.20	ng/L	1		1631E	Dissolved
Uranium	0.041	J	0.050	0.0098	ug/L	1		1638	Total Recoverable
Uranium	0.064		0.050	0.0098	ug/L	1		1638	Dissolved
Arsenic	1.1		1.0	0.23	ug/L	1		6020B	Total Recoverable
Barium	32		2.5	0.73	ug/L	1		6020B	Total Recoverable
Boron	290		50	13	ug/L	1		6020B	Total Recoverable
Calcium	11000		200	44	ug/L	1		6020B	Total Recoverable
Iron	47	J	100	47	ug/L	1		6020B	Total Recoverable
Magnesium	1700		200	49	ug/L	1		6020B	Total Recoverable
Manganese	17		2.5	0.79	ug/L	1		6020B	Total Recoverable
Molybdenum	19		5.0	2.5	ug/L	1		6020B	Total Recoverable
Potassium	900		500	110	ug/L	1		6020B	Total Recoverable
Sodium	42000	B	200	77	ug/L	1		6020B	Total Recoverable
Strontium	120		4.0	0.64	ug/L	1		6020B	Total Recoverable
Arsenic	0.89	J	1.0	0.23	ug/L	1		6020B	Dissolved
Barium	30		2.5	0.73	ug/L	1		6020B	Dissolved
Boron	270		50	13	ug/L	1		6020B	Dissolved
Calcium	10000		200	44	ug/L	1		6020B	Dissolved
Magnesium	1600		200	49	ug/L	1		6020B	Dissolved
Manganese	15		2.5	0.79	ug/L	1		6020B	Dissolved
Molybdenum	18		5.0	2.5	ug/L	1		6020B	Dissolved
Potassium	860		500	110	ug/L	1		6020B	Dissolved
Sodium	41000	B	200	77	ug/L	1		6020B	Dissolved
Strontium	110		4.0	0.64	ug/L	1		6020B	Dissolved
Hardness as calcium carbonate	34		0.91	0.46	mg/L	1		SM 2340B	Total Recoverable
Nitrate as N	2.1		1.0	0.37	mg/L	1		300.0	Total/NA
Chloride	39		1.0	0.42	mg/L	1		300.0	Total/NA
Nitrate Nitrite as N	2.1		1.0	0.37	mg/L	1		300.0	Total/NA
Cyanide, Total	0.0080		0.0050	0.0036	mg/L	1		335.4	Total/NA
Alkalinity	69		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	69		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	130		10	4.3	mg/L	1		SM 2540C	Total/NA
Total Organic Carbon	2.3		1.0	0.47	mg/L	1		SM 5310C	Total/NA
Dissolved Organic Carbon	2.1		1.0	0.47	mg/L	1		SM 5310C	Dissolved

Client Sample ID: SMW-3_20250306_FBLL — Lab Sample ID: 500-264885-12

No Detections.

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264885-1

Client Sample ID: CBR-02_20250304

Lab Sample ID: 500-264885-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl Mercury	0.15		0.050	0.022	ng/L	1		1630	Total/NA
Methyl Mercury	0.041	J ^+ ^2	0.050	0.022	ng/L	1		1630	Dissolved
Mercury	7.8		0.50	0.20	ng/L	1		1631E	Total/NA
Mercury	4.1		0.50	0.20	ng/L	1		1631E	Dissolved
Uranium	0.27		0.050	0.0098	ug/L	1		1638	Total Recoverable
Uranium	0.13		0.050	0.0098	ug/L	1		1638	Dissolved
Aluminum	640		100	25	ug/L	1		6020B	Total Recoverable
Arsenic	0.43	J	1.0	0.23	ug/L	1		6020B	Total Recoverable
Barium	48		2.5	0.73	ug/L	1		6020B	Total Recoverable
Boron	34	J	50	13	ug/L	1		6020B	Total Recoverable
Calcium	13000		200	44	ug/L	1		6020B	Total Recoverable
Copper	5.3		2.0	0.50	ug/L	1		6020B	Total Recoverable
Iron	1000		100	47	ug/L	1		6020B	Total Recoverable
Lead	0.52		0.50	0.19	ug/L	1		6020B	Total Recoverable
Magnesium	3400		200	49	ug/L	1		6020B	Total Recoverable
Manganese	42		2.5	0.79	ug/L	1		6020B	Total Recoverable
Nickel	0.75	J	2.0	0.63	ug/L	1		6020B	Total Recoverable
Potassium	880		500	110	ug/L	1		6020B	Total Recoverable
Selenium	1.0	J	2.5	0.98	ug/L	1		6020B	Total Recoverable
Sodium	3600	B	200	77	ug/L	1		6020B	Total Recoverable
Strontium	60		4.0	0.64	ug/L	1		6020B	Total Recoverable
Aluminum	100		100	25	ug/L	1		6020B	Dissolved
Arsenic	0.26	J	1.0	0.23	ug/L	1		6020B	Dissolved
Barium	31		2.5	0.73	ug/L	1		6020B	Dissolved
Boron	31	J	50	13	ug/L	1		6020B	Dissolved
Calcium	12000		200	44	ug/L	1		6020B	Dissolved
Copper	3.1		2.0	0.50	ug/L	1		6020B	Dissolved
Iron	290		100	47	ug/L	1		6020B	Dissolved
Magnesium	3000		200	49	ug/L	1		6020B	Dissolved
Manganese	29		2.5	0.79	ug/L	1		6020B	Dissolved
Potassium	790		500	110	ug/L	1		6020B	Dissolved
Sodium	3400	B	200	77	ug/L	1		6020B	Dissolved
Strontium	56		4.0	0.64	ug/L	1		6020B	Dissolved
Hardness as calcium carbonate	45		0.91	0.46	mg/L	1		SM 2340B	Total Recoverable
Nitrate as N	1.4	H3	1.0	0.37	mg/L	1		300.0	Total/NA
Chloride	5.9		1.0	0.42	mg/L	1		300.0	Total/NA
Nitrate Nitrite as N	1.4	H3	1.0	0.37	mg/L	1		300.0	Total/NA
Sulfate	2.8		1.0	0.47	mg/L	1		300.0	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: CBR-02_20250304 (Continued) — Lab Sample ID: 500-264885-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Phosphorus as P	0.10		0.050	0.024	mg/L	1		365.1	Total/NA
Alkalinity	46	B	5.0	3.7	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	46	B	5.0	3.7	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	78		10	4.3	mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	160		16	6.0	mg/L	1		SM 2540D	Total/NA
Total Organic Carbon	8.7		1.0	0.47	mg/L	1		SM 5310C	Total/NA
Dissolved Organic Carbon	8.4		1.0	0.47	mg/L	1		SM 5310C	Dissolved

Client Sample ID: CBR-02_20250304_FBLL — Lab Sample ID: 500-264885-14

No Detections.

Client Sample ID: LKS-01_20250304 — Lab Sample ID: 500-264885-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	7.2		0.50	0.20	ng/L	1		1631E	Total/NA
Mercury	4.8		0.50	0.20	ng/L	1		1631E	Dissolved
Uranium	0.42	B	0.050	0.0098	ug/L	1		1638	Total Recoverable
Uranium	0.27		0.050	0.0098	ug/L	1		1638	Dissolved
Aluminum	3800		100	25	ug/L	1		6020B	Total Recoverable
Arsenic	0.88	J	1.0	0.23	ug/L	1		6020B	Total Recoverable
Barium	120		2.5	0.73	ug/L	1		6020B	Total Recoverable
Boron	65		50	13	ug/L	1		6020B	Total Recoverable
Calcium	28000		200	44	ug/L	1		6020B	Total Recoverable
Chromium	4.1	J	5.0	1.1	ug/L	1		6020B	Total Recoverable
Cobalt	2.3		1.0	0.40	ug/L	1		6020B	Total Recoverable
Copper	15		2.0	0.50	ug/L	1		6020B	Total Recoverable
Iron	2600		100	47	ug/L	1		6020B	Total Recoverable
Lead	1.3		0.50	0.19	ug/L	1		6020B	Total Recoverable
Lithium	4.8	J	10	2.5	ug/L	1		6020B	Total Recoverable
Magnesium	7000		200	49	ug/L	1		6020B	Total Recoverable
Manganese	56		2.5	0.79	ug/L	1		6020B	Total Recoverable
Nickel	4.6		2.0	0.63	ug/L	1		6020B	Total Recoverable
Potassium	1800		500	110	ug/L	1		6020B	Total Recoverable
Selenium	1.1	J	2.5	0.98	ug/L	1		6020B	Total Recoverable
Sodium	32000		200	77	ug/L	1		6020B	Total Recoverable
Strontium	99		4.0	0.64	ug/L	1		6020B	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client Sample ID: LKS-01_20250304 (Continued) — Lab Sample ID: 500-264885-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vanadium	8.0		5.0	2.2	ug/L	1		6020B	Total Recoverable
Zinc	12	J	20	6.9	ug/L	1		6020B	Total Recoverable
Aluminum	66	J	100	25	ug/L	1		6020B	Dissolved
Arsenic	0.38	J	1.0	0.23	ug/L	1		6020B	Dissolved
Barium	94		2.5	0.73	ug/L	1		6020B	Dissolved
Boron	61		50	13	ug/L	1		6020B	Dissolved
Calcium	27000		200	44	ug/L	1		6020B	Dissolved
Copper	11		2.0	0.50	ug/L	1		6020B	Dissolved
Iron	73	J	100	47	ug/L	1		6020B	Dissolved
Magnesium	5700		200	49	ug/L	1		6020B	Dissolved
Manganese	4.0		2.5	0.79	ug/L	1		6020B	Dissolved
Potassium	1200		500	110	ug/L	1		6020B	Dissolved
Selenium	1.2	J	2.5	0.98	ug/L	1		6020B	Dissolved
Sodium	32000		200	77	ug/L	1		6020B	Dissolved
Strontium	96		4.0	0.64	ug/L	1		6020B	Dissolved
Hardness as calcium carbonate	98		0.91	0.46	mg/L	1		SM 2340B	Total Recoverable
Nitrate as N	1.7	H3	1.0	0.37	mg/L	1		300.0	Total/NA
Chloride	73		1.0	0.42	mg/L	1		300.0	Total/NA
Nitrate Nitrite as N	1.7	H3	1.0	0.37	mg/L	1		300.0	Total/NA
Sulfate	5.4		1.0	0.47	mg/L	1		300.0	Total/NA
Phosphorus as P	0.048	J	0.050	0.024	mg/L	1		365.1	Total/NA
Alkalinity	54	B	5.0	3.7	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	54	B	5.0	3.7	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	200		10	4.3	mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	67		17	6.4	mg/L	1		SM 2540D	Total/NA
Total Organic Carbon	8.9		1.0	0.47	mg/L	1		SM 5310C	Total/NA
Dissolved Organic Carbon	9.4		1.0	0.47	mg/L	1		SM 5310C	Dissolved

Client Sample ID: LKS-01_20250304_FBLL — Lab Sample ID: 500-264885-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	0.51		0.50	0.20	ng/L	1		1631E	Total/NA

Client Sample ID: MW-37_20250304 — Lab Sample ID: 500-264885-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	0.50		0.50	0.20	ng/L	1		1631E	Total/NA
Mercury	0.38	J	0.50	0.20	ng/L	1		1631E	Dissolved
Uranium	1.3	B	0.050	0.0098	ug/L	1		1638	Total Recoverable
Uranium	0.81		0.050	0.0098	ug/L	1		1638	Dissolved
Aluminum	280		100	25	ug/L	1		6020B	Total Recoverable
Arsenic	1.2		1.0	0.23	ug/L	1		6020B	Total Recoverable
Barium	260		2.5	0.73	ug/L	1		6020B	Total Recoverable
Boron	63		50	13	ug/L	1		6020B	Total Recoverable
Calcium	86000		200	44	ug/L	1		6020B	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-37_20250304 (Continued) — Lab Sample ID: 500-264885-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chromium	1.7	J	5.0	1.1	ug/L	1		6020B	Total Recoverable
Copper	1.2	J	2.0	0.50	ug/L	1		6020B	Total Recoverable
Iron	270		100	47	ug/L	1		6020B	Total Recoverable
Lithium	12		10	2.5	ug/L	1		6020B	Total Recoverable
Magnesium	15000		200	49	ug/L	1		6020B	Total Recoverable
Manganese	11		2.5	0.79	ug/L	1		6020B	Total Recoverable
Potassium	870		500	110	ug/L	1		6020B	Total Recoverable
Selenium	1.1	J	2.5	0.98	ug/L	1		6020B	Total Recoverable
Sodium	8600		200	77	ug/L	1		6020B	Total Recoverable
Strontium	320		4.0	0.64	ug/L	1		6020B	Total Recoverable
Vanadium	6.0		5.0	2.2	ug/L	1		6020B	Total Recoverable
Arsenic	0.72	J	1.0	0.23	ug/L	1		6020B	Dissolved
Barium	250		2.5	0.73	ug/L	1		6020B	Dissolved
Boron	42	J	50	13	ug/L	1		6020B	Dissolved
Calcium	73000		200	44	ug/L	1		6020B	Dissolved
Copper	0.77	J	2.0	0.50	ug/L	1		6020B	Dissolved
Lithium	9.7	J	10	2.5	ug/L	1		6020B	Dissolved
Magnesium	14000		200	49	ug/L	1		6020B	Dissolved
Manganese	0.93	J	2.5	0.79	ug/L	1		6020B	Dissolved
Potassium	670		500	110	ug/L	1		6020B	Dissolved
Sodium	7700		200	77	ug/L	1		6020B	Dissolved
Strontium	210		4.0	0.64	ug/L	1		6020B	Dissolved
Vanadium	4.3	J	5.0	2.2	ug/L	1		6020B	Dissolved
Hardness as calcium carbonate	280		0.91	0.46	mg/L	1		SM 2340B	Total Recoverable
Nitrate as N	5.4	H3	1.0	0.37	mg/L	1		300.0	Total/NA
Chloride	23		1.0	0.42	mg/L	1		300.0	Total/NA
Nitrate Nitrite as N	5.4	H3	1.0	0.37	mg/L	1		300.0	Total/NA
Sulfate	1.9		1.0	0.47	mg/L	1		300.0	Total/NA
Phosphorus as P	0.033	J	0.050	0.024	mg/L	1		365.1	Total/NA
Alkalinity	210	B	5.0	3.7	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	210	B	5.0	3.7	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	260		10	4.3	mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	2.2	J	5.0	1.9	mg/L	1		SM 2540D	Total/NA
Total Organic Carbon	1.0		1.0	0.47	mg/L	1		SM 5310C	Total/NA
Dissolved Organic Carbon	1.1		1.0	0.47	mg/L	1		SM 5310C	Dissolved

Client Sample ID: MW-37_20250304_FBLL — Lab Sample ID: 500-264885-18

No Detections.

Client Sample ID: FB-02_20250304_FBLL — Lab Sample ID: 500-264885-19

No Detections.

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264885-1

Client Sample ID: MW-42_20250304

Lab Sample ID: 500-264885-20

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	4.0	B	0.50	0.20	ng/L	1		1631E	Total/NA
Mercury	1.8		0.50	0.20	ng/L	1		1631E	Dissolved
Uranium	6.5	B	0.050	0.0098	ug/L	1		1638	Total Recoverable
Uranium	6.5		0.050	0.0098	ug/L	1		1638	Dissolved
Aluminum	1200		100	25	ug/L	1		6020B	Total Recoverable
Arsenic	6.5		1.0	0.23	ug/L	1		6020B	Total Recoverable
Barium	17		2.5	0.73	ug/L	1		6020B	Total Recoverable
Boron	700		50	13	ug/L	1		6020B	Total Recoverable
Calcium	3700		200	44	ug/L	1		6020B	Total Recoverable
Chromium	1.8	J	5.0	1.1	ug/L	1		6020B	Total Recoverable
Cobalt	0.55	J	1.0	0.40	ug/L	1		6020B	Total Recoverable
Copper	5.9		2.0	0.50	ug/L	1		6020B	Total Recoverable
Iron	910		100	47	ug/L	1		6020B	Total Recoverable
Lead	0.34	J	0.50	0.19	ug/L	1		6020B	Total Recoverable
Lithium	15		10	2.5	ug/L	1		6020B	Total Recoverable
Magnesium	630		200	49	ug/L	1		6020B	Total Recoverable
Manganese	29		2.5	0.79	ug/L	1		6020B	Total Recoverable
Molybdenum	12		5.0	2.5	ug/L	1		6020B	Total Recoverable
Nickel	1.3	J	2.0	0.63	ug/L	1		6020B	Total Recoverable
Potassium	640		500	110	ug/L	1		6020B	Total Recoverable
Selenium	1.5	J	2.5	0.98	ug/L	1		6020B	Total Recoverable
Sodium	77000		200	77	ug/L	1		6020B	Total Recoverable
Strontium	46		4.0	0.64	ug/L	1		6020B	Total Recoverable
Vanadium	21		5.0	2.2	ug/L	1		6020B	Total Recoverable
Zinc	9.9	J	20	6.9	ug/L	1		6020B	Total Recoverable
Arsenic	4.8		1.0	0.23	ug/L	1		6020B	Dissolved
Barium	5.7		2.5	0.73	ug/L	1		6020B	Dissolved
Boron	710		50	13	ug/L	1		6020B	Dissolved
Calcium	3600		200	44	ug/L	1		6020B	Dissolved
Copper	3.0		2.0	0.50	ug/L	1		6020B	Dissolved
Lithium	14		10	2.5	ug/L	1		6020B	Dissolved
Magnesium	300		200	49	ug/L	1		6020B	Dissolved
Molybdenum	13		5.0	2.5	ug/L	1		6020B	Dissolved
Potassium	290	J	500	110	ug/L	1		6020B	Dissolved

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-42_20250304 (Continued) — Lab Sample ID: 500-264885-20

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Selenium	1.7	J	2.5	0.98	ug/L	1		6020B	Dissolved
Sodium	77000		200	77	ug/L	1		6020B	Dissolved
Strontium	44		4.0	0.64	ug/L	1		6020B	Dissolved
Vanadium	18		5.0	2.2	ug/L	1		6020B	Dissolved
Hardness as calcium carbonate	12		0.91	0.46	mg/L	1		SM 2340B	Total Recoverable
Nitrate as N	3.8	H3	1.0	0.37	mg/L	1		300.0	Total/NA
Chloride	1.2		1.0	0.42	mg/L	1		300.0	Total/NA
Fluoride	1.3		1.0	0.43	mg/L	1		300.0	Total/NA
Nitrate Nitrite as N	3.8	H3	1.0	0.37	mg/L	1		300.0	Total/NA
Sulfate	15		1.0	0.47	mg/L	1		300.0	Total/NA
Cyanide, Total	0.0040	J	0.0050	0.0036	mg/L	1		335.4	Total/NA
Phosphorus as P	0.36		0.050	0.024	mg/L	1		365.1	Total/NA
Alkalinity	140	B	5.0	3.7	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	130	B	5.0	3.7	mg/L	1		SM 2320B	Total/NA
Carbonate Alkalinity as CaCO3	14		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	170		10	4.3	mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	3.8	J	5.0	1.9	mg/L	1		SM 2540D	Total/NA
Total Organic Carbon	2.2		1.0	0.47	mg/L	1		SM 5310C	Total/NA
Dissolved Organic Carbon	3.2		1.0	0.47	mg/L	1		SM 5310C	Dissolved

Client Sample ID: MW-42_20250304_FBLL — Lab Sample ID: 500-264885-21

No Detections.

Client Sample ID: MW-41_202503004 — Lab Sample ID: 500-264885-22

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Uranium	7.6		0.050	0.0098	ug/L	1		1638	Total Recoverable
Aluminum	130		100	25	ug/L	1		6020B	Total Recoverable
Arsenic	0.52	J	1.0	0.23	ug/L	1		6020B	Total Recoverable
Barium	80		2.5	0.73	ug/L	1		6020B	Total Recoverable
Boron	1400		50	13	ug/L	1		6020B	Total Recoverable
Calcium	43000		200	44	ug/L	1		6020B	Total Recoverable
Copper	1.6	J	2.0	0.50	ug/L	1		6020B	Total Recoverable
Iron	160		100	47	ug/L	1		6020B	Total Recoverable
Lithium	4.4	J	10	2.5	ug/L	1		6020B	Total Recoverable
Magnesium	2900		200	49	ug/L	1		6020B	Total Recoverable
Manganese	15		2.5	0.79	ug/L	1		6020B	Total Recoverable
Molybdenum	17		5.0	2.5	ug/L	1		6020B	Total Recoverable
Potassium	1200		500	110	ug/L	1		6020B	Total Recoverable
Selenium	1.7	J	2.5	0.98	ug/L	1		6020B	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-41_202503004 (Continued) — Lab Sample ID: 500-264885-22

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sodium	67000		200	77	ug/L	1		6020B	Total Recoverable
Strontium	800		4.0	0.64	ug/L	1		6020B	Total Recoverable
Hardness as calcium carbonate	120		0.91	0.46	mg/L	1		SM 2340B	Total Recoverable

Client Sample ID: MW-41_202503004_FBLL — Lab Sample ID: 500-264885-23

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	0.21	J	0.50	0.20	ng/L	1		1631E	Total/NA

Client Sample ID: MW-38_20250304 — Lab Sample ID: 500-264885-24

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	0.59		0.50	0.20	ng/L	1		1631E	Total/NA
Mercury	0.43	J	0.50	0.20	ng/L	1		1631E	Dissolved
Uranium	3.6	B	0.050	0.0098	ug/L	1		1638	Total Recoverable
Uranium	4.4		0.050	0.0098	ug/L	1		1638	Dissolved
Aluminum	30	J	100	25	ug/L	1		6020B	Total Recoverable
Arsenic	0.66	J	1.0	0.23	ug/L	1		6020B	Total Recoverable
Barium	86		2.5	0.73	ug/L	1		6020B	Total Recoverable
Boron	420		50	13	ug/L	1		6020B	Total Recoverable
Calcium	33000		200	44	ug/L	1		6020B	Total Recoverable
Copper	2.1		2.0	0.50	ug/L	1		6020B	Total Recoverable
Iron	57	J	100	47	ug/L	1		6020B	Total Recoverable
Lithium	30		10	2.5	ug/L	1		6020B	Total Recoverable
Magnesium	2300		200	49	ug/L	1		6020B	Total Recoverable
Manganese	75		2.5	0.79	ug/L	1		6020B	Total Recoverable
Molybdenum	29		5.0	2.5	ug/L	1		6020B	Total Recoverable
Potassium	920		500	110	ug/L	1		6020B	Total Recoverable
Selenium	1.4	J	2.5	0.98	ug/L	1		6020B	Total Recoverable
Sodium	97000		200	77	ug/L	1		6020B	Total Recoverable
Strontium	570		4.0	0.64	ug/L	1		6020B	Total Recoverable
Vanadium	7.5		5.0	2.2	ug/L	1		6020B	Total Recoverable
Arsenic	0.64	J	1.0	0.23	ug/L	1		6020B	Dissolved
Barium	80		2.5	0.73	ug/L	1		6020B	Dissolved
Boron	400		50	13	ug/L	1		6020B	Dissolved
Calcium	34000		200	44	ug/L	1		6020B	Dissolved
Copper	1.0	J	2.0	0.50	ug/L	1		6020B	Dissolved

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-38_20250304 (Continued) — Lab Sample ID: 500-264885-24

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lithium	31		10	2.5	ug/L	1		6020B	Dissolved
Magnesium	2600		200	49	ug/L	1		6020B	Dissolved
Manganese	1.6	J	2.5	0.79	ug/L	1		6020B	Dissolved
Molybdenum	26		5.0	2.5	ug/L	1		6020B	Dissolved
Potassium	910		500	110	ug/L	1		6020B	Dissolved
Selenium	1.5	J	2.5	0.98	ug/L	1		6020B	Dissolved
Sodium	93000		200	77	ug/L	1		6020B	Dissolved
Strontium	580		4.0	0.64	ug/L	1		6020B	Dissolved
Vanadium	7.1		5.0	2.2	ug/L	1		6020B	Dissolved
Hardness as calcium carbonate	92		0.91	0.46	mg/L	1		SM 2340B	Total Recoverable
Nitrate as N	4.0	H3	1.0	0.37	mg/L	1		300.0	Total/NA
Chloride	78		1.0	0.42	mg/L	1		300.0	Total/NA
Fluoride	0.86	J	1.0	0.43	mg/L	1		300.0	Total/NA
Nitrate Nitrite as N	4.0	H3	1.0	0.37	mg/L	1		300.0	Total/NA
Sulfate	27		1.0	0.47	mg/L	1		300.0	Total/NA
Alkalinity	150	B	5.0	3.7	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	150	B	5.0	3.7	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	280		10	4.3	mg/L	1		SM 2540C	Total/NA
Total Organic Carbon	1.6		1.0	0.47	mg/L	1		SM 5310C	Total/NA
Dissolved Organic Carbon	1.7		1.0	0.47	mg/L	1		SM 5310C	Dissolved

Client Sample ID: MW-38_20250304_FBLL — Lab Sample ID: 500-264885-25

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	0.26	J	0.50	0.20	ng/L	1		1631E	Total/NA

This Detection Summary does not include radiochemical test results.

Method Summary

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264885-1

Method	Method Description	Protocol	Laboratory
1630	Methyl Mercury	EPA	EET SSM
1631E	Mercury, Low Level (CVAFS)	EPA	EET SSM
1638	Metals (ICP/MS)	EPA	EET SSM
6020B	Metals (ICP/MS)	SW846	EET CHI
SM 2340B	Total Hardness (as CaCO3) by calculation	SM	EET CHI
300.0	Anions, Ion Chromatography	EPA	EET CHI
335.4	Cyanide, Total	EPA	EET CHI
350.1	Nitrogen, Ammonia	EPA	EET CHI
365.1	Phosphorus, Total	EPA	EET CHI
SM 2320B	Alkalinity	SM	EET CHI
SM 2520B	Salinity	SM	EET CHI
SM 2540C	Solids, Total Dissolved (TDS)	SM	EET CHI
SM 2540D	Solids, Total Suspended (TSS)	SM	EET CHI
SM 4500 S2 F	Sulfide, Total	SM	EET CHI
SM 5310C	Organic Carbon, Dissolved (DOC)	SM	EET CHI
SM 5310C	TOC	SM	EET CHI
1630	Distillation, Methyl Mercury	EPA	EET SSM
1638	Preparation, Total Recoverable Metals	EPA	EET SSM
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET CHI
365.2/365.3/365	Phosphorus, Total	EPA	EET CHI
Distill/Ammonia	Distillation, Ammonia	None	EET CHI
Distill/CN	Distillation, Cyanide	None	EET CHI

Protocol References:

EPA = US Environmental Protection Agency

None = None

SM = "Standard Methods For The Examination Of Water And Wastewater"

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET CHI = Eurofins Chicago, 18410 Crossing Drive, Suite E, Tinley Park, IL 60487, TEL (708)534-5200

EET SSM = Eurofins Seattle Specialty Metals, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

Sample Summary

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264885-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-264885-1	PTC-01_20250306	Water	03/06/25 10:30	03/07/25 09:10
500-264885-2	PTC-01_20250306_FBLL	Water	03/06/25 10:30	03/07/25 09:10
500-264885-3	ARC-03_20250306	Water	03/06/25 12:00	03/07/25 09:10
500-264885-4	ARC-03_20250306_FBLL	Water	03/06/25 12:00	03/07/25 09:10
500-264885-5	PNC-04_20250304	Water	03/04/25 11:30	03/07/25 09:10
500-264885-6	PNC-04_20250304_FBLL	Water	03/04/25 11:30	03/07/25 09:10
500-264885-7	PRC-01_20250304	Water	03/04/25 17:00	03/07/25 09:10
500-264885-8	PRC-01_20250304_FBLL	Water	03/04/25 17:00	03/07/25 09:10
500-264885-9	SMW-35B_20250306	Water	03/06/25 10:30	03/07/25 09:10
500-264885-10	SMW-35B_20250306_FBLL	Water	03/06/25 10:30	03/07/25 09:10
500-264885-11	SMW-3_20250306	Water	03/06/25 11:45	03/07/25 09:10
500-264885-12	SMW-3_20250306_FBLL	Water	03/06/25 11:45	03/07/25 09:10
500-264885-13	CBR-02_20250304	Water	03/04/25 13:00	03/07/25 09:10
500-264885-14	CBR-02_20250304_FBLL	Water	03/04/25 13:00	03/07/25 09:10
500-264885-15	LKS-01_20250304	Water	03/04/25 15:00	03/07/25 09:10
500-264885-16	LKS-01_20250304_FBLL	Water	03/04/25 15:00	03/07/25 09:10
500-264885-17	MW-37_20250304	Water	03/04/25 13:25	03/07/25 09:10
500-264885-18	MW-37_20250304_FBLL	Water	03/04/25 13:25	03/07/25 09:10
500-264885-19	FB-02_20250304_FBLL	Water	03/04/25 19:00	03/07/25 09:10
500-264885-20	MW-42_20250304	Water	03/04/25 11:00	03/07/25 09:10
500-264885-21	MW-42_20250304_FBLL	Water	03/04/25 11:00	03/07/25 09:10
500-264885-22	MW-41_202503004	Water	03/04/25 15:15	03/07/25 09:10
500-264885-23	MW-41_202503004_FBLL	Water	03/04/25 15:15	03/07/25 09:10
500-264885-24	MW-38_20250304	Water	03/04/25 09:40	03/07/25 09:10
500-264885-25	MW-38_20250304_FBLL	Water	03/04/25 09:40	03/07/25 09:10

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264885-1

Client Sample ID: PTC-01_20250306

Lab Sample ID: 500-264885-1

Date Collected: 03/06/25 10:30

Matrix: Water

Date Received: 03/07/25 09:10

Method: EPA 1630 - Methyl Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	**0.024**	**J**	0.050	0.022	ng/L		03/27/25 12:42	03/27/25 21:41	1

Method: EPA 1630 - Methyl Mercury - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	**0.028**	**J**	0.050	0.022	ng/L		03/27/25 12:42	03/27/25 21:51	1

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**2.0**		0.50	0.20	ng/L			03/26/25 20:25	1

Method: EPA 1631E - Mercury, Low Level (CVAFS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**1.5**		0.50	0.20	ng/L			03/26/25 20:29	1

Method: EPA 1638 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.16**		0.050	0.0098	ug/L		03/14/25 11:45	03/15/25 03:29	1

Method: EPA 1638 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.18**		0.050	0.0098	ug/L		03/14/25 11:45	03/15/25 02:15	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**87**	**J**	100	25	ug/L		03/11/25 17:43	03/18/25 13:13	1
Antimony	<1.3		3.0	1.3	ug/L		03/11/25 17:43	03/18/25 13:13	1
Arsenic	**0.24**	**J**	1.0	0.23	ug/L		03/11/25 17:43	03/18/25 13:13	1
Barium	**62**		2.5	0.73	ug/L		03/11/25 17:43	03/18/25 13:13	1
Beryllium	<0.53		1.0	0.53	ug/L		03/11/25 17:43	03/18/25 13:13	1
Boron	**27**	**J**	50	13	ug/L		03/11/25 17:43	03/18/25 13:13	1
Cadmium	<0.17		0.50	0.17	ug/L		03/11/25 17:43	03/18/25 13:13	1
Calcium	**23000**		200	44	ug/L		03/11/25 17:43	03/18/25 13:13	1
Chromium	<1.1		5.0	1.1	ug/L		03/11/25 17:43	03/18/25 13:13	1
Cobalt	<0.40		1.0	0.40	ug/L		03/11/25 17:43	03/18/25 13:13	1
Copper	**5.9**		2.0	0.50	ug/L		03/11/25 17:43	03/18/25 13:13	1
Iron	**370**		100	47	ug/L		03/11/25 17:43	03/18/25 13:13	1
Lead	**0.94**		0.50	0.19	ug/L		03/11/25 17:43	03/18/25 13:13	1
Lithium	<2.5		10	2.5	ug/L		03/11/25 17:43	03/18/25 13:13	1
Magnesium	**5200**		200	49	ug/L		03/11/25 17:43	03/18/25 13:13	1
Manganese	**12**		2.5	0.79	ug/L		03/11/25 17:43	03/18/25 13:13	1
Molybdenum	<2.5		5.0	2.5	ug/L		03/11/25 17:43	03/18/25 13:13	1
Nickel	<0.63		2.0	0.63	ug/L		03/11/25 17:43	03/18/25 13:13	1
Potassium	**1100**		500	110	ug/L		03/11/25 17:43	03/18/25 13:13	1
Selenium	<0.98		2.5	0.98	ug/L		03/11/25 17:43	03/18/25 13:13	1
Silver	<0.12		0.50	0.12	ug/L		03/11/25 17:43	03/18/25 13:13	1
Sodium	**6200**	**B**	200	77	ug/L		03/11/25 17:43	03/18/25 13:13	1
Strontium	**130**		4.0	0.64	ug/L		03/11/25 17:43	03/18/25 13:13	1
Thallium	<0.57		2.0	0.57	ug/L		03/11/25 17:43	03/18/25 13:13	1
Tin	<1.3		5.0	1.3	ug/L		03/11/25 17:43	03/18/25 13:13	1
Vanadium	<2.2		5.0	2.2	ug/L		03/11/25 17:43	03/18/25 13:13	1
Zinc	<6.9		20	6.9	ug/L		03/11/25 17:43	03/18/25 13:13	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264885-1

Client Sample ID: PTC-01_20250306

Date Collected: 03/06/25 10:30
Date Received: 03/07/25 09:10

Lab Sample ID: 500-264885-1

Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**26**	**J**	100	25	ug/L		03/11/25 17:43	03/18/25 13:15	1
Antimony	<1.3		3.0	1.3	ug/L		03/11/25 17:43	03/18/25 13:15	1
Arsenic	**0.23**	**J**	1.0	0.23	ug/L		03/11/25 17:43	03/18/25 13:15	1
Barium	**64**		2.5	0.73	ug/L		03/11/25 17:43	03/18/25 13:15	1
Beryllium	<0.53		1.0	0.53	ug/L		03/11/25 17:43	03/18/25 13:15	1
Boron	**29**	**J**	50	13	ug/L		03/11/25 17:43	03/18/25 13:15	1
Cadmium	<0.17		0.50	0.17	ug/L		03/11/25 17:43	03/18/25 13:15	1
Calcium	**25000**		200	44	ug/L		03/11/25 17:43	03/18/25 13:15	1
Chromium	<1.1		5.0	1.1	ug/L		03/11/25 17:43	03/18/25 13:15	1
Cobalt	<0.40		1.0	0.40	ug/L		03/11/25 17:43	03/18/25 13:15	1
Copper	**5.4**		2.0	0.50	ug/L		03/11/25 17:43	03/18/25 13:15	1
Iron	**200**		100	47	ug/L		03/11/25 17:43	03/18/25 13:15	1
Lead	**0.32**	**J**	0.50	0.19	ug/L		03/11/25 17:43	03/18/25 13:15	1
Lithium	<2.5		10	2.5	ug/L		03/11/25 17:43	03/18/25 13:15	1
Magnesium	**5500**		200	49	ug/L		03/11/25 17:43	03/18/25 13:15	1
Manganese	**5.4**		2.5	0.79	ug/L		03/11/25 17:43	03/18/25 13:15	1
Molybdenum	<2.5		5.0	2.5	ug/L		03/11/25 17:43	03/18/25 13:15	1
Nickel	<0.63		2.0	0.63	ug/L		03/11/25 17:43	03/18/25 13:15	1
Potassium	**1100**		500	110	ug/L		03/11/25 17:43	03/18/25 13:15	1
Selenium	<0.98		2.5	0.98	ug/L		03/11/25 17:43	03/18/25 13:15	1
Silver	<0.12		0.50	0.12	ug/L		03/11/25 17:43	03/18/25 13:15	1
Sodium	**6600**	**B**	200	77	ug/L		03/11/25 17:43	03/18/25 13:15	1
Strontium	**140**		4.0	0.64	ug/L		03/11/25 17:43	03/18/25 13:15	1
Thallium	<0.57		2.0	0.57	ug/L		03/11/25 17:43	03/18/25 13:15	1
Tin	<1.3		5.0	1.3	ug/L		03/11/25 17:43	03/18/25 13:15	1
Vanadium	<2.2		5.0	2.2	ug/L		03/11/25 17:43	03/18/25 13:15	1
Zinc	<6.9		20	6.9	ug/L		03/11/25 17:43	03/18/25 13:15	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**80**		0.91	0.46	mg/L		03/11/25 17:43	03/19/25 10:54	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	<0.45		1.0	0.45	mg/L			03/07/25 15:14	1
Nitrate as N (EPA 300.0)	**2.2**	**F1**	1.0	0.37	mg/L			03/07/25 15:14	1
Chloride (EPA 300.0)	**17**		1.0	0.42	mg/L			03/07/25 15:14	1
Nitrite as N (EPA 300.0)	<0.25		1.0	0.25	mg/L			03/07/25 15:14	1
Fluoride (EPA 300.0)	<0.43		1.0	0.43	mg/L			03/07/25 15:14	1
Nitrate Nitrite as N (EPA 300.0)	**2.2**	**F1**	1.0	0.37	mg/L			03/07/25 15:14	1
Sulfate (EPA 300.0)	**2.4**		1.0	0.47	mg/L			03/07/25 15:14	1
Cyanide, Total (EPA 335.4)	<0.0036		0.0050	0.0036	mg/L		03/09/25 11:21	03/09/25 12:56	1
Ammonia (EPA 350.1)	<0.10		0.20	0.10	mg/L		03/21/25 12:37	03/21/25 17:31	1
Phosphorus as P (EPA 365.1)	**0.077**		0.050	0.024	mg/L		03/11/25 07:30	03/13/25 11:27	1
Alkalinity (SM 2320B)	**66**		5.0	3.7	mg/L			03/17/25 09:59	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**66**		5.0	3.7	mg/L			03/17/25 09:59	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<3.7		5.0	3.7	mg/L			03/17/25 09:59	1
Salinity (SM 2520B)	<0.33		0.33	0.33	psu			03/26/25 09:02	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264885-1

Client Sample ID: PTC-01_20250306
Date Collected: 03/06/25 10:30
Date Received: 03/07/25 09:10

Lab Sample ID: 500-264885-1
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	180		10	4.3	mg/L			03/11/25 00:27	1
Total Suspended Solids (SM 2540D)	2.8	J	5.0	1.9	mg/L			03/12/25 18:06	1
Sulfide (SM 4500 S2 F)	<0.23		1.0	0.23	mg/L			03/10/25 23:04	1
Total Organic Carbon (SM 5310C)	6.1		1.0	0.47	mg/L			03/19/25 16:39	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon (SM 5310C)	6.7		1.0	0.47	mg/L			03/20/25 00:43	1

Client Sample Results

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264885-1

Client Sample ID: PTC-01_20250306_FBLL
Date Collected: 03/06/25 10:30
Date Received: 03/07/25 09:10

Lab Sample ID: 500-264885-2
Matrix: Water

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			03/26/25 20:33	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264885-1

Client Sample ID: ARC-03_20250306

Date Collected: 03/06/25 12:00
Date Received: 03/07/25 09:10

Lab Sample ID: 500-264885-3

Matrix: Water

Method: EPA 1630 - Methyl Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	**0.040**	**J**	0.050	0.022	ng/L		03/27/25 12:42	03/27/25 22:01	1

Method: EPA 1630 - Methyl Mercury - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	**0.042**	**J**	0.050	0.022	ng/L		03/27/25 12:42	03/27/25 22:11	1

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**5.9**		0.50	0.20	ng/L			03/26/25 22:00	1

Method: EPA 1631E - Mercury, Low Level (CVAFS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**4.4**		0.50	0.20	ng/L			03/26/25 22:04	1

Method: EPA 1638 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.14**		0.050	0.0098	ug/L		03/14/25 11:45	03/15/25 03:32	1

Method: EPA 1638 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.11**		0.050	0.0098	ug/L		03/14/25 11:45	03/15/25 02:43	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**550**		100	25	ug/L		03/11/25 17:43	03/18/25 13:17	1
Antimony	<1.3		3.0	1.3	ug/L		03/11/25 17:43	03/18/25 13:17	1
Arsenic	**0.28**	**J**	1.0	0.23	ug/L		03/11/25 17:43	03/18/25 13:17	1
Barium	**26**		2.5	0.73	ug/L		03/11/25 17:43	03/18/25 13:17	1
Beryllium	<0.53		1.0	0.53	ug/L		03/11/25 17:43	03/18/25 13:17	1
Boron	<13		50	13	ug/L		03/11/25 17:43	03/18/25 13:17	1
Cadmium	<0.17		0.50	0.17	ug/L		03/11/25 17:43	03/18/25 13:17	1
Calcium	**9200**		200	44	ug/L		03/11/25 17:43	03/18/25 13:17	1
Chromium	<1.1		5.0	1.1	ug/L		03/11/25 17:43	03/18/25 13:17	1
Cobalt	<0.40		1.0	0.40	ug/L		03/11/25 17:43	03/18/25 13:17	1
Copper	**9.5**		2.0	0.50	ug/L		03/11/25 17:43	03/18/25 13:17	1
Iron	**490**		100	47	ug/L		03/11/25 17:43	03/18/25 13:17	1
Lead	**0.31**	**J**	0.50	0.19	ug/L		03/11/25 17:43	03/18/25 13:17	1
Lithium	<2.5		10	2.5	ug/L		03/11/25 17:43	03/18/25 13:17	1
Magnesium	**2100**		200	49	ug/L		03/11/25 17:43	03/18/25 13:17	1
Manganese	**10**		2.5	0.79	ug/L		03/11/25 17:43	03/18/25 13:17	1
Molybdenum	<2.5		5.0	2.5	ug/L		03/11/25 17:43	03/18/25 13:17	1
Nickel	<0.63		2.0	0.63	ug/L		03/11/25 17:43	03/18/25 13:17	1
Potassium	**810**		500	110	ug/L		03/11/25 17:43	03/18/25 13:17	1
Selenium	<0.98		2.5	0.98	ug/L		03/11/25 17:43	03/18/25 13:17	1
Silver	<0.12		0.50	0.12	ug/L		03/11/25 17:43	03/18/25 13:17	1
Sodium	**1800**	**B**	200	77	ug/L		03/11/25 17:43	03/18/25 13:17	1
Strontium	**36**		4.0	0.64	ug/L		03/11/25 17:43	03/18/25 13:17	1
Thallium	<0.57		2.0	0.57	ug/L		03/11/25 17:43	03/18/25 13:17	1
Tin	<1.3		5.0	1.3	ug/L		03/11/25 17:43	03/18/25 13:17	1
Vanadium	<2.2		5.0	2.2	ug/L		03/11/25 17:43	03/18/25 13:17	1
Zinc	<6.9		20	6.9	ug/L		03/11/25 17:43	03/18/25 13:17	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264885-1

Client Sample ID: ARC-03_20250306

Date Collected: 03/06/25 12:00
Date Received: 03/07/25 09:10

Lab Sample ID: 500-264885-3

Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**120**		100	25	ug/L		03/11/25 17:43	03/18/25 13:20	1
Antimony	<1.3		3.0	1.3	ug/L		03/11/25 17:43	03/18/25 13:20	1
Arsenic	<0.23		1.0	0.23	ug/L		03/11/25 17:43	03/18/25 13:20	1
Barium	**21**		2.5	0.73	ug/L		03/11/25 17:43	03/18/25 13:20	1
Beryllium	<0.53		1.0	0.53	ug/L		03/11/25 17:43	03/18/25 13:20	1
Boron	<13		50	13	ug/L		03/11/25 17:43	03/18/25 13:20	1
Cadmium	<0.17		0.50	0.17	ug/L		03/11/25 17:43	03/18/25 13:20	1
Calcium	**8900**		200	44	ug/L		03/11/25 17:43	03/18/25 13:20	1
Chromium	<1.1		5.0	1.1	ug/L		03/11/25 17:43	03/18/25 13:20	1
Cobalt	<0.40		1.0	0.40	ug/L		03/11/25 17:43	03/18/25 13:20	1
Copper	**7.6**		2.0	0.50	ug/L		03/11/25 17:43	03/18/25 13:20	1
Iron	**160**		100	47	ug/L		03/11/25 17:43	03/18/25 13:20	1
Lead	<0.19		0.50	0.19	ug/L		03/11/25 17:43	03/18/25 13:20	1
Lithium	<2.5		10	2.5	ug/L		03/11/25 17:43	03/18/25 13:20	1
Magnesium	**2000**		200	49	ug/L		03/11/25 17:43	03/18/25 13:20	1
Manganese	**5.2**		2.5	0.79	ug/L		03/11/25 17:43	03/18/25 13:20	1
Molybdenum	<2.5		5.0	2.5	ug/L		03/11/25 17:43	03/18/25 13:20	1
Nickel	<0.63		2.0	0.63	ug/L		03/11/25 17:43	03/18/25 13:20	1
Potassium	**750**		500	110	ug/L		03/11/25 17:43	03/18/25 13:20	1
Selenium	<0.98		2.5	0.98	ug/L		03/11/25 17:43	03/18/25 13:20	1
Silver	<0.12		0.50	0.12	ug/L		03/11/25 17:43	03/18/25 13:20	1
Sodium	**1700**	**B**	200	77	ug/L		03/11/25 17:43	03/18/25 13:20	1
Strontium	**34**		4.0	0.64	ug/L		03/11/25 17:43	03/18/25 13:20	1
Thallium	<0.57		2.0	0.57	ug/L		03/11/25 17:43	03/18/25 13:20	1
Tin	<1.3		5.0	1.3	ug/L		03/11/25 17:43	03/18/25 13:20	1
Vanadium	<2.2		5.0	2.2	ug/L		03/11/25 17:43	03/18/25 13:20	1
Zinc	<6.9		20	6.9	ug/L		03/11/25 17:43	03/18/25 13:20	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**32**		0.91	0.46	mg/L		03/11/25 17:43	03/19/25 10:54	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	<0.45		1.0	0.45	mg/L			03/07/25 16:00	1
Nitrate as N (EPA 300.0)	**1.2**		1.0	0.37	mg/L			03/07/25 16:00	1
Chloride (EPA 300.0)	**1.7**		1.0	0.42	mg/L			03/07/25 16:00	1
Nitrite as N (EPA 300.0)	<0.25		1.0	0.25	mg/L			03/07/25 16:00	1
Fluoride (EPA 300.0)	<0.43		1.0	0.43	mg/L			03/07/25 16:00	1
Nitrate Nitrite as N (EPA 300.0)	**1.2**		1.0	0.37	mg/L			03/07/25 16:00	1
Sulfate (EPA 300.0)	**1.8**		1.0	0.47	mg/L			03/07/25 16:00	1
Cyanide, Total (EPA 335.4)	<0.0036		0.0050	0.0036	mg/L		03/09/25 11:21	03/09/25 12:56	1
Ammonia (EPA 350.1)	<0.10		0.20	0.10	mg/L		03/21/25 12:37	03/21/25 17:31	1
Phosphorus as P (EPA 365.1)	**0.033**	**J**	0.050	0.024	mg/L		03/11/25 07:30	03/13/25 11:28	1
Alkalinity (SM 2320B)	**28**		5.0	3.7	mg/L			03/17/25 10:08	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**28**		5.0	3.7	mg/L			03/17/25 10:08	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<3.7		5.0	3.7	mg/L			03/17/25 10:08	1
Salinity (SM 2520B)	<0.33		0.33	0.33	psu			03/26/25 09:02	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264885-1

Client Sample ID: ARC-03_20250306
Date Collected: 03/06/25 12:00
Date Received: 03/07/25 09:10

Lab Sample ID: 500-264885-3
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**60**		10	4.3	mg/L			03/11/25 00:30	1
Total Suspended Solids (SM 2540D)	<1.9		5.0	1.9	mg/L			03/12/25 19:06	1
Sulfide (SM 4500 S2 F)	**0.32**	**J**	1.0	0.23	mg/L			03/10/25 23:07	1
Total Organic Carbon (SM 5310C)	**7.9**		1.0	0.47	mg/L			03/19/25 18:15	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon (SM 5310C)	**8.4**		1.0	0.47	mg/L			03/20/25 01:15	1

Client Sample Results

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264885-1

Client Sample ID: ARC-03_20250306_FBLL
Date Collected: 03/06/25 12:00
Date Received: 03/07/25 09:10

Lab Sample ID: 500-264885-4
Matrix: Water

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			03/26/25 22:08	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264885-1

Client Sample ID: PNC-04_20250304

Date Collected: 03/04/25 11:30
Date Received: 03/07/25 09:10

Lab Sample ID: 500-264885-5

Matrix: Water

Method: EPA 1630 - Methyl Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	**0.040**	**J**	0.050	0.022	ng/L		03/27/25 12:42	03/27/25 22:22	1

Method: EPA 1630 - Methyl Mercury - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	**0.024**	**J**	0.050	0.022	ng/L		03/27/25 12:42	03/27/25 22:32	1

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**2.8**		0.50	0.20	ng/L			03/26/25 22:12	1

Method: EPA 1631E - Mercury, Low Level (CVAFS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**2.0**		0.50	0.20	ng/L			03/26/25 22:17	1

Method: EPA 1638 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.17**		0.050	0.0098	ug/L		03/14/25 11:45	03/15/25 03:36	1

Method: EPA 1638 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.16**		0.050	0.0098	ug/L		03/14/25 11:45	03/15/25 02:47	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**190**		100	25	ug/L		03/11/25 17:43	03/18/25 13:22	1
Antimony	<1.3		3.0	1.3	ug/L		03/11/25 17:43	03/18/25 13:22	1
Arsenic	**0.30**	**J**	1.0	0.23	ug/L		03/11/25 17:43	03/18/25 13:22	1
Barium	**39**		2.5	0.73	ug/L		03/11/25 17:43	03/18/25 13:22	1
Beryllium	<0.53		1.0	0.53	ug/L		03/11/25 17:43	03/18/25 13:22	1
Boron	<13		50	13	ug/L		03/11/25 17:43	03/18/25 13:22	1
Cadmium	<0.17		0.50	0.17	ug/L		03/11/25 17:43	03/18/25 13:22	1
Calcium	**21000**		200	44	ug/L		03/11/25 17:43	03/18/25 13:22	1
Chromium	<1.1		5.0	1.1	ug/L		03/11/25 17:43	03/18/25 13:22	1
Cobalt	<0.40		1.0	0.40	ug/L		03/11/25 17:43	03/18/25 13:22	1
Copper	**12**		2.0	0.50	ug/L		03/11/25 17:43	03/18/25 13:22	1
Iron	**770**		100	47	ug/L		03/11/25 17:43	03/18/25 13:22	1
Lead	<0.19		0.50	0.19	ug/L		03/11/25 17:43	03/18/25 13:22	1
Lithium	<2.5		10	2.5	ug/L		03/11/25 17:43	03/18/25 13:22	1
Magnesium	**4800**		200	49	ug/L		03/11/25 17:43	03/18/25 13:22	1
Manganese	**40**		2.5	0.79	ug/L		03/11/25 17:43	03/18/25 13:22	1
Molybdenum	<2.5		5.0	2.5	ug/L		03/11/25 17:43	03/18/25 13:22	1
Nickel	<0.63		2.0	0.63	ug/L		03/11/25 17:43	03/18/25 13:22	1
Potassium	**990**		500	110	ug/L		03/11/25 17:43	03/18/25 13:22	1
Selenium	<0.98		2.5	0.98	ug/L		03/11/25 17:43	03/18/25 13:22	1
Silver	<0.12		0.50	0.12	ug/L		03/11/25 17:43	03/18/25 13:22	1
Sodium	**3700**	**B**	200	77	ug/L		03/11/25 17:43	03/18/25 13:22	1
Strontium	**99**		4.0	0.64	ug/L		03/11/25 17:43	03/18/25 13:22	1
Thallium	<0.57		2.0	0.57	ug/L		03/11/25 17:43	03/18/25 13:22	1
Tin	<1.3		5.0	1.3	ug/L		03/11/25 17:43	03/18/25 13:22	1
Vanadium	<2.2		5.0	2.2	ug/L		03/11/25 17:43	03/18/25 13:22	1
Zinc	<6.9		20	6.9	ug/L		03/11/25 17:43	03/18/25 13:22	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264885-1

Client Sample ID: PNC-04_20250304

Date Collected: 03/04/25 11:30
Date Received: 03/07/25 09:10

Lab Sample ID: 500-264885-5

Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**45**	**J**	100	25	ug/L		03/11/25 17:43	03/18/25 13:25	1
Antimony	<1.3		3.0	1.3	ug/L		03/11/25 17:43	03/18/25 13:25	1
Arsenic	**0.27**	**J**	1.0	0.23	ug/L		03/11/25 17:43	03/18/25 13:25	1
Barium	**37**		2.5	0.73	ug/L		03/11/25 17:43	03/18/25 13:25	1
Beryllium	<0.53		1.0	0.53	ug/L		03/11/25 17:43	03/18/25 13:25	1
Boron	<13		50	13	ug/L		03/11/25 17:43	03/18/25 13:25	1
Cadmium	<0.17		0.50	0.17	ug/L		03/11/25 17:43	03/18/25 13:25	1
Calcium	**22000**		200	44	ug/L		03/11/25 17:43	03/18/25 13:25	1
Chromium	<1.1		5.0	1.1	ug/L		03/11/25 17:43	03/18/25 13:25	1
Cobalt	<0.40		1.0	0.40	ug/L		03/11/25 17:43	03/18/25 13:25	1
Copper	**10**		2.0	0.50	ug/L		03/11/25 17:43	03/18/25 13:25	1
Iron	**490**		100	47	ug/L		03/11/25 17:43	03/18/25 13:25	1
Lead	**0.19**	**J**	0.50	0.19	ug/L		03/11/25 17:43	03/18/25 13:25	1
Lithium	<2.5		10	2.5	ug/L		03/11/25 17:43	03/18/25 13:25	1
Magnesium	**5000**		200	49	ug/L		03/11/25 17:43	03/18/25 13:25	1
Manganese	**32**		2.5	0.79	ug/L		03/11/25 17:43	03/18/25 13:25	1
Molybdenum	<2.5		5.0	2.5	ug/L		03/11/25 17:43	03/18/25 13:25	1
Nickel	<0.63		2.0	0.63	ug/L		03/11/25 17:43	03/18/25 13:25	1
Potassium	**1000**		500	110	ug/L		03/11/25 17:43	03/18/25 13:25	1
Selenium	<0.98		2.5	0.98	ug/L		03/11/25 17:43	03/18/25 13:25	1
Silver	<0.12		0.50	0.12	ug/L		03/11/25 17:43	03/18/25 13:25	1
Sodium	**3800**	**B**	200	77	ug/L		03/11/25 17:43	03/18/25 13:25	1
Strontium	**100**		4.0	0.64	ug/L		03/11/25 17:43	03/18/25 13:25	1
Thallium	<0.57		2.0	0.57	ug/L		03/11/25 17:43	03/18/25 13:25	1
Tin	<1.3		5.0	1.3	ug/L		03/11/25 17:43	03/18/25 13:25	1
Vanadium	<2.2		5.0	2.2	ug/L		03/11/25 17:43	03/18/25 13:25	1
Zinc	<6.9		20	6.9	ug/L		03/11/25 17:43	03/18/25 13:25	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**72**		0.91	0.46	mg/L		03/11/25 17:43	03/19/25 10:54	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	<0.45		1.0	0.45	mg/L			03/07/25 16:15	1
Nitrate as N (EPA 300.0)	**2.0**	**H3**	1.0	0.37	mg/L			03/07/25 16:15	1
Chloride (EPA 300.0)	**13**		1.0	0.42	mg/L			03/07/25 16:15	1
Nitrite as N (EPA 300.0)	<0.25	H3	1.0	0.25	mg/L			03/07/25 16:15	1
Fluoride (EPA 300.0)	<0.43		1.0	0.43	mg/L			03/07/25 16:15	1
Nitrate Nitrite as N (EPA 300.0)	**2.0**	**H3**	1.0	0.37	mg/L			03/07/25 16:15	1
Sulfate (EPA 300.0)	**1.8**		1.0	0.47	mg/L			03/07/25 16:15	1
Cyanide, Total (EPA 335.4)	<0.0036		0.0050	0.0036	mg/L		03/09/25 11:21	03/09/25 12:56	1
Ammonia (EPA 350.1)	<0.10		0.20	0.10	mg/L		03/21/25 12:37	03/21/25 17:31	1
Phosphorus as P (EPA 365.1)	<0.024		0.050	0.024	mg/L		03/11/25 07:30	03/13/25 11:29	1
Alkalinity (SM 2320B)	**63**	**B**	5.0	3.7	mg/L			03/16/25 11:11	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**63**	**B**	5.0	3.7	mg/L			03/16/25 11:11	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<3.7		5.0	3.7	mg/L			03/16/25 11:11	1
Salinity (SM 2520B)	<0.33		0.33	0.33	psu			03/26/25 09:02	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264885-1

Client Sample ID: PNC-04_20250304
Date Collected: 03/04/25 11:30
Date Received: 03/07/25 09:10

Lab Sample ID: 500-264885-5
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	98		10	4.3	mg/L			03/11/25 00:32	1
Total Suspended Solids (SM 2540D)	3.8	J	5.0	1.9	mg/L			03/11/25 09:46	1
Sulfide (SM 4500 S2 F)	<0.23		1.0	0.23	mg/L			03/10/25 04:23	1
Total Organic Carbon (SM 5310C)	8.0		1.0	0.47	mg/L			03/19/25 18:48	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon (SM 5310C)	8.4		1.0	0.47	mg/L			03/20/25 01:47	1

Client Sample Results

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264885-1

Client Sample ID: PNC-04_20250304_FBLL
Date Collected: 03/04/25 11:30
Date Received: 03/07/25 09:10

Lab Sample ID: 500-264885-6
Matrix: Water

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			03/26/25 22:21	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264885-1

Client Sample ID: PRC-01_20250304

Date Collected: 03/04/25 17:00
Date Received: 03/07/25 09:10

Lab Sample ID: 500-264885-7

Matrix: Water

Method: EPA 1630 - Methyl Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		03/27/25 12:42	03/27/25 22:42	1

Method: EPA 1630 - Methyl Mercury - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		03/27/25 12:42	03/27/25 22:52	1

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.37**	**J**	0.50	0.20	ng/L			03/28/25 14:38	1

Method: EPA 1631E - Mercury, Low Level (CVAFS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.24**	**J**	0.50	0.20	ng/L			03/28/25 15:11	1

Method: EPA 1638 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.89**		0.050	0.0098	ug/L		03/14/25 11:45	03/15/25 03:39	1

Method: EPA 1638 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.92**		0.050	0.0098	ug/L		03/14/25 11:45	03/15/25 02:50	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**25**	**J**	100	25	ug/L		03/11/25 17:43	03/18/25 13:32	1
Antimony	<1.3		3.0	1.3	ug/L		03/11/25 17:43	03/18/25 13:32	1
Arsenic	**0.56**	**J**	1.0	0.23	ug/L		03/11/25 17:43	03/18/25 13:32	1
Barium	**180**		2.5	0.73	ug/L		03/11/25 17:43	03/18/25 13:32	1
Beryllium	<0.53		1.0	0.53	ug/L		03/11/25 17:43	03/18/25 13:32	1
Boron	**170**		50	13	ug/L		03/11/25 17:43	03/18/25 13:32	1
Cadmium	<0.17		0.50	0.17	ug/L		03/11/25 17:43	03/18/25 13:32	1
Calcium	**89000**		200	44	ug/L		03/11/25 17:43	03/18/25 13:32	1
Chromium	<1.1		5.0	1.1	ug/L		03/11/25 17:43	03/18/25 13:32	1
Cobalt	<0.40		1.0	0.40	ug/L		03/11/25 17:43	03/18/25 13:32	1
Copper	**36**		2.0	0.50	ug/L		03/11/25 17:43	03/18/25 13:32	1
Iron	**110**		100	47	ug/L		03/11/25 17:43	03/18/25 13:32	1
Lead	<0.19		0.50	0.19	ug/L		03/11/25 17:43	03/18/25 13:32	1
Lithium	**29**		10	2.5	ug/L		03/11/25 17:43	03/18/25 13:32	1
Magnesium	**13000**		200	49	ug/L		03/11/25 17:43	03/18/25 13:32	1
Manganese	**250**		2.5	0.79	ug/L		03/11/25 17:43	03/18/25 13:32	1
Molybdenum	**40**		5.0	2.5	ug/L		03/11/25 17:43	03/18/25 13:32	1
Nickel	<0.63		2.0	0.63	ug/L		03/11/25 17:43	03/18/25 13:32	1
Potassium	**5400**		500	110	ug/L		03/11/25 17:43	03/18/25 13:32	1
Selenium	**1.0**	**J**	2.5	0.98	ug/L		03/11/25 17:43	03/18/25 13:32	1
Silver	<0.12		0.50	0.12	ug/L		03/11/25 17:43	03/18/25 13:32	1
Sodium	**43000**	**B**	200	77	ug/L		03/11/25 17:43	03/18/25 13:32	1
Strontium	**850**		4.0	0.64	ug/L		03/11/25 17:43	03/18/25 13:32	1
Thallium	<0.57		2.0	0.57	ug/L		03/11/25 17:43	03/18/25 13:32	1
Tin	<1.3		5.0	1.3	ug/L		03/11/25 17:43	03/18/25 13:32	1
Vanadium	<2.2		5.0	2.2	ug/L		03/11/25 17:43	03/18/25 13:32	1
Zinc	<6.9		20	6.9	ug/L		03/11/25 17:43	03/18/25 13:32	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264885-1

Client Sample ID: PRC-01_20250304

Lab Sample ID: 500-264885-7

Date Collected: 03/04/25 17:00

Matrix: Water

Date Received: 03/07/25 09:10

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<25		100	25	ug/L		03/11/25 17:43	03/18/25 13:34	1
Antimony	<1.3		3.0	1.3	ug/L		03/11/25 17:43	03/18/25 13:34	1
Arsenic	**0.53**	**J**	1.0	0.23	ug/L		03/11/25 17:43	03/18/25 13:34	1
Barium	**180**		2.5	0.73	ug/L		03/11/25 17:43	03/18/25 13:34	1
Beryllium	<0.53		1.0	0.53	ug/L		03/11/25 17:43	03/18/25 13:34	1
Boron	**170**		50	13	ug/L		03/11/25 17:43	03/18/25 13:34	1
Cadmium	<0.17		0.50	0.17	ug/L		03/11/25 17:43	03/18/25 13:34	1
Calcium	**90000**		200	44	ug/L		03/11/25 17:43	03/18/25 13:34	1
Chromium	<1.1		5.0	1.1	ug/L		03/11/25 17:43	03/18/25 13:34	1
Cobalt	<0.40		1.0	0.40	ug/L		03/11/25 17:43	03/18/25 13:34	1
Copper	**30**		2.0	0.50	ug/L		03/11/25 17:43	03/18/25 13:34	1
Iron	<47		100	47	ug/L		03/11/25 17:43	03/18/25 13:34	1
Lead	<0.19		0.50	0.19	ug/L		03/11/25 17:43	03/18/25 13:34	1
Lithium	**28**		10	2.5	ug/L		03/11/25 17:43	03/18/25 13:34	1
Magnesium	**14000**		200	49	ug/L		03/11/25 17:43	03/18/25 13:34	1
Manganese	**260**		2.5	0.79	ug/L		03/11/25 17:43	03/18/25 13:34	1
Molybdenum	**41**		5.0	2.5	ug/L		03/11/25 17:43	03/18/25 13:34	1
Nickel	<0.63		2.0	0.63	ug/L		03/11/25 17:43	03/18/25 13:34	1
Potassium	**5600**		500	110	ug/L		03/11/25 17:43	03/18/25 13:34	1
Selenium	<0.98		2.5	0.98	ug/L		03/11/25 17:43	03/18/25 13:34	1
Silver	<0.12		0.50	0.12	ug/L		03/11/25 17:43	03/18/25 13:34	1
Sodium	**44000**	**B**	200	77	ug/L		03/11/25 17:43	03/18/25 13:34	1
Strontium	**860**		4.0	0.64	ug/L		03/11/25 17:43	03/18/25 13:34	1
Thallium	<0.57		2.0	0.57	ug/L		03/11/25 17:43	03/18/25 13:34	1
Tin	<1.3		5.0	1.3	ug/L		03/11/25 17:43	03/18/25 13:34	1
Vanadium	<2.2		5.0	2.2	ug/L		03/11/25 17:43	03/18/25 13:34	1
Zinc	<6.9		20	6.9	ug/L		03/11/25 17:43	03/18/25 13:34	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**280**		0.91	0.46	mg/L		03/11/25 17:43	03/19/25 10:54	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	<0.45		1.0	0.45	mg/L			03/07/25 16:31	1
Nitrate as N (EPA 300.0)	**3.7**	**H3**	1.0	0.37	mg/L			03/07/25 16:31	1
Chloride (EPA 300.0)	**130**		1.0	0.42	mg/L			03/07/25 16:31	1
Nitrite as N (EPA 300.0)	<0.25	H3	1.0	0.25	mg/L			03/07/25 16:31	1
Fluoride (EPA 300.0)	<0.43		1.0	0.43	mg/L			03/07/25 16:31	1
Nitrate Nitrite as N (EPA 300.0)	**3.7**	**H3**	1.0	0.37	mg/L			03/07/25 16:31	1
Sulfate (EPA 300.0)	**28**		1.0	0.47	mg/L			03/07/25 16:31	1
Cyanide, Total (EPA 335.4)	<0.0036		0.0050	0.0036	mg/L		03/09/25 11:21	03/09/25 12:59	1
Ammonia (EPA 350.1)	<0.10		0.20	0.10	mg/L		03/21/25 12:37	03/21/25 17:32	1
Phosphorus as P (EPA 365.1)	<0.024		0.050	0.024	mg/L		03/11/25 07:30	03/13/25 11:30	1
Alkalinity (SM 2320B)	**150**	**B**	5.0	3.7	mg/L			03/16/25 11:20	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**150**	**B**	5.0	3.7	mg/L			03/16/25 11:20	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<3.7		5.0	3.7	mg/L			03/16/25 11:20	1
Salinity (SM 2520B)	<0.33		0.33	0.33	psu			03/26/25 09:02	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264885-1

Client Sample ID: PRC-01_20250304
Date Collected: 03/04/25 17:00
Date Received: 03/07/25 09:10

Lab Sample ID: 500-264885-7
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**440**		10	4.3	mg/L			03/11/25 00:35	1
Total Suspended Solids (SM 2540D)	<1.9		5.0	1.9	mg/L			03/11/25 09:49	1
Sulfide (SM 4500 S2 F)	<0.23		1.0	0.23	mg/L			03/10/25 04:30	1
Total Organic Carbon (SM 5310C)	**4.8**		1.0	0.47	mg/L			03/19/25 19:20	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon (SM 5310C)	**4.8**		1.0	0.47	mg/L			03/20/25 02:19	1

Client Sample Results

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264885-1

Client Sample ID: PRC-01_20250304_FBLL
Date Collected: 03/04/25 17:00
Date Received: 03/07/25 09:10

Lab Sample ID: 500-264885-8
Matrix: Water

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.34	J	0.50	0.20	ng/L			03/28/25 14:42	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264885-1

Client Sample ID: SMW-35B_20250306

Date Collected: 03/06/25 10:30
Date Received: 03/07/25 09:10

Lab Sample ID: 500-264885-9

Matrix: Water

Method: EPA 1630 - Methyl Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	**0.026**	**J**	0.050	0.022	ng/L		03/27/25 12:42	03/27/25 20:40	1

Method: EPA 1630 - Methyl Mercury - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022	^+	0.050	0.022	ng/L		03/27/25 12:42	03/27/25 23:23	1

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.50**		0.50	0.20	ng/L			03/28/25 14:46	1

Method: EPA 1631E - Mercury, Low Level (CVAFS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.30**	**J**	0.50	0.20	ng/L			03/28/25 15:15	1

Method: EPA 1638 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.52**		0.050	0.0098	ug/L		03/14/25 11:45	03/15/25 03:43	1

Method: EPA 1638 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.51**		0.050	0.0098	ug/L		03/14/25 11:45	03/15/25 02:54	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**110**		100	25	ug/L		03/11/25 17:43	03/18/25 13:37	1
Antimony	<1.3		3.0	1.3	ug/L		03/11/25 17:43	03/18/25 13:37	1
Arsenic	**0.48**	**J**	1.0	0.23	ug/L		03/11/25 17:43	03/18/25 13:37	1
Barium	**6.0**		2.5	0.73	ug/L		03/11/25 17:43	03/18/25 13:37	1
Beryllium	<0.53		1.0	0.53	ug/L		03/11/25 17:43	03/18/25 13:37	1
Boron	**4700**		50	13	ug/L		03/11/25 17:43	03/18/25 13:37	1
Cadmium	<0.17		0.50	0.17	ug/L		03/11/25 17:43	03/18/25 13:37	1
Calcium	**3300**		200	44	ug/L		03/11/25 17:43	03/18/25 13:37	1
Chromium	**1.2**	**J**	5.0	1.1	ug/L		03/11/25 17:43	03/18/25 13:37	1
Cobalt	<0.40		1.0	0.40	ug/L		03/11/25 17:43	03/18/25 13:37	1
Copper	**3.7**		2.0	0.50	ug/L		03/11/25 17:43	03/18/25 13:37	1
Iron	**84**	**J**	100	47	ug/L		03/11/25 17:43	03/18/25 13:37	1
Lead	<0.19		0.50	0.19	ug/L		03/11/25 17:43	03/18/25 13:37	1
Lithium	**24**		10	2.5	ug/L		03/11/25 17:43	03/18/25 13:37	1
Magnesium	**380**		200	49	ug/L		03/11/25 17:43	03/18/25 13:37	1
Manganese	**6.1**		2.5	0.79	ug/L		03/11/25 17:43	03/18/25 13:37	1
Molybdenum	**9.7**		5.0	2.5	ug/L		03/11/25 17:43	03/18/25 13:37	1
Nickel	**6.8**		2.0	0.63	ug/L		03/11/25 17:43	03/18/25 13:37	1
Potassium	**1700**		500	110	ug/L		03/11/25 17:43	03/18/25 13:37	1
Selenium	<0.98		2.5	0.98	ug/L		03/11/25 17:43	03/18/25 13:37	1
Silver	<0.12		0.50	0.12	ug/L		03/11/25 17:43	03/18/25 13:37	1
Sodium	**110000**	**B**	200	77	ug/L		03/11/25 17:43	03/18/25 13:37	1
Strontium	**25**		4.0	0.64	ug/L		03/11/25 17:43	03/18/25 13:37	1
Thallium	<0.57		2.0	0.57	ug/L		03/11/25 17:43	03/18/25 13:37	1
Tin	<1.3		5.0	1.3	ug/L		03/11/25 17:43	03/18/25 13:37	1
Vanadium	**4.2**	**J**	5.0	2.2	ug/L		03/11/25 17:43	03/18/25 13:37	1
Zinc	<6.9		20	6.9	ug/L		03/11/25 17:43	03/18/25 13:37	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264885-1

Client Sample ID: SMW-35B_20250306

Lab Sample ID: 500-264885-9

Date Collected: 03/06/25 10:30

Matrix: Water

Date Received: 03/07/25 09:10

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**30**	**J**	100	25	ug/L		03/11/25 17:43	03/18/25 13:39	1
Antimony	<1.3		3.0	1.3	ug/L		03/11/25 17:43	03/18/25 13:39	1
Arsenic	**0.46**	**J**	1.0	0.23	ug/L		03/11/25 17:43	03/18/25 13:39	1
Barium	**5.2**		2.5	0.73	ug/L		03/11/25 17:43	03/18/25 13:39	1
Beryllium	<0.53		1.0	0.53	ug/L		03/11/25 17:43	03/18/25 13:39	1
Boron	**4800**		50	13	ug/L		03/11/25 17:43	03/18/25 13:39	1
Cadmium	<0.17		0.50	0.17	ug/L		03/11/25 17:43	03/18/25 13:39	1
Calcium	**3300**		200	44	ug/L		03/11/25 17:43	03/18/25 13:39	1
Chromium	<1.1		5.0	1.1	ug/L		03/11/25 17:43	03/18/25 13:39	1
Cobalt	<0.40		1.0	0.40	ug/L		03/11/25 17:43	03/18/25 13:39	1
Copper	<0.50		2.0	0.50	ug/L		03/11/25 17:43	03/18/25 13:39	1
Iron	<47		100	47	ug/L		03/11/25 17:43	03/18/25 13:39	1
Lead	<0.19		0.50	0.19	ug/L		03/11/25 17:43	03/18/25 13:39	1
Lithium	**23**		10	2.5	ug/L		03/11/25 17:43	03/18/25 13:39	1
Magnesium	**360**		200	49	ug/L		03/11/25 17:43	03/18/25 13:39	1
Manganese	**2.3**	**J**	2.5	0.79	ug/L		03/11/25 17:43	03/18/25 13:39	1
Molybdenum	**10**		5.0	2.5	ug/L		03/11/25 17:43	03/18/25 13:39	1
Nickel	<0.63		2.0	0.63	ug/L		03/11/25 17:43	03/18/25 13:39	1
Potassium	**1800**		500	110	ug/L		03/11/25 17:43	03/18/25 13:39	1
Selenium	<0.98		2.5	0.98	ug/L		03/11/25 17:43	03/18/25 13:39	1
Silver	<0.12		0.50	0.12	ug/L		03/11/25 17:43	03/18/25 13:39	1
Sodium	**110000**	**B**	200	77	ug/L		03/11/25 17:43	03/18/25 13:39	1
Strontium	**23**		4.0	0.64	ug/L		03/11/25 17:43	03/18/25 13:39	1
Thallium	<0.57		2.0	0.57	ug/L		03/11/25 17:43	03/18/25 13:39	1
Tin	<1.3		5.0	1.3	ug/L		03/11/25 17:43	03/18/25 13:39	1
Vanadium	**3.9**	**J**	5.0	2.2	ug/L		03/11/25 17:43	03/18/25 13:39	1
Zinc	<6.9		20	6.9	ug/L		03/11/25 17:43	03/18/25 13:39	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**9.8**		0.91	0.46	mg/L		03/11/25 17:43	03/19/25 10:54	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	<0.45		1.0	0.45	mg/L			03/07/25 16:46	1
Nitrate as N (EPA 300.0)	**2.7**		1.0	0.37	mg/L			03/07/25 16:46	1
Chloride (EPA 300.0)	**93**		1.0	0.42	mg/L			03/07/25 16:46	1
Nitrite as N (EPA 300.0)	<0.25		1.0	0.25	mg/L			03/07/25 16:46	1
Fluoride (EPA 300.0)	**1.6**		1.0	0.43	mg/L			03/07/25 16:46	1
Nitrate Nitrite as N (EPA 300.0)	**2.7**		1.0	0.37	mg/L			03/07/25 16:46	1
Sulfate (EPA 300.0)	**7.8**		1.0	0.47	mg/L			03/07/25 16:46	1
Cyanide, Total (EPA 335.4)	<0.0036		0.0050	0.0036	mg/L		03/09/25 11:21	03/09/25 13:00	1
Ammonia (EPA 350.1)	<0.10		0.20	0.10	mg/L		03/21/25 12:37	03/21/25 17:33	1
Phosphorus as P (EPA 365.1)	**0.056**		0.050	0.024	mg/L		03/11/25 07:30	03/13/25 11:31	1
Alkalinity (SM 2320B)	**100**		5.0	3.7	mg/L			03/17/25 10:16	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**79**		5.0	3.7	mg/L			03/17/25 10:16	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	**24**		5.0	3.7	mg/L			03/17/25 10:16	1
Salinity (SM 2520B)	<0.33		0.33	0.33	psu			03/26/25 09:02	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264885-1

Client Sample ID: SMW-35B_20250306
Date Collected: 03/06/25 10:30
Date Received: 03/07/25 09:10

Lab Sample ID: 500-264885-9
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	280		10	4.3	mg/L			03/11/25 00:37	1
Total Suspended Solids (SM 2540D)	2.4	J	5.0	1.9	mg/L			03/12/25 20:05	1
Sulfide (SM 4500 S2 F)	<0.23		1.0	0.23	mg/L			03/10/25 23:11	1
Total Organic Carbon (SM 5310C)	1.3		1.0	0.47	mg/L			03/19/25 19:52	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon (SM 5310C)	2.5		1.0	0.47	mg/L			03/20/25 02:51	1

Client Sample Results

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264885-1

Client Sample ID: SMW-35B_20250306_FBLL

Lab Sample ID: 500-264885-10

Date Collected: 03/06/25 10:30

Matrix: Water

Date Received: 03/07/25 09:10

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			03/28/25 14:50	1

Client Sample ID: SMW-3_20250306

Date Collected: 03/06/25 11:45
Date Received: 03/07/25 09:10

Lab Sample ID: 500-264885-11

Matrix: Water

Method: EPA 1630 - Methyl Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022	^+	0.050	0.022	ng/L		03/27/25 12:42	03/27/25 23:33	1

Method: EPA 1630 - Methyl Mercury - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022	^+	0.050	0.022	ng/L		03/27/25 12:42	03/27/25 23:43	1

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			03/28/25 14:54	1

Method: EPA 1631E - Mercury, Low Level (CVAFS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.30**	**J**	0.50	0.20	ng/L			03/28/25 15:27	1

Method: EPA 1638 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.041**	**J**	0.050	0.0098	ug/L		03/14/25 11:45	03/15/25 03:46	1

Method: EPA 1638 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.064**		0.050	0.0098	ug/L		03/14/25 11:45	03/15/25 02:26	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<25		100	25	ug/L		03/11/25 17:43	03/18/25 13:42	1
Antimony	<1.3		3.0	1.3	ug/L		03/11/25 17:43	03/18/25 13:42	1
Arsenic	**1.1**		1.0	0.23	ug/L		03/11/25 17:43	03/18/25 13:42	1
Barium	**32**		2.5	0.73	ug/L		03/11/25 17:43	03/18/25 13:42	1
Beryllium	<0.53		1.0	0.53	ug/L		03/11/25 17:43	03/18/25 13:42	1
Boron	**290**		50	13	ug/L		03/11/25 17:43	03/18/25 13:42	1
Cadmium	<0.17		0.50	0.17	ug/L		03/11/25 17:43	03/18/25 13:42	1
Calcium	**11000**		200	44	ug/L		03/11/25 17:43	03/18/25 13:42	1
Chromium	<1.1		5.0	1.1	ug/L		03/11/25 17:43	03/18/25 13:42	1
Cobalt	<0.40		1.0	0.40	ug/L		03/11/25 17:43	03/18/25 13:42	1
Copper	<0.50		2.0	0.50	ug/L		03/11/25 17:43	03/18/25 13:42	1
Iron	**47**	**J**	100	47	ug/L		03/11/25 17:43	03/18/25 13:42	1
Lead	<0.19		0.50	0.19	ug/L		03/11/25 17:43	03/18/25 13:42	1
Lithium	<2.5		10	2.5	ug/L		03/11/25 17:43	03/18/25 13:42	1
Magnesium	**1700**		200	49	ug/L		03/11/25 17:43	03/18/25 13:42	1
Manganese	**17**		2.5	0.79	ug/L		03/11/25 17:43	03/18/25 13:42	1
Molybdenum	**19**		5.0	2.5	ug/L		03/11/25 17:43	03/18/25 13:42	1
Nickel	<0.63		2.0	0.63	ug/L		03/11/25 17:43	03/18/25 13:42	1
Potassium	**900**		500	110	ug/L		03/11/25 17:43	03/18/25 13:42	1
Selenium	<0.98		2.5	0.98	ug/L		03/11/25 17:43	03/18/25 13:42	1
Silver	<0.12		0.50	0.12	ug/L		03/11/25 17:43	03/18/25 13:42	1
Sodium	**42000**	**B**	200	77	ug/L		03/11/25 17:43	03/18/25 13:42	1
Strontium	**120**		4.0	0.64	ug/L		03/11/25 17:43	03/18/25 13:42	1
Thallium	<0.57		2.0	0.57	ug/L		03/11/25 17:43	03/18/25 13:42	1
Tin	<1.3		5.0	1.3	ug/L		03/11/25 17:43	03/18/25 13:42	1
Vanadium	<2.2		5.0	2.2	ug/L		03/11/25 17:43	03/18/25 13:42	1
Zinc	<6.9		20	6.9	ug/L		03/11/25 17:43	03/18/25 13:42	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264885-1

Client Sample ID: SMW-3_20250306

Lab Sample ID: 500-264885-11

Date Collected: 03/06/25 11:45

Matrix: Water

Date Received: 03/07/25 09:10

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<25		100	25	ug/L		03/11/25 17:43	03/18/25 13:44	1
Antimony	<1.3		3.0	1.3	ug/L		03/11/25 17:43	03/18/25 13:44	1
Arsenic	**0.89**	**J**	1.0	0.23	ug/L		03/11/25 17:43	03/18/25 13:44	1
Barium	**30**		2.5	0.73	ug/L		03/11/25 17:43	03/18/25 13:44	1
Beryllium	<0.53		1.0	0.53	ug/L		03/11/25 17:43	03/18/25 13:44	1
Boron	**270**		50	13	ug/L		03/11/25 17:43	03/18/25 13:44	1
Cadmium	<0.17		0.50	0.17	ug/L		03/11/25 17:43	03/18/25 13:44	1
Calcium	**10000**		200	44	ug/L		03/11/25 17:43	03/18/25 13:44	1
Chromium	<1.1		5.0	1.1	ug/L		03/11/25 17:43	03/18/25 13:44	1
Cobalt	<0.40		1.0	0.40	ug/L		03/11/25 17:43	03/18/25 13:44	1
Copper	<0.50		2.0	0.50	ug/L		03/11/25 17:43	03/18/25 13:44	1
Iron	<47		100	47	ug/L		03/11/25 17:43	03/18/25 13:44	1
Lead	<0.19		0.50	0.19	ug/L		03/11/25 17:43	03/18/25 13:44	1
Lithium	<2.5		10	2.5	ug/L		03/11/25 17:43	03/18/25 13:44	1
Magnesium	**1600**		200	49	ug/L		03/11/25 17:43	03/18/25 13:44	1
Manganese	**15**		2.5	0.79	ug/L		03/11/25 17:43	03/18/25 13:44	1
Molybdenum	**18**		5.0	2.5	ug/L		03/11/25 17:43	03/18/25 13:44	1
Nickel	<0.63		2.0	0.63	ug/L		03/11/25 17:43	03/18/25 13:44	1
Potassium	**860**		500	110	ug/L		03/11/25 17:43	03/18/25 13:44	1
Selenium	<0.98		2.5	0.98	ug/L		03/11/25 17:43	03/18/25 13:44	1
Silver	<0.12		0.50	0.12	ug/L		03/11/25 17:43	03/18/25 13:44	1
Sodium	**41000**	**B**	200	77	ug/L		03/11/25 17:43	03/18/25 13:44	1
Strontium	**110**		4.0	0.64	ug/L		03/11/25 17:43	03/18/25 13:44	1
Thallium	<0.57		2.0	0.57	ug/L		03/11/25 17:43	03/18/25 13:44	1
Tin	<1.3		5.0	1.3	ug/L		03/11/25 17:43	03/18/25 13:44	1
Vanadium	<2.2		5.0	2.2	ug/L		03/11/25 17:43	03/18/25 13:44	1
Zinc	<6.9		20	6.9	ug/L		03/11/25 17:43	03/18/25 13:44	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**34**		0.91	0.46	mg/L		03/11/25 17:43	03/19/25 10:54	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	<0.45		1.0	0.45	mg/L			03/07/25 17:01	1
Nitrate as N (EPA 300.0)	**2.1**		1.0	0.37	mg/L			03/07/25 17:01	1
Chloride (EPA 300.0)	**39**		1.0	0.42	mg/L			03/07/25 17:01	1
Nitrite as N (EPA 300.0)	<0.25		1.0	0.25	mg/L			03/07/25 17:01	1
Fluoride (EPA 300.0)	<0.43		1.0	0.43	mg/L			03/07/25 17:01	1
Nitrate Nitrite as N (EPA 300.0)	**2.1**		1.0	0.37	mg/L			03/07/25 17:01	1
Sulfate (EPA 300.0)	<0.47		1.0	0.47	mg/L			03/07/25 17:01	1
Cyanide, Total (EPA 335.4)	**0.0080**		0.0050	0.0036	mg/L		03/09/25 11:21	03/09/25 13:01	1
Ammonia (EPA 350.1)	<0.10		0.20	0.10	mg/L		03/21/25 12:37	03/21/25 17:33	1
Phosphorus as P (EPA 365.1)	<0.024		0.050	0.024	mg/L		03/11/25 07:30	03/13/25 11:32	1
Alkalinity (SM 2320B)	**69**		5.0	3.7	mg/L			03/17/25 10:34	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**69**		5.0	3.7	mg/L			03/17/25 10:34	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<3.7		5.0	3.7	mg/L			03/17/25 10:34	1
Salinity (SM 2520B)	<0.33		0.33	0.33	psu			03/26/25 09:02	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264885-1

Client Sample ID: SMW-3_20250306
Date Collected: 03/06/25 11:45
Date Received: 03/07/25 09:10

Lab Sample ID: 500-264885-11
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**130**		10	4.3	mg/L			03/11/25 00:40	1
Total Suspended Solids (SM 2540D)	<1.9		5.0	1.9	mg/L			03/12/25 21:05	1
Sulfide (SM 4500 S2 F)	<0.23		1.0	0.23	mg/L			03/10/25 23:14	1
Total Organic Carbon (SM 5310C)	**2.3**		1.0	0.47	mg/L			03/19/25 20:24	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon (SM 5310C)	**2.1**		1.0	0.47	mg/L			03/20/25 05:32	1

Client Sample Results

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264885-1

Client Sample ID: SMW-3_20250306_FBLL

Lab Sample ID: 500-264885-12

Date Collected: 03/06/25 11:45

Matrix: Water

Date Received: 03/07/25 09:10

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			03/28/25 14:58	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264885-1

Client Sample ID: CBR-02_20250304

Date Collected: 03/04/25 13:00
Date Received: 03/07/25 09:10

Lab Sample ID: 500-264885-13

Matrix: Water

Method: EPA 1630 - Methyl Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	**0.15**		0.050	0.022	ng/L		03/31/25 11:40	03/31/25 21:37	1

Method: EPA 1630 - Methyl Mercury - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	**0.041**	**J ^+ ^2**	0.050	0.022	ng/L		03/27/25 12:42	03/28/25 00:04	1

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**7.8**		0.50	0.20	ng/L			03/28/25 15:02	1

Method: EPA 1631E - Mercury, Low Level (CVAFS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**4.1**		0.50	0.20	ng/L			03/28/25 15:32	1

Method: EPA 1638 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.27**		0.050	0.0098	ug/L		03/14/25 11:45	03/15/25 03:50	1

Method: EPA 1638 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.13**		0.050	0.0098	ug/L		03/14/25 11:45	03/15/25 02:57	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**640**		100	25	ug/L		03/11/25 17:43	03/18/25 13:47	1
Antimony	<1.3		3.0	1.3	ug/L		03/11/25 17:43	03/18/25 13:47	1
Arsenic	**0.43**	**J**	1.0	0.23	ug/L		03/11/25 17:43	03/18/25 13:47	1
Barium	**48**		2.5	0.73	ug/L		03/11/25 17:43	03/18/25 13:47	1
Beryllium	<0.53		1.0	0.53	ug/L		03/11/25 17:43	03/18/25 13:47	1
Boron	**34**	**J**	50	13	ug/L		03/11/25 17:43	03/18/25 13:47	1
Cadmium	<0.17		0.50	0.17	ug/L		03/11/25 17:43	03/18/25 13:47	1
Calcium	**13000**		200	44	ug/L		03/11/25 17:43	03/18/25 13:47	1
Chromium	<1.1		5.0	1.1	ug/L		03/11/25 17:43	03/18/25 13:47	1
Cobalt	<0.40		1.0	0.40	ug/L		03/11/25 17:43	03/18/25 13:47	1
Copper	**5.3**		2.0	0.50	ug/L		03/11/25 17:43	03/18/25 13:47	1
Iron	**1000**		100	47	ug/L		03/11/25 17:43	03/18/25 13:47	1
Lead	**0.52**		0.50	0.19	ug/L		03/11/25 17:43	03/18/25 13:47	1
Lithium	<2.5		10	2.5	ug/L		03/11/25 17:43	03/18/25 13:47	1
Magnesium	**3400**		200	49	ug/L		03/11/25 17:43	03/18/25 13:47	1
Manganese	**42**		2.5	0.79	ug/L		03/11/25 17:43	03/18/25 13:47	1
Molybdenum	<2.5		5.0	2.5	ug/L		03/11/25 17:43	03/18/25 13:47	1
Nickel	**0.75**	**J**	2.0	0.63	ug/L		03/11/25 17:43	03/18/25 13:47	1
Potassium	**880**		500	110	ug/L		03/11/25 17:43	03/18/25 13:47	1
Selenium	**1.0**	**J**	2.5	0.98	ug/L		03/11/25 17:43	03/18/25 13:47	1
Silver	<0.12		0.50	0.12	ug/L		03/11/25 17:43	03/18/25 13:47	1
Sodium	**3600**	**B**	200	77	ug/L		03/11/25 17:43	03/18/25 13:47	1
Strontium	**60**		4.0	0.64	ug/L		03/11/25 17:43	03/18/25 13:47	1
Thallium	<0.57		2.0	0.57	ug/L		03/11/25 17:43	03/18/25 13:47	1
Tin	<1.3		5.0	1.3	ug/L		03/11/25 17:43	03/18/25 13:47	1
Vanadium	<2.2		5.0	2.2	ug/L		03/11/25 17:43	03/18/25 13:47	1
Zinc	<6.9		20	6.9	ug/L		03/11/25 17:43	03/18/25 13:47	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264885-1

Client Sample ID: CBR-02_20250304

Lab Sample ID: 500-264885-13

Date Collected: 03/04/25 13:00

Matrix: Water

Date Received: 03/07/25 09:10

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**100**		100	25	ug/L		03/11/25 17:43	03/18/25 13:49	1
Antimony	<1.3		3.0	1.3	ug/L		03/11/25 17:43	03/18/25 13:49	1
Arsenic	**0.26**	**J**	1.0	0.23	ug/L		03/11/25 17:43	03/18/25 13:49	1
Barium	**31**		2.5	0.73	ug/L		03/11/25 17:43	03/18/25 13:49	1
Beryllium	<0.53		1.0	0.53	ug/L		03/11/25 17:43	03/18/25 13:49	1
Boron	**31**	**J**	50	13	ug/L		03/11/25 17:43	03/18/25 13:49	1
Cadmium	<0.17		0.50	0.17	ug/L		03/11/25 17:43	03/18/25 13:49	1
Calcium	**12000**		200	44	ug/L		03/11/25 17:43	03/18/25 13:49	1
Chromium	<1.1		5.0	1.1	ug/L		03/11/25 17:43	03/18/25 13:49	1
Cobalt	<0.40		1.0	0.40	ug/L		03/11/25 17:43	03/18/25 13:49	1
Copper	**3.1**		2.0	0.50	ug/L		03/11/25 17:43	03/18/25 13:49	1
Iron	**290**		100	47	ug/L		03/11/25 17:43	03/18/25 13:49	1
Lead	<0.19		0.50	0.19	ug/L		03/11/25 17:43	03/18/25 13:49	1
Lithium	<2.5		10	2.5	ug/L		03/11/25 17:43	03/18/25 13:49	1
Magnesium	**3000**		200	49	ug/L		03/11/25 17:43	03/18/25 13:49	1
Manganese	**29**		2.5	0.79	ug/L		03/11/25 17:43	03/18/25 13:49	1
Molybdenum	<2.5		5.0	2.5	ug/L		03/11/25 17:43	03/18/25 13:49	1
Nickel	<0.63		2.0	0.63	ug/L		03/11/25 17:43	03/18/25 13:49	1
Potassium	**790**		500	110	ug/L		03/11/25 17:43	03/18/25 13:49	1
Selenium	<0.98		2.5	0.98	ug/L		03/11/25 17:43	03/18/25 13:49	1
Silver	<0.12		0.50	0.12	ug/L		03/11/25 17:43	03/18/25 13:49	1
Sodium	**3400**	**B**	200	77	ug/L		03/11/25 17:43	03/18/25 13:49	1
Strontium	**56**		4.0	0.64	ug/L		03/11/25 17:43	03/18/25 13:49	1
Thallium	<0.57		2.0	0.57	ug/L		03/11/25 17:43	03/18/25 13:49	1
Tin	<1.3		5.0	1.3	ug/L		03/11/25 17:43	03/18/25 13:49	1
Vanadium	<2.2		5.0	2.2	ug/L		03/11/25 17:43	03/18/25 13:49	1
Zinc	<6.9		20	6.9	ug/L		03/11/25 17:43	03/18/25 13:49	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**45**		0.91	0.46	mg/L		03/11/25 17:43	03/19/25 10:54	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	<0.45		1.0	0.45	mg/L			03/07/25 17:47	1
Nitrate as N (EPA 300.0)	**1.4**	**H3**	1.0	0.37	mg/L			03/07/25 17:47	1
Chloride (EPA 300.0)	**5.9**		1.0	0.42	mg/L			03/07/25 17:47	1
Nitrite as N (EPA 300.0)	<0.25	H3	1.0	0.25	mg/L			03/07/25 17:47	1
Fluoride (EPA 300.0)	<0.43		1.0	0.43	mg/L			03/07/25 17:47	1
Nitrate Nitrite as N (EPA 300.0)	**1.4**	**H3**	1.0	0.37	mg/L			03/07/25 17:47	1
Sulfate (EPA 300.0)	**2.8**		1.0	0.47	mg/L			03/07/25 17:47	1
Cyanide, Total (EPA 335.4)	<0.0036		0.0050	0.0036	mg/L		03/09/25 11:21	03/09/25 13:01	1
Ammonia (EPA 350.1)	<0.10		0.20	0.10	mg/L		03/21/25 12:37	03/21/25 17:34	1
Phosphorus as P (EPA 365.1)	**0.10**		0.050	0.024	mg/L		03/13/25 07:45	03/13/25 16:03	1
Alkalinity (SM 2320B)	**46**	**B**	5.0	3.7	mg/L			03/16/25 11:39	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**46**	**B**	5.0	3.7	mg/L			03/16/25 11:39	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<3.7		5.0	3.7	mg/L			03/16/25 11:39	1
Salinity (SM 2520B)	<0.33		0.33	0.33	psu			03/26/25 09:02	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264885-1

Client Sample ID: CBR-02_20250304
Date Collected: 03/04/25 13:00
Date Received: 03/07/25 09:10

Lab Sample ID: 500-264885-13
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	78		10	4.3	mg/L			03/11/25 03:01	1
Total Suspended Solids (SM 2540D)	160		16	6.0	mg/L			03/11/25 09:52	1
Sulfide (SM 4500 S2 F)	<0.23		1.0	0.23	mg/L			03/10/25 04:37	1
Total Organic Carbon (SM 5310C)	8.7		1.0	0.47	mg/L			03/19/25 22:01	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon (SM 5310C)	8.4		1.0	0.47	mg/L			03/20/25 07:09	1

Client Sample Results

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264885-1

Client Sample ID: CBR-02_20250304_FBLL
Date Collected: 03/04/25 13:00
Date Received: 03/07/25 09:10

Lab Sample ID: 500-264885-14
Matrix: Water

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			03/28/25 15:07	1

Client Sample Results

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264885-1

Client Sample ID: LKS-01_20250304

Date Collected: 03/04/25 15:00
Date Received: 03/07/25 09:10

Lab Sample ID: 500-264885-15

Matrix: Water

Method: EPA 1630 - Methyl Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		03/20/25 12:01	03/21/25 01:16	1

Method: EPA 1630 - Methyl Mercury - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		03/20/25 12:01	03/21/25 01:27	1

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**7.2**		0.50	0.20	ng/L			03/17/25 18:38	1

Method: EPA 1631E - Mercury, Low Level (CVAFS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**4.8**		0.50	0.20	ng/L			03/17/25 18:42	1

Method: EPA 1638 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.42**	**B**	0.050	0.0098	ug/L		03/14/25 11:45	03/15/25 04:14	1

Method: EPA 1638 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.27**		0.050	0.0098	ug/L		03/14/25 11:45	03/15/25 03:01	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**3800**		100	25	ug/L		03/12/25 08:23	03/20/25 15:33	1
Antimony	<1.3		3.0	1.3	ug/L		03/12/25 08:23	03/20/25 15:33	1
Arsenic	**0.88**	**J**	1.0	0.23	ug/L		03/12/25 08:23	03/20/25 15:33	1
Barium	**120**		2.5	0.73	ug/L		03/12/25 08:23	03/20/25 15:33	1
Beryllium	<0.53		1.0	0.53	ug/L		03/12/25 08:23	03/20/25 15:33	1
Boron	**65**		50	13	ug/L		03/12/25 08:23	03/20/25 15:33	1
Cadmium	<0.17		0.50	0.17	ug/L		03/12/25 08:23	03/20/25 15:33	1
Calcium	**28000**		200	44	ug/L		03/12/25 08:23	03/20/25 15:33	1
Chromium	**4.1**	**J**	5.0	1.1	ug/L		03/12/25 08:23	03/20/25 15:33	1
Cobalt	**2.3**		1.0	0.40	ug/L		03/12/25 08:23	03/20/25 15:33	1
Copper	**15**		2.0	0.50	ug/L		03/12/25 08:23	03/20/25 15:33	1
Iron	**2600**		100	47	ug/L		03/12/25 08:23	03/20/25 15:33	1
Lead	**1.3**		0.50	0.19	ug/L		03/12/25 08:23	03/20/25 15:33	1
Lithium	**4.8**	**J**	10	2.5	ug/L		03/12/25 08:23	03/20/25 15:33	1
Magnesium	**7000**		200	49	ug/L		03/12/25 08:23	03/20/25 15:33	1
Manganese	**56**		2.5	0.79	ug/L		03/12/25 08:23	03/20/25 15:33	1
Molybdenum	<2.5		5.0	2.5	ug/L		03/12/25 08:23	03/20/25 15:33	1
Nickel	**4.6**		2.0	0.63	ug/L		03/12/25 08:23	03/20/25 15:33	1
Potassium	**1800**		500	110	ug/L		03/12/25 08:23	03/20/25 15:33	1
Selenium	**1.1**	**J**	2.5	0.98	ug/L		03/12/25 08:23	03/20/25 15:33	1
Silver	<0.12		0.50	0.12	ug/L		03/12/25 08:23	03/20/25 15:33	1
Sodium	**32000**		200	77	ug/L		03/12/25 08:23	03/20/25 15:33	1
Strontium	**99**		4.0	0.64	ug/L		03/12/25 08:23	03/20/25 15:33	1
Thallium	<0.57		2.0	0.57	ug/L		03/12/25 08:23	03/20/25 15:33	1
Tin	<1.3		5.0	1.3	ug/L		03/12/25 08:23	03/20/25 15:33	1
Vanadium	**8.0**		5.0	2.2	ug/L		03/12/25 08:23	03/20/25 15:33	1
Zinc	**12**	**J**	20	6.9	ug/L		03/12/25 08:23	03/20/25 15:33	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264885-1

Client Sample ID: LKS-01_20250304

Date Collected: 03/04/25 15:00
Date Received: 03/07/25 09:10

Lab Sample ID: 500-264885-15

Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**66**	**J**	100	25	ug/L		03/12/25 08:23	03/20/25 15:35	1
Antimony	<1.3		3.0	1.3	ug/L		03/12/25 08:23	03/20/25 15:35	1
Arsenic	**0.38**	**J**	1.0	0.23	ug/L		03/12/25 08:23	03/20/25 15:35	1
Barium	**94**		2.5	0.73	ug/L		03/12/25 08:23	03/20/25 15:35	1
Beryllium	<0.53		1.0	0.53	ug/L		03/12/25 08:23	03/20/25 15:35	1
Boron	**61**		50	13	ug/L		03/12/25 08:23	03/20/25 15:35	1
Cadmium	<0.17		0.50	0.17	ug/L		03/12/25 08:23	03/20/25 15:35	1
Calcium	**27000**		200	44	ug/L		03/12/25 08:23	03/20/25 15:35	1
Chromium	<1.1		5.0	1.1	ug/L		03/12/25 08:23	03/20/25 15:35	1
Cobalt	<0.40		1.0	0.40	ug/L		03/12/25 08:23	03/20/25 15:35	1
Copper	**11**		2.0	0.50	ug/L		03/12/25 08:23	03/20/25 15:35	1
Iron	**73**	**J**	100	47	ug/L		03/12/25 08:23	03/20/25 15:35	1
Lead	<0.19		0.50	0.19	ug/L		03/12/25 08:23	03/20/25 15:35	1
Lithium	<2.5		10	2.5	ug/L		03/12/25 08:23	03/20/25 15:35	1
Magnesium	**5700**		200	49	ug/L		03/12/25 08:23	03/20/25 15:35	1
Manganese	**4.0**		2.5	0.79	ug/L		03/12/25 08:23	03/20/25 15:35	1
Molybdenum	<2.5		5.0	2.5	ug/L		03/12/25 08:23	03/20/25 15:35	1
Nickel	<0.63		2.0	0.63	ug/L		03/12/25 08:23	03/20/25 15:35	1
Potassium	**1200**		500	110	ug/L		03/12/25 08:23	03/20/25 15:35	1
Selenium	**1.2**	**J**	2.5	0.98	ug/L		03/12/25 08:23	03/20/25 15:35	1
Silver	<0.12		0.50	0.12	ug/L		03/12/25 08:23	03/20/25 15:35	1
Sodium	**32000**		200	77	ug/L		03/12/25 08:23	03/20/25 15:35	1
Strontium	**96**		4.0	0.64	ug/L		03/12/25 08:23	03/20/25 15:35	1
Thallium	<0.57		2.0	0.57	ug/L		03/12/25 08:23	03/20/25 15:35	1
Tin	<1.3		5.0	1.3	ug/L		03/12/25 08:23	03/20/25 15:35	1
Vanadium	<2.2		5.0	2.2	ug/L		03/12/25 08:23	03/20/25 15:35	1
Zinc	<6.9		20	6.9	ug/L		03/12/25 08:23	03/20/25 15:35	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**98**		0.91	0.46	mg/L		03/12/25 08:23	03/21/25 08:50	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	<0.45		1.0	0.45	mg/L			03/07/25 18:02	1
Nitrate as N (EPA 300.0)	**1.7**	**H3**	1.0	0.37	mg/L			03/07/25 18:02	1
Chloride (EPA 300.0)	**73**		1.0	0.42	mg/L			03/07/25 18:02	1
Nitrite as N (EPA 300.0)	<0.25	H3	1.0	0.25	mg/L			03/07/25 18:02	1
Fluoride (EPA 300.0)	<0.43		1.0	0.43	mg/L			03/07/25 18:02	1
Nitrate Nitrite as N (EPA 300.0)	**1.7**	**H3**	1.0	0.37	mg/L			03/07/25 18:02	1
Sulfate (EPA 300.0)	**5.4**		1.0	0.47	mg/L			03/07/25 18:02	1
Cyanide, Total (EPA 335.4)	<0.0036		0.0050	0.0036	mg/L		03/09/25 11:21	03/09/25 13:03	1
Ammonia (EPA 350.1)	<0.10		0.20	0.10	mg/L		03/21/25 12:37	03/21/25 17:34	1
Phosphorus as P (EPA 365.1)	**0.048**	**J**	0.050	0.024	mg/L		03/13/25 07:45	03/13/25 16:04	1
Alkalinity (SM 2320B)	**54**	**B**	5.0	3.7	mg/L			03/16/25 11:47	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**54**	**B**	5.0	3.7	mg/L			03/16/25 11:47	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<3.7		5.0	3.7	mg/L			03/16/25 11:47	1
Salinity (SM 2520B)	<0.33		0.33	0.33	psu			03/26/25 09:02	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264885-1

Client Sample ID: LKS-01_20250304
Date Collected: 03/04/25 15:00
Date Received: 03/07/25 09:10

Lab Sample ID: 500-264885-15
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	200		10	4.3	mg/L			03/11/25 03:10	1
Total Suspended Solids (SM 2540D)	67		17	6.4	mg/L			03/11/25 09:54	1
Sulfide (SM 4500 S2 F)	<0.23		1.0	0.23	mg/L			03/10/25 04:44	1
Total Organic Carbon (SM 5310C)	8.9		1.0	0.47	mg/L			03/19/25 22:33	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon (SM 5310C)	9.4		1.0	0.47	mg/L			03/20/25 07:41	1

Client Sample Results

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264885-1

Client Sample ID: LKS-01_20250304_FBLL
Date Collected: 03/04/25 15:00
Date Received: 03/07/25 09:10

Lab Sample ID: 500-264885-16
Matrix: Water

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.51		0.50	0.20	ng/L			03/17/25 18:47	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264885-1

Client Sample ID: MW-37_20250304

Date Collected: 03/04/25 13:25
Date Received: 03/07/25 09:10

Lab Sample ID: 500-264885-17

Matrix: Water

Method: EPA 1630 - Methyl Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		03/20/25 12:01	03/21/25 01:37	1

Method: EPA 1630 - Methyl Mercury - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		03/20/25 12:01	03/21/25 01:47	1

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.50**		0.50	0.20	ng/L			03/17/25 18:51	1

Method: EPA 1631E - Mercury, Low Level (CVAFS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.38**	**J**	0.50	0.20	ng/L			03/17/25 18:55	1

Method: EPA 1638 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**1.3**	**B**	0.050	0.0098	ug/L		03/14/25 11:45	03/15/25 04:24	1

Method: EPA 1638 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.81**		0.050	0.0098	ug/L		03/14/25 11:45	03/15/25 03:04	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**280**		100	25	ug/L		03/12/25 08:23	03/20/25 15:44	1
Antimony	<1.3		3.0	1.3	ug/L		03/12/25 08:23	03/20/25 15:44	1
Arsenic	**1.2**		1.0	0.23	ug/L		03/12/25 08:23	03/20/25 15:44	1
Barium	**260**		2.5	0.73	ug/L		03/12/25 08:23	03/20/25 15:44	1
Beryllium	<0.53		1.0	0.53	ug/L		03/12/25 08:23	03/20/25 15:44	1
Boron	**63**		50	13	ug/L		03/12/25 08:23	03/20/25 15:44	1
Cadmium	<0.17		0.50	0.17	ug/L		03/12/25 08:23	03/20/25 15:44	1
Calcium	**86000**		200	44	ug/L		03/12/25 08:23	03/20/25 15:44	1
Chromium	**1.7**	**J**	5.0	1.1	ug/L		03/12/25 08:23	03/20/25 15:44	1
Cobalt	<0.40		1.0	0.40	ug/L		03/12/25 08:23	03/20/25 15:44	1
Copper	**1.2**	**J**	2.0	0.50	ug/L		03/12/25 08:23	03/20/25 15:44	1
Iron	**270**		100	47	ug/L		03/12/25 08:23	03/20/25 15:44	1
Lead	<0.19		0.50	0.19	ug/L		03/12/25 08:23	03/20/25 15:44	1
Lithium	**12**		10	2.5	ug/L		03/12/25 08:23	03/20/25 15:44	1
Magnesium	**15000**		200	49	ug/L		03/12/25 08:23	03/20/25 15:44	1
Manganese	**11**		2.5	0.79	ug/L		03/12/25 08:23	03/20/25 15:44	1
Molybdenum	<2.5		5.0	2.5	ug/L		03/12/25 08:23	03/20/25 15:44	1
Nickel	<0.63		2.0	0.63	ug/L		03/12/25 08:23	03/20/25 15:44	1
Potassium	**870**		500	110	ug/L		03/12/25 08:23	03/20/25 15:44	1
Selenium	**1.1**	**J**	2.5	0.98	ug/L		03/12/25 08:23	03/20/25 15:44	1
Silver	<0.12		0.50	0.12	ug/L		03/12/25 08:23	03/20/25 15:44	1
Sodium	**8600**		200	77	ug/L		03/12/25 08:23	03/20/25 15:44	1
Strontium	**320**		4.0	0.64	ug/L		03/12/25 08:23	03/20/25 15:44	1
Thallium	<0.57		2.0	0.57	ug/L		03/12/25 08:23	03/20/25 15:44	1
Tin	<1.3		5.0	1.3	ug/L		03/12/25 08:23	03/20/25 15:44	1
Vanadium	**6.0**		5.0	2.2	ug/L		03/12/25 08:23	03/20/25 15:44	1
Zinc	<6.9		20	6.9	ug/L		03/12/25 08:23	03/20/25 15:44	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264885-1

Client Sample ID: MW-37_20250304

Date Collected: 03/04/25 13:25
Date Received: 03/07/25 09:10

Lab Sample ID: 500-264885-17

Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<25		100	25	ug/L		03/12/25 08:23	03/20/25 15:46	1
Antimony	<1.3		3.0	1.3	ug/L		03/12/25 08:23	03/20/25 15:46	1
Arsenic	**0.72**	**J**	1.0	0.23	ug/L		03/12/25 08:23	03/20/25 15:46	1
Barium	**250**		2.5	0.73	ug/L		03/12/25 08:23	03/20/25 15:46	1
Beryllium	<0.53		1.0	0.53	ug/L		03/12/25 08:23	03/20/25 15:46	1
Boron	**42**	**J**	50	13	ug/L		03/12/25 08:23	03/20/25 15:46	1
Cadmium	<0.17		0.50	0.17	ug/L		03/12/25 08:23	03/20/25 15:46	1
Calcium	**73000**		200	44	ug/L		03/12/25 08:23	03/20/25 15:46	1
Chromium	<1.1		5.0	1.1	ug/L		03/12/25 08:23	03/20/25 15:46	1
Cobalt	<0.40		1.0	0.40	ug/L		03/12/25 08:23	03/20/25 15:46	1
Copper	**0.77**	**J**	2.0	0.50	ug/L		03/12/25 08:23	03/20/25 15:46	1
Iron	<47		100	47	ug/L		03/12/25 08:23	03/20/25 15:46	1
Lead	<0.19		0.50	0.19	ug/L		03/12/25 08:23	03/20/25 15:46	1
Lithium	**9.7**	**J**	10	2.5	ug/L		03/12/25 08:23	03/20/25 15:46	1
Magnesium	**14000**		200	49	ug/L		03/12/25 08:23	03/20/25 15:46	1
Manganese	**0.93**	**J**	2.5	0.79	ug/L		03/12/25 08:23	03/20/25 15:46	1
Molybdenum	<2.5		5.0	2.5	ug/L		03/12/25 08:23	03/20/25 15:46	1
Nickel	<0.63		2.0	0.63	ug/L		03/12/25 08:23	03/20/25 15:46	1
Potassium	**670**		500	110	ug/L		03/12/25 08:23	03/20/25 15:46	1
Selenium	<0.98		2.5	0.98	ug/L		03/12/25 08:23	03/20/25 15:46	1
Silver	<0.12		0.50	0.12	ug/L		03/12/25 08:23	03/20/25 15:46	1
Sodium	**7700**		200	77	ug/L		03/12/25 08:23	03/20/25 15:46	1
Strontium	**210**		4.0	0.64	ug/L		03/12/25 08:23	03/20/25 15:46	1
Thallium	<0.57		2.0	0.57	ug/L		03/12/25 08:23	03/20/25 15:46	1
Tin	<1.3		5.0	1.3	ug/L		03/12/25 08:23	03/20/25 15:46	1
Vanadium	**4.3**	**J**	5.0	2.2	ug/L		03/12/25 08:23	03/20/25 15:46	1
Zinc	<6.9		20	6.9	ug/L		03/12/25 08:23	03/20/25 15:46	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**280**		0.91	0.46	mg/L		03/12/25 08:23	03/21/25 08:50	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	<0.45		1.0	0.45	mg/L			03/08/25 07:46	1
Nitrate as N (EPA 300.0)	**5.4**	**H3**	1.0	0.37	mg/L			03/08/25 07:46	1
Chloride (EPA 300.0)	**23**		1.0	0.42	mg/L			03/08/25 07:46	1
Nitrite as N (EPA 300.0)	<0.25	H3	1.0	0.25	mg/L			03/08/25 07:46	1
Fluoride (EPA 300.0)	<0.43		1.0	0.43	mg/L			03/08/25 07:46	1
Nitrate Nitrite as N (EPA 300.0)	**5.4**	**H3**	1.0	0.37	mg/L			03/08/25 07:46	1
Sulfate (EPA 300.0)	**1.9**		1.0	0.47	mg/L			03/08/25 07:46	1
Cyanide, Total (EPA 335.4)	<0.0036		0.0050	0.0036	mg/L		03/09/25 11:21	03/09/25 13:03	1
Ammonia (EPA 350.1)	<0.10		0.20	0.10	mg/L		03/21/25 12:37	03/21/25 17:35	1
Phosphorus as P (EPA 365.1)	**0.033**	**J**	0.050	0.024	mg/L		03/13/25 07:45	03/13/25 16:05	1
Alkalinity (SM 2320B)	**210**	**B**	5.0	3.7	mg/L			03/16/25 11:55	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**210**	**B**	5.0	3.7	mg/L			03/16/25 11:55	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<3.7		5.0	3.7	mg/L			03/16/25 11:55	1
Salinity (SM 2520B)	<0.33		0.33	0.33	psu			03/26/25 09:02	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264885-1

Client Sample ID: MW-37_20250304
Date Collected: 03/04/25 13:25
Date Received: 03/07/25 09:10

Lab Sample ID: 500-264885-17
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	260		10	4.3	mg/L			03/11/25 03:16	1
Total Suspended Solids (SM 2540D)	2.2	J	5.0	1.9	mg/L			03/11/25 09:57	1
Sulfide (SM 4500 S2 F)	<0.23		1.0	0.23	mg/L			03/10/25 04:51	1
Total Organic Carbon (SM 5310C)	1.0		1.0	0.47	mg/L			03/19/25 23:05	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon (SM 5310C)	1.1		1.0	0.47	mg/L			03/20/25 08:14	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264885-1

Client Sample ID: MW-37_20250304_FBLL
Date Collected: 03/04/25 13:25
Date Received: 03/07/25 09:10

Lab Sample ID: 500-264885-18
Matrix: Water

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			03/17/25 18:59	1

Client Sample Results

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264885-1

Client Sample ID: FB-02_20250304_FBLL

Date Collected: 03/04/25 19:00
Date Received: 03/07/25 09:10

Lab Sample ID: 500-264885-19

Matrix: Water

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			03/12/25 13:22	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264885-1

Client Sample ID: MW-42_20250304

Date Collected: 03/04/25 11:00
Date Received: 03/07/25 09:10

Lab Sample ID: 500-264885-20

Matrix: Water

Method: EPA 1630 - Methyl Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		03/26/25 12:10	03/26/25 19:20	1

Method: EPA 1630 - Methyl Mercury - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		03/26/25 12:10	03/26/25 19:31	1

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**4.0**	**B**	0.50	0.20	ng/L			03/12/25 13:26	1

Method: EPA 1631E - Mercury, Low Level (CVAFS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**1.8**		0.50	0.20	ng/L			03/17/25 19:03	1

Method: EPA 1638 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**6.5**	**B**	0.050	0.0098	ug/L		03/14/25 11:45	03/15/25 04:28	1

Method: EPA 1638 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**6.5**		0.050	0.0098	ug/L		03/14/25 11:45	03/15/25 03:08	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**1200**		100	25	ug/L		03/12/25 08:23	03/20/25 15:49	1
Antimony	<1.3		3.0	1.3	ug/L		03/12/25 08:23	03/20/25 15:49	1
Arsenic	**6.5**		1.0	0.23	ug/L		03/12/25 08:23	03/20/25 15:49	1
Barium	**17**		2.5	0.73	ug/L		03/12/25 08:23	03/20/25 15:49	1
Beryllium	<0.53		1.0	0.53	ug/L		03/12/25 08:23	03/20/25 15:49	1
Boron	**700**		50	13	ug/L		03/12/25 08:23	03/20/25 15:49	1
Cadmium	<0.17		0.50	0.17	ug/L		03/12/25 08:23	03/20/25 15:49	1
Calcium	**3700**		200	44	ug/L		03/12/25 08:23	03/20/25 15:49	1
Chromium	**1.8**	**J**	5.0	1.1	ug/L		03/12/25 08:23	03/20/25 15:49	1
Cobalt	**0.55**	**J**	1.0	0.40	ug/L		03/12/25 08:23	03/20/25 15:49	1
Copper	**5.9**		2.0	0.50	ug/L		03/12/25 08:23	03/20/25 15:49	1
Iron	**910**		100	47	ug/L		03/12/25 08:23	03/20/25 15:49	1
Lead	**0.34**	**J**	0.50	0.19	ug/L		03/12/25 08:23	03/20/25 15:49	1
Lithium	**15**		10	2.5	ug/L		03/12/25 08:23	03/20/25 15:49	1
Magnesium	**630**		200	49	ug/L		03/12/25 08:23	03/20/25 15:49	1
Manganese	**29**		2.5	0.79	ug/L		03/12/25 08:23	03/20/25 15:49	1
Molybdenum	**12**		5.0	2.5	ug/L		03/12/25 08:23	03/20/25 15:49	1
Nickel	**1.3**	**J**	2.0	0.63	ug/L		03/12/25 08:23	03/20/25 15:49	1
Potassium	**640**		500	110	ug/L		03/12/25 08:23	03/20/25 15:49	1
Selenium	**1.5**	**J**	2.5	0.98	ug/L		03/12/25 08:23	03/20/25 15:49	1
Silver	<0.12		0.50	0.12	ug/L		03/12/25 08:23	03/20/25 15:49	1
Sodium	**77000**		200	77	ug/L		03/12/25 08:23	03/20/25 15:49	1
Strontium	**46**		4.0	0.64	ug/L		03/12/25 08:23	03/20/25 15:49	1
Thallium	<0.57		2.0	0.57	ug/L		03/12/25 08:23	03/20/25 15:49	1
Tin	<1.3		5.0	1.3	ug/L		03/12/25 08:23	03/20/25 15:49	1
Vanadium	**21**		5.0	2.2	ug/L		03/12/25 08:23	03/20/25 15:49	1
Zinc	**9.9**	**J**	20	6.9	ug/L		03/12/25 08:23	03/20/25 15:49	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264885-1

Client Sample ID: MW-42_20250304

Date Collected: 03/04/25 11:00
Date Received: 03/07/25 09:10

Lab Sample ID: 500-264885-20

Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<25		100	25	ug/L		03/12/25 08:23	03/20/25 15:51	1
Antimony	<1.3		3.0	1.3	ug/L		03/12/25 08:23	03/20/25 15:51	1
Arsenic	**4.8**		1.0	0.23	ug/L		03/12/25 08:23	03/20/25 15:51	1
Barium	**5.7**		2.5	0.73	ug/L		03/12/25 08:23	03/20/25 15:51	1
Beryllium	<0.53		1.0	0.53	ug/L		03/12/25 08:23	03/20/25 15:51	1
Boron	**710**		50	13	ug/L		03/12/25 08:23	03/20/25 15:51	1
Cadmium	<0.17		0.50	0.17	ug/L		03/12/25 08:23	03/20/25 15:51	1
Calcium	**3600**		200	44	ug/L		03/12/25 08:23	03/20/25 15:51	1
Chromium	<1.1		5.0	1.1	ug/L		03/12/25 08:23	03/20/25 15:51	1
Cobalt	<0.40		1.0	0.40	ug/L		03/12/25 08:23	03/20/25 15:51	1
Copper	**3.0**		2.0	0.50	ug/L		03/12/25 08:23	03/20/25 15:51	1
Iron	<47		100	47	ug/L		03/12/25 08:23	03/20/25 15:51	1
Lead	<0.19		0.50	0.19	ug/L		03/12/25 08:23	03/20/25 15:51	1
Lithium	**14**		10	2.5	ug/L		03/12/25 08:23	03/20/25 15:51	1
Magnesium	**300**		200	49	ug/L		03/12/25 08:23	03/20/25 15:51	1
Manganese	<0.79		2.5	0.79	ug/L		03/12/25 08:23	03/20/25 15:51	1
Molybdenum	**13**		5.0	2.5	ug/L		03/12/25 08:23	03/20/25 15:51	1
Nickel	<0.63		2.0	0.63	ug/L		03/12/25 08:23	03/20/25 15:51	1
Potassium	**290**	**J**	500	110	ug/L		03/12/25 08:23	03/20/25 15:51	1
Selenium	**1.7**	**J**	2.5	0.98	ug/L		03/12/25 08:23	03/20/25 15:51	1
Silver	<0.12		0.50	0.12	ug/L		03/12/25 08:23	03/20/25 15:51	1
Sodium	**77000**		200	77	ug/L		03/12/25 08:23	03/20/25 15:51	1
Strontium	**44**		4.0	0.64	ug/L		03/12/25 08:23	03/20/25 15:51	1
Thallium	<0.57		2.0	0.57	ug/L		03/12/25 08:23	03/20/25 15:51	1
Tin	<1.3		5.0	1.3	ug/L		03/12/25 08:23	03/20/25 15:51	1
Vanadium	**18**		5.0	2.2	ug/L		03/12/25 08:23	03/20/25 15:51	1
Zinc	<6.9		20	6.9	ug/L		03/12/25 08:23	03/20/25 15:51	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**12**		0.91	0.46	mg/L		03/12/25 08:23	03/21/25 08:50	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	<0.45		1.0	0.45	mg/L			03/08/25 08:01	1
Nitrate as N (EPA 300.0)	**3.8**	**H3**	1.0	0.37	mg/L			03/08/25 08:01	1
Chloride (EPA 300.0)	**1.2**		1.0	0.42	mg/L			03/08/25 08:01	1
Nitrite as N (EPA 300.0)	<0.25	H3	1.0	0.25	mg/L			03/08/25 08:01	1
Fluoride (EPA 300.0)	**1.3**		1.0	0.43	mg/L			03/08/25 08:01	1
Nitrate Nitrite as N (EPA 300.0)	**3.8**	**H3**	1.0	0.37	mg/L			03/08/25 08:01	1
Sulfate (EPA 300.0)	**15**		1.0	0.47	mg/L			03/08/25 08:01	1
Cyanide, Total (EPA 335.4)	**0.0040**	**J**	0.0050	0.0036	mg/L		03/09/25 11:21	03/09/25 13:04	1
Ammonia (EPA 350.1)	<0.10		0.20	0.10	mg/L		03/21/25 12:37	03/21/25 17:35	1
Phosphorus as P (EPA 365.1)	**0.36**		0.050	0.024	mg/L		03/13/25 07:45	03/13/25 16:06	1
Alkalinity (SM 2320B)	**140**	**B**	5.0	3.7	mg/L			03/16/25 12:04	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**130**	**B**	5.0	3.7	mg/L			03/16/25 12:04	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	**14**		5.0	3.7	mg/L			03/16/25 12:04	1
Salinity (SM 2520B)	<0.33		0.33	0.33	psu			03/26/25 09:02	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264885-1

Client Sample ID: MW-42_20250304
Date Collected: 03/04/25 11:00
Date Received: 03/07/25 09:10

Lab Sample ID: 500-264885-20
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	170		10	4.3	mg/L			03/11/25 03:19	1
Total Suspended Solids (SM 2540D)	3.8	J	5.0	1.9	mg/L			03/11/25 10:00	1
Sulfide (SM 4500 S2 F)	<0.23		1.0	0.23	mg/L			03/10/25 04:58	1
Total Organic Carbon (SM 5310C)	2.2		1.0	0.47	mg/L			03/19/25 23:38	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon (SM 5310C)	3.2		1.0	0.47	mg/L			03/20/25 08:46	1

Client Sample Results

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264885-1

Client Sample ID: MW-42_20250304_FBLL

Date Collected: 03/04/25 11:00
Date Received: 03/07/25 09:10

Lab Sample ID: 500-264885-21

Matrix: Water

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			03/12/25 13:30	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264885-1

Client Sample ID: MW-41_202503004

Date Collected: 03/04/25 15:15
Date Received: 03/07/25 09:10

Lab Sample ID: 500-264885-22

Matrix: Water

Method: EPA 1638 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**7.6**		0.050	0.0098	ug/L		03/14/25 11:45	03/15/25 04:45	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**130**		100	25	ug/L		03/12/25 08:23	03/20/25 15:54	1
Antimony	<1.3		3.0	1.3	ug/L		03/12/25 08:23	03/20/25 15:54	1
Arsenic	**0.52**	**J**	1.0	0.23	ug/L		03/12/25 08:23	03/20/25 15:54	1
Barium	**80**		2.5	0.73	ug/L		03/12/25 08:23	03/20/25 15:54	1
Beryllium	<0.53		1.0	0.53	ug/L		03/12/25 08:23	03/20/25 15:54	1
Boron	**1400**		50	13	ug/L		03/12/25 08:23	03/20/25 15:54	1
Cadmium	<0.17		0.50	0.17	ug/L		03/12/25 08:23	03/20/25 15:54	1
Calcium	**43000**		200	44	ug/L		03/12/25 08:23	03/20/25 15:54	1
Chromium	<1.1		5.0	1.1	ug/L		03/12/25 08:23	03/20/25 15:54	1
Cobalt	<0.40		1.0	0.40	ug/L		03/12/25 08:23	03/20/25 15:54	1
Copper	**1.6**	**J**	2.0	0.50	ug/L		03/12/25 08:23	03/20/25 15:54	1
Iron	**160**		100	47	ug/L		03/12/25 08:23	03/20/25 15:54	1
Lead	<0.19		0.50	0.19	ug/L		03/12/25 08:23	03/20/25 15:54	1
Lithium	**4.4**	**J**	10	2.5	ug/L		03/12/25 08:23	03/20/25 15:54	1
Magnesium	**2900**		200	49	ug/L		03/12/25 08:23	03/20/25 15:54	1
Manganese	**15**		2.5	0.79	ug/L		03/12/25 08:23	03/20/25 15:54	1
Molybdenum	**17**		5.0	2.5	ug/L		03/12/25 08:23	03/20/25 15:54	1
Nickel	<0.63		2.0	0.63	ug/L		03/12/25 08:23	03/20/25 15:54	1
Potassium	**1200**		500	110	ug/L		03/12/25 08:23	03/20/25 15:54	1
Selenium	**1.7**	**J**	2.5	0.98	ug/L		03/12/25 08:23	03/20/25 15:54	1
Silver	<0.12		0.50	0.12	ug/L		03/12/25 08:23	03/20/25 15:54	1
Sodium	**67000**		200	77	ug/L		03/12/25 08:23	03/20/25 15:54	1
Strontium	**800**		4.0	0.64	ug/L		03/12/25 08:23	03/20/25 15:54	1
Thallium	<0.57		2.0	0.57	ug/L		03/12/25 08:23	03/20/25 15:54	1
Tin	<1.3		5.0	1.3	ug/L		03/12/25 08:23	03/20/25 15:54	1
Vanadium	<2.2		5.0	2.2	ug/L		03/12/25 08:23	03/20/25 15:54	1
Zinc	<6.9		20	6.9	ug/L		03/12/25 08:23	03/20/25 15:54	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**120**		0.91	0.46	mg/L		03/12/25 08:23	03/21/25 08:50	1

Client Sample Results

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264885-1

Client Sample ID: MW-41_202503004_FBLL
Date Collected: 03/04/25 15:15
Date Received: 03/07/25 09:10

Lab Sample ID: 500-264885-23
Matrix: Water

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.21	J	0.50	0.20	ng/L			03/17/25 19:16	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264885-1

Client Sample ID: MW-38_20250304

Date Collected: 03/04/25 09:40
Date Received: 03/07/25 09:10

Lab Sample ID: 500-264885-24

Matrix: Water

Method: EPA 1630 - Methyl Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		03/26/25 12:10	03/26/25 19:41	1

Method: EPA 1630 - Methyl Mercury - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		03/26/25 12:10	03/26/25 19:51	1

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.59**		0.50	0.20	ng/L			03/17/25 19:20	1

Method: EPA 1631E - Mercury, Low Level (CVAFS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.43**	**J**	0.50	0.20	ng/L			03/17/25 19:24	1

Method: EPA 1638 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**3.6**	**B**	0.050	0.0098	ug/L		03/14/25 11:45	03/15/25 04:31	1

Method: EPA 1638 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**4.4**		0.050	0.0098	ug/L		03/14/25 11:45	03/15/25 03:11	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**30**	**J**	100	25	ug/L		03/12/25 08:23	03/20/25 15:56	1
Antimony	<1.3		3.0	1.3	ug/L		03/12/25 08:23	03/20/25 15:56	1
Arsenic	**0.66**	**J**	1.0	0.23	ug/L		03/12/25 08:23	03/20/25 15:56	1
Barium	**86**		2.5	0.73	ug/L		03/12/25 08:23	03/20/25 15:56	1
Beryllium	<0.53		1.0	0.53	ug/L		03/12/25 08:23	03/20/25 15:56	1
Boron	**420**		50	13	ug/L		03/12/25 08:23	03/20/25 15:56	1
Cadmium	<0.17		0.50	0.17	ug/L		03/12/25 08:23	03/20/25 15:56	1
Calcium	**33000**		200	44	ug/L		03/12/25 08:23	03/20/25 15:56	1
Chromium	<1.1		5.0	1.1	ug/L		03/12/25 08:23	03/20/25 15:56	1
Cobalt	<0.40		1.0	0.40	ug/L		03/12/25 08:23	03/20/25 15:56	1
Copper	**2.1**		2.0	0.50	ug/L		03/12/25 08:23	03/20/25 15:56	1
Iron	**57**	**J**	100	47	ug/L		03/12/25 08:23	03/20/25 15:56	1
Lead	<0.19		0.50	0.19	ug/L		03/12/25 08:23	03/20/25 15:56	1
Lithium	**30**		10	2.5	ug/L		03/12/25 08:23	03/20/25 15:56	1
Magnesium	**2300**		200	49	ug/L		03/12/25 08:23	03/20/25 15:56	1
Manganese	**75**		2.5	0.79	ug/L		03/12/25 08:23	03/20/25 15:56	1
Molybdenum	**29**		5.0	2.5	ug/L		03/12/25 08:23	03/20/25 15:56	1
Nickel	<0.63		2.0	0.63	ug/L		03/12/25 08:23	03/20/25 15:56	1
Potassium	**920**		500	110	ug/L		03/12/25 08:23	03/20/25 15:56	1
Selenium	**1.4**	**J**	2.5	0.98	ug/L		03/12/25 08:23	03/20/25 15:56	1
Silver	<0.12		0.50	0.12	ug/L		03/12/25 08:23	03/20/25 15:56	1
Sodium	**97000**		200	77	ug/L		03/12/25 08:23	03/20/25 15:56	1
Strontium	**570**		4.0	0.64	ug/L		03/12/25 08:23	03/20/25 15:56	1
Thallium	<0.57		2.0	0.57	ug/L		03/12/25 08:23	03/20/25 15:56	1
Tin	<1.3		5.0	1.3	ug/L		03/12/25 08:23	03/20/25 15:56	1
Vanadium	**7.5**		5.0	2.2	ug/L		03/12/25 08:23	03/20/25 15:56	1
Zinc	<6.9		20	6.9	ug/L		03/12/25 08:23	03/20/25 15:56	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264885-1

Client Sample ID: MW-38_20250304

Date Collected: 03/04/25 09:40
Date Received: 03/07/25 09:10

Lab Sample ID: 500-264885-24

Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<25		100	25	ug/L		03/12/25 08:23	03/20/25 15:58	1
Antimony	<1.3		3.0	1.3	ug/L		03/12/25 08:23	03/20/25 15:58	1
Arsenic	**0.64**	**J**	1.0	0.23	ug/L		03/12/25 08:23	03/20/25 15:58	1
Barium	**80**		2.5	0.73	ug/L		03/12/25 08:23	03/20/25 15:58	1
Beryllium	<0.53		1.0	0.53	ug/L		03/12/25 08:23	03/20/25 15:58	1
Boron	**400**		50	13	ug/L		03/12/25 08:23	03/20/25 15:58	1
Cadmium	<0.17		0.50	0.17	ug/L		03/12/25 08:23	03/20/25 15:58	1
Calcium	**34000**		200	44	ug/L		03/12/25 08:23	03/20/25 15:58	1
Chromium	<1.1		5.0	1.1	ug/L		03/12/25 08:23	03/20/25 15:58	1
Cobalt	<0.40		1.0	0.40	ug/L		03/12/25 08:23	03/20/25 15:58	1
Copper	**1.0**	**J**	2.0	0.50	ug/L		03/12/25 08:23	03/20/25 15:58	1
Iron	<47		100	47	ug/L		03/12/25 08:23	03/20/25 15:58	1
Lead	<0.19		0.50	0.19	ug/L		03/12/25 08:23	03/20/25 15:58	1
Lithium	**31**		10	2.5	ug/L		03/12/25 08:23	03/20/25 15:58	1
Magnesium	**2600**		200	49	ug/L		03/12/25 08:23	03/20/25 15:58	1
Manganese	**1.6**	**J**	2.5	0.79	ug/L		03/12/25 08:23	03/20/25 15:58	1
Molybdenum	**26**		5.0	2.5	ug/L		03/12/25 08:23	03/20/25 15:58	1
Nickel	<0.63		2.0	0.63	ug/L		03/12/25 08:23	03/20/25 15:58	1
Potassium	**910**		500	110	ug/L		03/12/25 08:23	03/20/25 15:58	1
Selenium	**1.5**	**J**	2.5	0.98	ug/L		03/12/25 08:23	03/20/25 15:58	1
Silver	<0.12		0.50	0.12	ug/L		03/12/25 08:23	03/20/25 15:58	1
Sodium	**93000**		200	77	ug/L		03/12/25 08:23	03/20/25 15:58	1
Strontium	**580**		4.0	0.64	ug/L		03/12/25 08:23	03/20/25 15:58	1
Thallium	<0.57		2.0	0.57	ug/L		03/12/25 08:23	03/20/25 15:58	1
Tin	<1.3		5.0	1.3	ug/L		03/12/25 08:23	03/20/25 15:58	1
Vanadium	**7.1**		5.0	2.2	ug/L		03/12/25 08:23	03/20/25 15:58	1
Zinc	<6.9		20	6.9	ug/L		03/12/25 08:23	03/20/25 15:58	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**92**		0.91	0.46	mg/L		03/12/25 08:23	03/21/25 08:50	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	<0.45		1.0	0.45	mg/L			03/08/25 08:16	1
Nitrate as N (EPA 300.0)	**4.0**	**H3**	1.0	0.37	mg/L			03/08/25 08:16	1
Chloride (EPA 300.0)	**78**		1.0	0.42	mg/L			03/08/25 08:16	1
Nitrite as N (EPA 300.0)	<0.25	H3	1.0	0.25	mg/L			03/08/25 08:16	1
Fluoride (EPA 300.0)	**0.86**	**J**	1.0	0.43	mg/L			03/08/25 08:16	1
Nitrate Nitrite as N (EPA 300.0)	**4.0**	**H3**	1.0	0.37	mg/L			03/08/25 08:16	1
Sulfate (EPA 300.0)	**27**		1.0	0.47	mg/L			03/08/25 08:16	1
Cyanide, Total (EPA 335.4)	<0.0036		0.0050	0.0036	mg/L		03/09/25 11:21	03/09/25 13:05	1
Ammonia (EPA 350.1)	<0.10		0.20	0.10	mg/L		03/21/25 12:37	03/21/25 17:36	1
Phosphorus as P (EPA 365.1)	<0.024		0.050	0.024	mg/L		03/13/25 07:45	03/13/25 16:07	1
Alkalinity (SM 2320B)	**150**	**B**	5.0	3.7	mg/L			03/16/25 12:15	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**150**	**B**	5.0	3.7	mg/L			03/16/25 12:15	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<3.7		5.0	3.7	mg/L			03/16/25 12:15	1
Salinity (SM 2520B)	<0.33		0.33	0.33	psu			03/26/25 09:02	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264885-1

Client Sample ID: MW-38_20250304
Date Collected: 03/04/25 09:40
Date Received: 03/07/25 09:10

Lab Sample ID: 500-264885-24
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**280**		10	4.3	mg/L			03/11/25 03:22	1
Total Suspended Solids (SM 2540D)	<1.9		5.0	1.9	mg/L			03/11/25 10:03	1
Sulfide (SM 4500 S2 F)	<0.23		1.0	0.23	mg/L			03/10/25 05:05	1
Total Organic Carbon (SM 5310C)	**1.6**		1.0	0.47	mg/L			03/20/25 00:10	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon (SM 5310C)	**1.7**		1.0	0.47	mg/L			03/20/25 09:18	1

Client Sample Results

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264885-1

Client Sample ID: MW-38_20250304_FBLL
Date Collected: 03/04/25 09:40
Date Received: 03/07/25 09:10

Lab Sample ID: 500-264885-25
Matrix: Water

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.26	J	0.50	0.20	ng/L			03/17/25 19:28	1

Definitions/Glossary

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264885-1

Qualifiers

Metals

Qualifier	Qualifier Description
^+	Continuing Calibration Verification (CCV) is outside acceptance limits, high biased.
^2	Calibration Blank (ICB and/or CCB) is outside acceptance limits.
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
F1	MS and/or MSD recovery exceeds control limits.
H3	Sample was received and analyzed past holding time. This does not meet regulatory requirements.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Metals

Analysis Batch: 5523

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264885-19	FB-02_20250304_FBLL	Total/NA	Water	1631E	
500-264885-20	MW-42_20250304	Total/NA	Water	1631E	
500-264885-21	MW-42_20250304_FBLL	Total/NA	Water	1631E	
MB 350-5523/17	Method Blank	Total/NA	Water	1631E	
MB 350-5523/18	Method Blank	Total/NA	Water	1631E	
MB 350-5523/21	Method Blank	Total/NA	Water	1631E	
LCS 350-5523/22	Lab Control Sample	Total/NA	Water	1631E	
LCSD 350-5523/23	Lab Control Sample Dup	Total/NA	Water	1631E	

Prep Batch: 5552

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264885-1	PTC-01_20250306	Dissolved	Water	1638	
500-264885-1	PTC-01_20250306	Total Recoverable	Water	1638	
500-264885-3	ARC-03_20250306	Dissolved	Water	1638	
500-264885-3	ARC-03_20250306	Total Recoverable	Water	1638	
500-264885-5	PNC-04_20250304	Dissolved	Water	1638	
500-264885-5	PNC-04_20250304	Total Recoverable	Water	1638	
500-264885-7	PRC-01_20250304	Dissolved	Water	1638	
500-264885-7	PRC-01_20250304	Total Recoverable	Water	1638	
500-264885-9	SMW-35B_20250306	Dissolved	Water	1638	
500-264885-9	SMW-35B_20250306	Total Recoverable	Water	1638	
500-264885-11	SMW-3_20250306	Dissolved	Water	1638	
500-264885-11	SMW-3_20250306	Total Recoverable	Water	1638	
500-264885-13	CBR-02_20250304	Dissolved	Water	1638	
500-264885-13	CBR-02_20250304	Total Recoverable	Water	1638	
500-264885-15	LKS-01_20250304	Dissolved	Water	1638	
500-264885-17	MW-37_20250304	Dissolved	Water	1638	
500-264885-20	MW-42_20250304	Dissolved	Water	1638	
500-264885-22	MW-41_202503004	Total Recoverable	Water	1638	
500-264885-24	MW-38_20250304	Dissolved	Water	1638	
MB 350-5552/1-A	Method Blank	Total Recoverable	Water	1638	
MB 350-5552/2-A	Method Blank	Total Recoverable	Water	1638	
LCS 350-5552/3-A	Lab Control Sample	Total Recoverable	Water	1638	
LCSD 350-5552/4-A	Lab Control Sample Dup	Total Recoverable	Water	1638	
500-264885-1 MS	PTC-01_20250306	Dissolved	Water	1638	
500-264885-1 MSD	PTC-01_20250306	Dissolved	Water	1638	
500-264885-11 MS	SMW-3_20250306	Dissolved	Water	1638	
500-264885-11 MSD	SMW-3_20250306	Dissolved	Water	1638	

Prep Batch: 5553

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264885-15	LKS-01_20250304	Total Recoverable	Water	1638	
500-264885-17	MW-37_20250304	Total Recoverable	Water	1638	
500-264885-20	MW-42_20250304	Total Recoverable	Water	1638	
500-264885-24	MW-38_20250304	Total Recoverable	Water	1638	
MB 350-5553/1-A	Method Blank	Total Recoverable	Water	1638	
MB 350-5553/2-A	Method Blank	Total Recoverable	Water	1638	
LCS 350-5553/3-A	Lab Control Sample	Total Recoverable	Water	1638	
LCSD 350-5553/4-A	Lab Control Sample Dup	Total Recoverable	Water	1638	
500-264885-15 MS	LKS-01_20250304	Total Recoverable	Water	1638	
500-264885-15 MSD	LKS-01_20250304	Total Recoverable	Water	1638	

Metals

Analysis Batch: 5599

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264885-1	PTC-01_20250306	Dissolved	Water	1638	5552
500-264885-1	PTC-01_20250306	Total Recoverable	Water	1638	5552
500-264885-3	ARC-03_20250306	Dissolved	Water	1638	5552
500-264885-3	ARC-03_20250306	Total Recoverable	Water	1638	5552
500-264885-5	PNC-04_20250304	Dissolved	Water	1638	5552
500-264885-5	PNC-04_20250304	Total Recoverable	Water	1638	5552
500-264885-7	PRC-01_20250304	Dissolved	Water	1638	5552
500-264885-7	PRC-01_20250304	Total Recoverable	Water	1638	5552
500-264885-9	SMW-35B_20250306	Dissolved	Water	1638	5552
500-264885-9	SMW-35B_20250306	Total Recoverable	Water	1638	5552
500-264885-11	SMW-3_20250306	Dissolved	Water	1638	5552
500-264885-11	SMW-3_20250306	Total Recoverable	Water	1638	5552
500-264885-13	CBR-02_20250304	Dissolved	Water	1638	5552
500-264885-13	CBR-02_20250304	Total Recoverable	Water	1638	5552
500-264885-15	LKS-01_20250304	Dissolved	Water	1638	5552
500-264885-15	LKS-01_20250304	Total Recoverable	Water	1638	5553
500-264885-17	MW-37_20250304	Dissolved	Water	1638	5552
500-264885-17	MW-37_20250304	Total Recoverable	Water	1638	5553
500-264885-20	MW-42_20250304	Dissolved	Water	1638	5552
500-264885-20	MW-42_20250304	Total Recoverable	Water	1638	5553
500-264885-22	MW-41_202503004	Total Recoverable	Water	1638	5552
500-264885-24	MW-38_20250304	Dissolved	Water	1638	5552
500-264885-24	MW-38_20250304	Total Recoverable	Water	1638	5553
MB 350-5552/1-A	Method Blank	Total Recoverable	Water	1638	5552
MB 350-5552/2-A	Method Blank	Total Recoverable	Water	1638	5552
MB 350-5553/1-A	Method Blank	Total Recoverable	Water	1638	5553
MB 350-5553/2-A	Method Blank	Total Recoverable	Water	1638	5553
LCS 350-5552/3-A	Lab Control Sample	Total Recoverable	Water	1638	5552
LCS 350-5553/3-A	Lab Control Sample	Total Recoverable	Water	1638	5553
LCSD 350-5552/4-A	Lab Control Sample Dup	Total Recoverable	Water	1638	5552
LCSD 350-5553/4-A	Lab Control Sample Dup	Total Recoverable	Water	1638	5553
500-264885-1 MS	PTC-01_20250306	Dissolved	Water	1638	5552
500-264885-1 MSD	PTC-01_20250306	Dissolved	Water	1638	5552
500-264885-11 MS	SMW-3_20250306	Dissolved	Water	1638	5552
500-264885-11 MSD	SMW-3_20250306	Dissolved	Water	1638	5552
500-264885-15 MS	LKS-01_20250304	Total Recoverable	Water	1638	5553
500-264885-15 MSD	LKS-01_20250304	Total Recoverable	Water	1638	5553

Analysis Batch: 5615

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264885-15	LKS-01_20250304	Dissolved	Water	1631E	
500-264885-15	LKS-01_20250304	Total/NA	Water	1631E	
500-264885-16	LKS-01_20250304_FBLL	Total/NA	Water	1631E	
500-264885-17	MW-37_20250304	Dissolved	Water	1631E	
500-264885-17	MW-37_20250304	Total/NA	Water	1631E	
500-264885-18	MW-37_20250304_FBLL	Total/NA	Water	1631E	
500-264885-20	MW-42_20250304	Dissolved	Water	1631E	
500-264885-23	MW-41_202503004_FBLL	Total/NA	Water	1631E	
500-264885-24	MW-38_20250304	Dissolved	Water	1631E	
500-264885-24	MW-38_20250304	Total/NA	Water	1631E	
500-264885-25	MW-38_20250304_FBLL	Total/NA	Water	1631E	

Metals (Continued)

Analysis Batch: 5615 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 350-5615/25	Method Blank	Total/NA	Water	1631E	
MB 350-5615/26	Method Blank	Total/NA	Water	1631E	
MB 350-5615/27	Method Blank	Total/NA	Water	1631E	
LCS 350-5615/32	Lab Control Sample	Total/NA	Water	1631E	
LCSD 350-5615/35	Lab Control Sample Dup	Total/NA	Water	1631E	

Filtration Batch: 5672

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 350-5672/1-B	Method Blank	Dissolved	Water	Filtration	

Prep Batch: 5686

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264885-15	LKS-01_20250304	Dissolved	Water	1630	
500-264885-15	LKS-01_20250304	Total/NA	Water	1630	
500-264885-17	MW-37_20250304	Dissolved	Water	1630	
500-264885-17	MW-37_20250304	Total/NA	Water	1630	
MB 350-5686/1-A	Method Blank	Total/NA	Water	1630	
MB 350-5686/2-A	Method Blank	Total/NA	Water	1630	
MB 350-5686/3-A	Method Blank	Total/NA	Water	1630	
LCS 350-5686/4-A	Lab Control Sample	Total/NA	Water	1630	
LCSD 350-5686/5-A	Lab Control Sample Dup	Total/NA	Water	1630	

Analysis Batch: 5728

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264885-15	LKS-01_20250304	Dissolved	Water	1630	5686
500-264885-15	LKS-01_20250304	Total/NA	Water	1630	5686
500-264885-17	MW-37_20250304	Dissolved	Water	1630	5686
500-264885-17	MW-37_20250304	Total/NA	Water	1630	5686
MB 350-5686/1-A	Method Blank	Total/NA	Water	1630	5686
MB 350-5686/2-A	Method Blank	Total/NA	Water	1630	5686
MB 350-5686/3-A	Method Blank	Total/NA	Water	1630	5686
LCS 350-5686/4-A	Lab Control Sample	Total/NA	Water	1630	5686
LCSD 350-5686/5-A	Lab Control Sample Dup	Total/NA	Water	1630	5686

Prep Batch: 5791

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264885-20	MW-42_20250304	Dissolved	Water	1630	
500-264885-20	MW-42_20250304	Total/NA	Water	1630	
500-264885-24	MW-38_20250304	Dissolved	Water	1630	
500-264885-24	MW-38_20250304	Total/NA	Water	1630	
MB 350-5672/1-B	Method Blank	Dissolved	Water	1630	5672
MB 350-5791/1-A	Method Blank	Total/NA	Water	1630	
MB 350-5791/2-A	Method Blank	Total/NA	Water	1630	
MB 350-5791/3-A	Method Blank	Total/NA	Water	1630	
LCS 350-5791/4-A	Lab Control Sample	Total/NA	Water	1630	
LCSD 350-5791/5-A	Lab Control Sample Dup	Total/NA	Water	1630	

Prep Batch: 5821

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264885-1	PTC-01_20250306	Dissolved	Water	1630	
500-264885-1	PTC-01_20250306	Total/NA	Water	1630	

Metals (Continued)

Prep Batch: 5821 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264885-3	ARC-03_20250306	Dissolved	Water	1630	
500-264885-3	ARC-03_20250306	Total/NA	Water	1630	
500-264885-5	PNC-04_20250304	Dissolved	Water	1630	
500-264885-5	PNC-04_20250304	Total/NA	Water	1630	
500-264885-7	PRC-01_20250304	Dissolved	Water	1630	
500-264885-7	PRC-01_20250304	Total/NA	Water	1630	
500-264885-9	SMW-35B_20250306	Dissolved	Water	1630	
500-264885-9	SMW-35B_20250306	Total/NA	Water	1630	
500-264885-11	SMW-3_20250306	Dissolved	Water	1630	
500-264885-11	SMW-3_20250306	Total/NA	Water	1630	
500-264885-13	CBR-02_20250304	Dissolved	Water	1630	
MB 350-5821/1-A	Method Blank	Total/NA	Water	1630	
MB 350-5821/2-A	Method Blank	Total/NA	Water	1630	
MB 350-5821/3-A	Method Blank	Total/NA	Water	1630	
LCS 350-5821/4-A	Lab Control Sample	Total/NA	Water	1630	
LCSD 350-5821/5-A	Lab Control Sample Dup	Total/NA	Water	1630	
500-264885-9 MS	SMW-35B_20250306	Total/NA	Water	1630	
500-264885-9 MSD	SMW-35B_20250306	Total/NA	Water	1630	

Analysis Batch: 5830

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264885-1	PTC-01_20250306	Dissolved	Water	1631E	
500-264885-1	PTC-01_20250306	Total/NA	Water	1631E	
500-264885-2	PTC-01_20250306_FBLL	Total/NA	Water	1631E	
500-264885-3	ARC-03_20250306	Dissolved	Water	1631E	
500-264885-3	ARC-03_20250306	Total/NA	Water	1631E	
500-264885-4	ARC-03_20250306_FBLL	Total/NA	Water	1631E	
500-264885-5	PNC-04_20250304	Dissolved	Water	1631E	
500-264885-5	PNC-04_20250304	Total/NA	Water	1631E	
500-264885-6	PNC-04_20250304_FBLL	Total/NA	Water	1631E	
MB 350-5830/40	Method Blank	Total/NA	Water	1631E	
MB 350-5830/41	Method Blank	Total/NA	Water	1631E	
MB 350-5830/42	Method Blank	Total/NA	Water	1631E	
MB 350-5830/60	Method Blank	Total/NA	Water	1631E	
MB 350-5830/61	Method Blank	Total/NA	Water	1631E	
MB 350-5830/62	Method Blank	Total/NA	Water	1631E	
LCS 350-5830/43	Lab Control Sample	Total/NA	Water	1631E	
LCS 350-5830/64	Lab Control Sample	Total/NA	Water	1631E	
LCSD 350-5830/46	Lab Control Sample Dup	Total/NA	Water	1631E	
LCSD 350-5830/65	Lab Control Sample Dup	Total/NA	Water	1631E	

Analysis Batch: 5863

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264885-1	PTC-01_20250306	Dissolved	Water	1630	5821
500-264885-1	PTC-01_20250306	Total/NA	Water	1630	5821
500-264885-3	ARC-03_20250306	Dissolved	Water	1630	5821
500-264885-3	ARC-03_20250306	Total/NA	Water	1630	5821
500-264885-5	PNC-04_20250304	Dissolved	Water	1630	5821
500-264885-5	PNC-04_20250304	Total/NA	Water	1630	5821
500-264885-7	PRC-01_20250304	Dissolved	Water	1630	5821
500-264885-7	PRC-01_20250304	Total/NA	Water	1630	5821

Metals (Continued)

Analysis Batch: 5863 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264885-9	SMW-35B_20250306	Dissolved	Water	1630	5821
500-264885-9	SMW-35B_20250306	Total/NA	Water	1630	5821
500-264885-11	SMW-3_20250306	Dissolved	Water	1630	5821
500-264885-11	SMW-3_20250306	Total/NA	Water	1630	5821
500-264885-13	CBR-02_20250304	Dissolved	Water	1630	5821
500-264885-20	MW-42_20250304	Dissolved	Water	1630	5791
500-264885-20	MW-42_20250304	Total/NA	Water	1630	5791
500-264885-24	MW-38_20250304	Dissolved	Water	1630	5791
500-264885-24	MW-38_20250304	Total/NA	Water	1630	5791
MB 350-5672/1-B	Method Blank	Dissolved	Water	1630	5791
MB 350-5791/1-A	Method Blank	Total/NA	Water	1630	5791
MB 350-5791/2-A	Method Blank	Total/NA	Water	1630	5791
MB 350-5791/3-A	Method Blank	Total/NA	Water	1630	5791
MB 350-5821/1-A	Method Blank	Total/NA	Water	1630	5821
MB 350-5821/2-A	Method Blank	Total/NA	Water	1630	5821
MB 350-5821/3-A	Method Blank	Total/NA	Water	1630	5821
LCS 350-5791/4-A	Lab Control Sample	Total/NA	Water	1630	5791
LCS 350-5821/4-A	Lab Control Sample	Total/NA	Water	1630	5821
LCSD 350-5791/5-A	Lab Control Sample Dup	Total/NA	Water	1630	5791
LCSD 350-5821/5-A	Lab Control Sample Dup	Total/NA	Water	1630	5821
500-264885-9 MS	SMW-35B_20250306	Total/NA	Water	1630	5821
500-264885-9 MSD	SMW-35B_20250306	Total/NA	Water	1630	5821

Prep Batch: 5875

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264885-13	CBR-02_20250304	Total/NA	Water	1630	
MB 350-5875/1-A	Method Blank	Total/NA	Water	1630	
MB 350-5875/2-A	Method Blank	Total/NA	Water	1630	
MB 350-5875/3-A	Method Blank	Total/NA	Water	1630	
LCS 350-5875/4-A	Lab Control Sample	Total/NA	Water	1630	
LCSD 350-5875/5-A	Lab Control Sample Dup	Total/NA	Water	1630	

Analysis Batch: 5876

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264885-7	PRC-01_20250304	Dissolved	Water	1631E	
500-264885-7	PRC-01_20250304	Total/NA	Water	1631E	
500-264885-8	PRC-01_20250304_FBLL	Total/NA	Water	1631E	
500-264885-9	SMW-35B_20250306	Dissolved	Water	1631E	
500-264885-9	SMW-35B_20250306	Total/NA	Water	1631E	
500-264885-10	SMW-35B_20250306_FBLL	Total/NA	Water	1631E	
500-264885-11	SMW-3_20250306	Dissolved	Water	1631E	
500-264885-11	SMW-3_20250306	Total/NA	Water	1631E	
500-264885-12	SMW-3_20250306_FBLL	Total/NA	Water	1631E	
500-264885-13	CBR-02_20250304	Dissolved	Water	1631E	
500-264885-13	CBR-02_20250304	Total/NA	Water	1631E	
500-264885-14	CBR-02_20250304_FBLL	Total/NA	Water	1631E	
MB 350-5876/19	Method Blank	Total/NA	Water	1631E	
MB 350-5876/20	Method Blank	Total/NA	Water	1631E	
MB 350-5876/23	Method Blank	Total/NA	Water	1631E	
LCS 350-5876/30	Lab Control Sample	Total/NA	Water	1631E	
LCSD 350-5876/31	Lab Control Sample Dup	Total/NA	Water	1631E	

Metals

Analysis Batch: 5914

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264885-13	CBR-02_20250304	Total/NA	Water	1630	5875
MB 350-5875/1-A	Method Blank	Total/NA	Water	1630	5875
MB 350-5875/2-A	Method Blank	Total/NA	Water	1630	5875
MB 350-5875/3-A	Method Blank	Total/NA	Water	1630	5875
LCS 350-5875/4-A	Lab Control Sample	Total/NA	Water	1630	5875
LCSD 350-5875/5-A	Lab Control Sample Dup	Total/NA	Water	1630	5875

Prep Batch: 809538

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264885-1	PTC-01_20250306	Dissolved	Water	3005A	
500-264885-1	PTC-01_20250306	Total Recoverable	Water	3005A	
500-264885-3	ARC-03_20250306	Dissolved	Water	3005A	
500-264885-3	ARC-03_20250306	Total Recoverable	Water	3005A	
500-264885-5	PNC-04_20250304	Dissolved	Water	3005A	
500-264885-5	PNC-04_20250304	Total Recoverable	Water	3005A	
500-264885-7	PRC-01_20250304	Dissolved	Water	3005A	
500-264885-7	PRC-01_20250304	Total Recoverable	Water	3005A	
500-264885-9	SMW-35B_20250306	Dissolved	Water	3005A	
500-264885-9	SMW-35B_20250306	Total Recoverable	Water	3005A	
500-264885-11	SMW-3_20250306	Dissolved	Water	3005A	
500-264885-11	SMW-3_20250306	Total Recoverable	Water	3005A	
500-264885-13	CBR-02_20250304	Dissolved	Water	3005A	
500-264885-13	CBR-02_20250304	Total Recoverable	Water	3005A	
MB 500-809538/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 500-809538/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Prep Batch: 809590

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264885-15	LKS-01_20250304	Dissolved	Water	3005A	
500-264885-15	LKS-01_20250304	Total Recoverable	Water	3005A	
500-264885-17	MW-37_20250304	Dissolved	Water	3005A	
500-264885-17	MW-37_20250304	Total Recoverable	Water	3005A	
500-264885-20	MW-42_20250304	Dissolved	Water	3005A	
500-264885-20	MW-42_20250304	Total Recoverable	Water	3005A	
500-264885-22	MW-41_202503004	Total Recoverable	Water	3005A	
500-264885-24	MW-38_20250304	Dissolved	Water	3005A	
500-264885-24	MW-38_20250304	Total Recoverable	Water	3005A	
MB 500-809590/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 500-809590/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Analysis Batch: 810390

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264885-1	PTC-01_20250306	Dissolved	Water	6020B	809538
500-264885-1	PTC-01_20250306	Total Recoverable	Water	6020B	809538
500-264885-3	ARC-03_20250306	Dissolved	Water	6020B	809538
500-264885-3	ARC-03_20250306	Total Recoverable	Water	6020B	809538
500-264885-5	PNC-04_20250304	Dissolved	Water	6020B	809538
500-264885-5	PNC-04_20250304	Total Recoverable	Water	6020B	809538
500-264885-7	PRC-01_20250304	Dissolved	Water	6020B	809538
500-264885-7	PRC-01_20250304	Total Recoverable	Water	6020B	809538
500-264885-9	SMW-35B_20250306	Dissolved	Water	6020B	809538

Metals (Continued)

Analysis Batch: 810390 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264885-9	SMW-35B_20250306	Total Recoverable	Water	6020B	809538
500-264885-11	SMW-3_20250306	Dissolved	Water	6020B	809538
500-264885-11	SMW-3_20250306	Total Recoverable	Water	6020B	809538
500-264885-13	CBR-02_20250304	Dissolved	Water	6020B	809538
500-264885-13	CBR-02_20250304	Total Recoverable	Water	6020B	809538
MB 500-809538/1-A	Method Blank	Total Recoverable	Water	6020B	809538
LCS 500-809538/2-A	Lab Control Sample	Total Recoverable	Water	6020B	809538

Analysis Batch: 810437

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264885-1	PTC-01_20250306	Total Recoverable	Water	SM 2340B	809538
500-264885-3	ARC-03_20250306	Total Recoverable	Water	SM 2340B	809538
500-264885-5	PNC-04_20250304	Total Recoverable	Water	SM 2340B	809538
500-264885-7	PRC-01_20250304	Total Recoverable	Water	SM 2340B	809538
500-264885-9	SMW-35B_20250306	Total Recoverable	Water	SM 2340B	809538
500-264885-11	SMW-3_20250306	Total Recoverable	Water	SM 2340B	809538
500-264885-13	CBR-02_20250304	Total Recoverable	Water	SM 2340B	809538

Analysis Batch: 810729

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264885-15	LKS-01_20250304	Dissolved	Water	6020B	809590
500-264885-15	LKS-01_20250304	Total Recoverable	Water	6020B	809590
500-264885-17	MW-37_20250304	Dissolved	Water	6020B	809590
500-264885-17	MW-37_20250304	Total Recoverable	Water	6020B	809590
500-264885-20	MW-42_20250304	Dissolved	Water	6020B	809590
500-264885-20	MW-42_20250304	Total Recoverable	Water	6020B	809590
500-264885-22	MW-41_202503004	Total Recoverable	Water	6020B	809590
500-264885-24	MW-38_20250304	Dissolved	Water	6020B	809590
500-264885-24	MW-38_20250304	Total Recoverable	Water	6020B	809590
MB 500-809590/1-A	Method Blank	Total Recoverable	Water	6020B	809590
LCS 500-809590/2-A	Lab Control Sample	Total Recoverable	Water	6020B	809590

Analysis Batch: 810752

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264885-15	LKS-01_20250304	Total Recoverable	Water	SM 2340B	809590
500-264885-17	MW-37_20250304	Total Recoverable	Water	SM 2340B	809590
500-264885-20	MW-42_20250304	Total Recoverable	Water	SM 2340B	809590
500-264885-22	MW-41_202503004	Total Recoverable	Water	SM 2340B	809590
500-264885-24	MW-38_20250304	Total Recoverable	Water	SM 2340B	809590

General Chemistry

Analysis Batch: 809127

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264885-1	PTC-01_20250306	Total/NA	Water	300.0	
500-264885-3	ARC-03_20250306	Total/NA	Water	300.0	
500-264885-5	PNC-04_20250304	Total/NA	Water	300.0	
500-264885-7	PRC-01_20250304	Total/NA	Water	300.0	
500-264885-9	SMW-35B_20250306	Total/NA	Water	300.0	
500-264885-11	SMW-3_20250306	Total/NA	Water	300.0	
500-264885-13	CBR-02_20250304	Total/NA	Water	300.0	

General Chemistry (Continued)

Analysis Batch: 809127 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264885-15	LKS-01_20250304	Total/NA	Water	300.0	
500-264885-17	MW-37_20250304	Total/NA	Water	300.0	
500-264885-20	MW-42_20250304	Total/NA	Water	300.0	
500-264885-24	MW-38_20250304	Total/NA	Water	300.0	
MB 500-809127/3	Method Blank	Total/NA	Water	300.0	
LCS 500-809127/4	Lab Control Sample	Total/NA	Water	300.0	
500-264885-1 MS	PTC-01_20250306	Total/NA	Water	300.0	
500-264885-1 MSD	PTC-01_20250306	Total/NA	Water	300.0	

Analysis Batch: 809128

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264885-1	PTC-01_20250306	Total/NA	Water	300.0	
500-264885-3	ARC-03_20250306	Total/NA	Water	300.0	
500-264885-5	PNC-04_20250304	Total/NA	Water	300.0	
500-264885-7	PRC-01_20250304	Total/NA	Water	300.0	
500-264885-9	SMW-35B_20250306	Total/NA	Water	300.0	
500-264885-11	SMW-3_20250306	Total/NA	Water	300.0	
500-264885-13	CBR-02_20250304	Total/NA	Water	300.0	
500-264885-15	LKS-01_20250304	Total/NA	Water	300.0	
500-264885-17	MW-37_20250304	Total/NA	Water	300.0	
500-264885-20	MW-42_20250304	Total/NA	Water	300.0	
500-264885-24	MW-38_20250304	Total/NA	Water	300.0	
MB 500-809128/3	Method Blank	Total/NA	Water	300.0	
LCS 500-809128/4	Lab Control Sample	Total/NA	Water	300.0	
500-264885-1 MS	PTC-01_20250306	Total/NA	Water	300.0	
500-264885-1 MSD	PTC-01_20250306	Total/NA	Water	300.0	

Prep Batch: 809204

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264885-1	PTC-01_20250306	Total/NA	Water	Distill/CN	
500-264885-3	ARC-03_20250306	Total/NA	Water	Distill/CN	
500-264885-5	PNC-04_20250304	Total/NA	Water	Distill/CN	
500-264885-7	PRC-01_20250304	Total/NA	Water	Distill/CN	
500-264885-9	SMW-35B_20250306	Total/NA	Water	Distill/CN	
500-264885-11	SMW-3_20250306	Total/NA	Water	Distill/CN	
500-264885-13	CBR-02_20250304	Total/NA	Water	Distill/CN	
500-264885-15	LKS-01_20250304	Total/NA	Water	Distill/CN	
500-264885-17	MW-37_20250304	Total/NA	Water	Distill/CN	
500-264885-20	MW-42_20250304	Total/NA	Water	Distill/CN	
500-264885-24	MW-38_20250304	Total/NA	Water	Distill/CN	
MB 500-809204/1-A	Method Blank	Total/NA	Water	Distill/CN	
LCS 500-809204/2-A	Lab Control Sample	Total/NA	Water	Distill/CN	
500-264885-24 MS	MW-38_20250304	Total/NA	Water	Distill/CN	
500-264885-24 MSD	MW-38_20250304	Total/NA	Water	Distill/CN	

Analysis Batch: 809210

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264885-5	PNC-04_20250304	Total/NA	Water	SM 4500 S2 F	
500-264885-7	PRC-01_20250304	Total/NA	Water	SM 4500 S2 F	
500-264885-13	CBR-02_20250304	Total/NA	Water	SM 4500 S2 F	
500-264885-15	LKS-01_20250304	Total/NA	Water	SM 4500 S2 F	

General Chemistry (Continued)

Analysis Batch: 809210 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264885-17	MW-37_20250304	Total/NA	Water	SM 4500 S2 F	
500-264885-20	MW-42_20250304	Total/NA	Water	SM 4500 S2 F	
500-264885-24	MW-38_20250304	Total/NA	Water	SM 4500 S2 F	
MB 500-809210/1	Method Blank	Total/NA	Water	SM 4500 S2 F	
LCS 500-809210/2	Lab Control Sample	Total/NA	Water	SM 4500 S2 F	

Analysis Batch: 809211

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264885-1	PTC-01_20250306	Total/NA	Water	335.4	809204
500-264885-3	ARC-03_20250306	Total/NA	Water	335.4	809204
500-264885-5	PNC-04_20250304	Total/NA	Water	335.4	809204
500-264885-7	PRC-01_20250304	Total/NA	Water	335.4	809204
500-264885-9	SMW-35B_20250306	Total/NA	Water	335.4	809204
500-264885-11	SMW-3_20250306	Total/NA	Water	335.4	809204
500-264885-13	CBR-02_20250304	Total/NA	Water	335.4	809204
500-264885-15	LKS-01_20250304	Total/NA	Water	335.4	809204
500-264885-17	MW-37_20250304	Total/NA	Water	335.4	809204
500-264885-20	MW-42_20250304	Total/NA	Water	335.4	809204
500-264885-24	MW-38_20250304	Total/NA	Water	335.4	809204
MB 500-809204/1-A	Method Blank	Total/NA	Water	335.4	809204
LCS 500-809204/2-A	Lab Control Sample	Total/NA	Water	335.4	809204
500-264885-24 MS	MW-38_20250304	Total/NA	Water	335.4	809204
500-264885-24 MSD	MW-38_20250304	Total/NA	Water	335.4	809204

Prep Batch: 809361

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264885-1	PTC-01_20250306	Total/NA	Water	365.2/365.3/365	
500-264885-3	ARC-03_20250306	Total/NA	Water	365.2/365.3/365	
500-264885-5	PNC-04_20250304	Total/NA	Water	365.2/365.3/365	
500-264885-7	PRC-01_20250304	Total/NA	Water	365.2/365.3/365	
500-264885-9	SMW-35B_20250306	Total/NA	Water	365.2/365.3/365	
500-264885-11	SMW-3_20250306	Total/NA	Water	365.2/365.3/365	
MB 500-809361/1-A	Method Blank	Total/NA	Water	365.2/365.3/365	
LCS 500-809361/2-A	Lab Control Sample	Total/NA	Water	365.2/365.3/365	

Analysis Batch: 809373

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264885-1	PTC-01_20250306	Total/NA	Water	SM 4500 S2 F	
500-264885-3	ARC-03_20250306	Total/NA	Water	SM 4500 S2 F	
500-264885-9	SMW-35B_20250306	Total/NA	Water	SM 4500 S2 F	
500-264885-11	SMW-3_20250306	Total/NA	Water	SM 4500 S2 F	
MB 500-809373/1	Method Blank	Total/NA	Water	SM 4500 S2 F	
LCS 500-809373/2	Lab Control Sample	Total/NA	Water	SM 4500 S2 F	

Analysis Batch: 809374

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264885-1	PTC-01_20250306	Total/NA	Water	SM 2540C	
500-264885-3	ARC-03_20250306	Total/NA	Water	SM 2540C	
500-264885-5	PNC-04_20250304	Total/NA	Water	SM 2540C	
500-264885-7	PRC-01_20250304	Total/NA	Water	SM 2540C	
500-264885-9	SMW-35B_20250306	Total/NA	Water	SM 2540C	

General Chemistry (Continued)

Analysis Batch: 809374 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264885-11	SMW-3_20250306	Total/NA	Water	SM 2540C	
MB 500-809374/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-809374/2	Lab Control Sample	Total/NA	Water	SM 2540C	

Analysis Batch: 809375

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264885-13	CBR-02_20250304	Total/NA	Water	SM 2540C	
500-264885-15	LKS-01_20250304	Total/NA	Water	SM 2540C	
500-264885-17	MW-37_20250304	Total/NA	Water	SM 2540C	
500-264885-20	MW-42_20250304	Total/NA	Water	SM 2540C	
500-264885-24	MW-38_20250304	Total/NA	Water	SM 2540C	
MB 500-809375/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-809375/2	Lab Control Sample	Total/NA	Water	SM 2540C	
500-264885-13 MS	CBR-02_20250304	Total/NA	Water	SM 2540C	
500-264885-13 DU	CBR-02_20250304	Total/NA	Water	SM 2540C	
500-264885-15 DU	LKS-01_20250304	Total/NA	Water	SM 2540C	

Analysis Batch: 809437

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264885-5	PNC-04_20250304	Total/NA	Water	SM 2540D	
500-264885-7	PRC-01_20250304	Total/NA	Water	SM 2540D	
500-264885-13	CBR-02_20250304	Total/NA	Water	SM 2540D	
500-264885-15	LKS-01_20250304	Total/NA	Water	SM 2540D	
500-264885-17	MW-37_20250304	Total/NA	Water	SM 2540D	
500-264885-20	MW-42_20250304	Total/NA	Water	SM 2540D	
500-264885-24	MW-38_20250304	Total/NA	Water	SM 2540D	
MB 500-809437/1	Method Blank	Total/NA	Water	SM 2540D	
LCS 500-809437/2	Lab Control Sample	Total/NA	Water	SM 2540D	
500-264885-24 MS	MW-38_20250304	Total/NA	Water	SM 2540D	

Analysis Batch: 809670

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264885-1	PTC-01_20250306	Total/NA	Water	SM 2540D	
500-264885-3	ARC-03_20250306	Total/NA	Water	SM 2540D	
500-264885-9	SMW-35B_20250306	Total/NA	Water	SM 2540D	
500-264885-11	SMW-3_20250306	Total/NA	Water	SM 2540D	
MB 500-809670/1	Method Blank	Total/NA	Water	SM 2540D	
LCS 500-809670/2	Lab Control Sample	Total/NA	Water	SM 2540D	

Prep Batch: 809703

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264885-13	CBR-02_20250304	Total/NA	Water	365.2/365.3/365	
500-264885-15	LKS-01_20250304	Total/NA	Water	365.2/365.3/365	
500-264885-17	MW-37_20250304	Total/NA	Water	365.2/365.3/365	
500-264885-20	MW-42_20250304	Total/NA	Water	365.2/365.3/365	
500-264885-24	MW-38_20250304	Total/NA	Water	365.2/365.3/365	
MB 500-809703/1-A	Method Blank	Total/NA	Water	365.2/365.3/365	
LCS 500-809703/2-A	Lab Control Sample	Total/NA	Water	365.2/365.3/365	

General Chemistry

Analysis Batch: 809855

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264885-1	PTC-01_20250306	Total/NA	Water	365.1	809361
500-264885-3	ARC-03_20250306	Total/NA	Water	365.1	809361
500-264885-5	PNC-04_20250304	Total/NA	Water	365.1	809361
500-264885-7	PRC-01_20250304	Total/NA	Water	365.1	809361
500-264885-9	SMW-35B_20250306	Total/NA	Water	365.1	809361
500-264885-11	SMW-3_20250306	Total/NA	Water	365.1	809361
MB 500-809361/1-A	Method Blank	Total/NA	Water	365.1	809361
LCS 500-809361/2-A	Lab Control Sample	Total/NA	Water	365.1	809361

Analysis Batch: 809870

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264885-13	CBR-02_20250304	Total/NA	Water	365.1	809703
500-264885-15	LKS-01_20250304	Total/NA	Water	365.1	809703
500-264885-17	MW-37_20250304	Total/NA	Water	365.1	809703
500-264885-20	MW-42_20250304	Total/NA	Water	365.1	809703
500-264885-24	MW-38_20250304	Total/NA	Water	365.1	809703
MB 500-809703/1-A	Method Blank	Total/NA	Water	365.1	809703
LCS 500-809703/2-A	Lab Control Sample	Total/NA	Water	365.1	809703

Analysis Batch: 810035

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264885-5	PNC-04_20250304	Total/NA	Water	SM 2320B	
500-264885-7	PRC-01_20250304	Total/NA	Water	SM 2320B	
500-264885-13	CBR-02_20250304	Total/NA	Water	SM 2320B	
500-264885-15	LKS-01_20250304	Total/NA	Water	SM 2320B	
500-264885-17	MW-37_20250304	Total/NA	Water	SM 2320B	
500-264885-20	MW-42_20250304	Total/NA	Water	SM 2320B	
500-264885-24	MW-38_20250304	Total/NA	Water	SM 2320B	
MB 500-810035/28	Method Blank	Total/NA	Water	SM 2320B	
LCS 500-810035/4	Lab Control Sample	Total/NA	Water	SM 2320B	
500-264885-7 DU	PRC-01_20250304	Total/NA	Water	SM 2320B	

Analysis Batch: 810189

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264885-1	PTC-01_20250306	Total/NA	Water	SM 2320B	
500-264885-3	ARC-03_20250306	Total/NA	Water	SM 2320B	
500-264885-9	SMW-35B_20250306	Total/NA	Water	SM 2320B	
500-264885-11	SMW-3_20250306	Total/NA	Water	SM 2320B	
MB 500-810189/25	Method Blank	Total/NA	Water	SM 2320B	
LCS 500-810189/4	Lab Control Sample	Total/NA	Water	SM 2320B	
500-264885-9 DU	SMW-35B_20250306	Total/NA	Water	SM 2320B	

Analysis Batch: 810701

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264885-1	PTC-01_20250306	Total/NA	Water	SM 5310C	
500-264885-3	ARC-03_20250306	Total/NA	Water	SM 5310C	
500-264885-5	PNC-04_20250304	Total/NA	Water	SM 5310C	
500-264885-7	PRC-01_20250304	Total/NA	Water	SM 5310C	
500-264885-9	SMW-35B_20250306	Total/NA	Water	SM 5310C	
500-264885-11	SMW-3_20250306	Total/NA	Water	SM 5310C	
500-264885-13	CBR-02_20250304	Total/NA	Water	SM 5310C	

General Chemistry (Continued)

Analysis Batch: 810701 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264885-15	LKS-01_20250304	Total/NA	Water	SM 5310C	
500-264885-17	MW-37_20250304	Total/NA	Water	SM 5310C	
500-264885-20	MW-42_20250304	Total/NA	Water	SM 5310C	
500-264885-24	MW-38_20250304	Total/NA	Water	SM 5310C	
MB 500-810701/7	Method Blank	Total/NA	Water	SM 5310C	
LCS 500-810701/8	Lab Control Sample	Total/NA	Water	SM 5310C	
500-264885-1 MS	PTC-01_20250306	Total/NA	Water	SM 5310C	
500-264885-1 MSD	PTC-01_20250306	Total/NA	Water	SM 5310C	

Analysis Batch: 810702

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264885-1	PTC-01_20250306	Dissolved	Water	SM 5310C	
500-264885-3	ARC-03_20250306	Dissolved	Water	SM 5310C	
500-264885-5	PNC-04_20250304	Dissolved	Water	SM 5310C	
500-264885-7	PRC-01_20250304	Dissolved	Water	SM 5310C	
500-264885-9	SMW-35B_20250306	Dissolved	Water	SM 5310C	
500-264885-11	SMW-3_20250306	Dissolved	Water	SM 5310C	
500-264885-13	CBR-02_20250304	Dissolved	Water	SM 5310C	
500-264885-15	LKS-01_20250304	Dissolved	Water	SM 5310C	
500-264885-17	MW-37_20250304	Dissolved	Water	SM 5310C	
500-264885-20	MW-42_20250304	Dissolved	Water	SM 5310C	
500-264885-24	MW-38_20250304	Dissolved	Water	SM 5310C	
MB 500-810702/31	Method Blank	Dissolved	Water	SM 5310C	
MB 500-810702/7	Method Blank	Dissolved	Water	SM 5310C	
LCS 500-810702/32	Lab Control Sample	Dissolved	Water	SM 5310C	
LCS 500-810702/8	Lab Control Sample	Dissolved	Water	SM 5310C	
500-264885-11 MS	SMW-3_20250306	Dissolved	Water	SM 5310C	
500-264885-11 MSD	SMW-3_20250306	Dissolved	Water	SM 5310C	

Prep Batch: 810791

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264885-1	PTC-01_20250306	Total/NA	Water	Distill/Ammonia	
500-264885-3	ARC-03_20250306	Total/NA	Water	Distill/Ammonia	
500-264885-5	PNC-04_20250304	Total/NA	Water	Distill/Ammonia	
500-264885-7	PRC-01_20250304	Total/NA	Water	Distill/Ammonia	
500-264885-9	SMW-35B_20250306	Total/NA	Water	Distill/Ammonia	
500-264885-11	SMW-3_20250306	Total/NA	Water	Distill/Ammonia	
500-264885-13	CBR-02_20250304	Total/NA	Water	Distill/Ammonia	
500-264885-15	LKS-01_20250304	Total/NA	Water	Distill/Ammonia	
500-264885-17	MW-37_20250304	Total/NA	Water	Distill/Ammonia	
500-264885-20	MW-42_20250304	Total/NA	Water	Distill/Ammonia	
500-264885-24	MW-38_20250304	Total/NA	Water	Distill/Ammonia	
MB 500-810791/1-A	Method Blank	Total/NA	Water	Distill/Ammonia	
LCS 500-810791/2-A	Lab Control Sample	Total/NA	Water	Distill/Ammonia	

Analysis Batch: 810879

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264885-1	PTC-01_20250306	Total/NA	Water	350.1	810791
500-264885-3	ARC-03_20250306	Total/NA	Water	350.1	810791
500-264885-5	PNC-04_20250304	Total/NA	Water	350.1	810791
500-264885-7	PRC-01_20250304	Total/NA	Water	350.1	810791

General Chemistry (Continued)

Analysis Batch: 810879 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264885-9	SMW-35B_20250306	Total/NA	Water	350.1	810791
500-264885-11	SMW-3_20250306	Total/NA	Water	350.1	810791
500-264885-13	CBR-02_20250304	Total/NA	Water	350.1	810791
500-264885-15	LKS-01_20250304	Total/NA	Water	350.1	810791
500-264885-17	MW-37_20250304	Total/NA	Water	350.1	810791
500-264885-20	MW-42_20250304	Total/NA	Water	350.1	810791
500-264885-24	MW-38_20250304	Total/NA	Water	350.1	810791
MB 500-810791/1-A	Method Blank	Total/NA	Water	350.1	810791
LCS 500-810791/2-A	Lab Control Sample	Total/NA	Water	350.1	810791

Analysis Batch: 811285

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-264885-1	PTC-01_20250306	Total/NA	Water	SM 2520B	
500-264885-3	ARC-03_20250306	Total/NA	Water	SM 2520B	
500-264885-5	PNC-04_20250304	Total/NA	Water	SM 2520B	
500-264885-7	PRC-01_20250304	Total/NA	Water	SM 2520B	
500-264885-9	SMW-35B_20250306	Total/NA	Water	SM 2520B	
500-264885-11	SMW-3_20250306	Total/NA	Water	SM 2520B	
500-264885-13	CBR-02_20250304	Total/NA	Water	SM 2520B	
500-264885-15	LKS-01_20250304	Total/NA	Water	SM 2520B	
500-264885-17	MW-37_20250304	Total/NA	Water	SM 2520B	
500-264885-20	MW-42_20250304	Total/NA	Water	SM 2520B	
500-264885-24	MW-38_20250304	Total/NA	Water	SM 2520B	

Method: 1630 - Methyl Mercury

Lab Sample ID: MB 350-5686/1-A
Matrix: Water
Analysis Batch: 5728

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 5686

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	0.0244	J	0.050	0.022	ng/L		03/20/25 12:01	03/20/25 17:18	1

Lab Sample ID: MB 350-5686/2-A
Matrix: Water
Analysis Batch: 5728

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 5686

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		03/20/25 12:01	03/20/25 17:28	1

Lab Sample ID: MB 350-5686/3-A
Matrix: Water
Analysis Batch: 5728

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 5686

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		03/20/25 12:01	03/20/25 17:38	1

Lab Sample ID: LCS 350-5686/4-A
Matrix: Water
Analysis Batch: 5728

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 5686

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Methyl Mercury	1.00	0.733		ng/L		73	65 - 135

Lab Sample ID: LCSD 350-5686/5-A
Matrix: Water
Analysis Batch: 5728

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 5686

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Methyl Mercury	1.00	0.833		ng/L		83	65 - 135	13	35

Lab Sample ID: MB 350-5791/1-A
Matrix: Water
Analysis Batch: 5863

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 5791

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	0.0300	J	0.050	0.022	ng/L		03/26/25 12:10	03/26/25 17:28	1

Lab Sample ID: MB 350-5791/2-A
Matrix: Water
Analysis Batch: 5863

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 5791

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		03/26/25 12:10	03/26/25 17:38	1

Lab Sample ID: MB 350-5791/3-A
Matrix: Water
Analysis Batch: 5863

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 5791

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		03/26/25 12:10	03/26/25 17:49	1

Method: 1630 - Methyl Mercury

Lab Sample ID: LCS 350-5791/4-A
Matrix: Water
Analysis Batch: 5863

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 5791

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Methyl Mercury			1.00	0.766		ng/L		77	65 - 135		

Lab Sample ID: LCSD 350-5791/5-A
Matrix: Water
Analysis Batch: 5863

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 5791

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Methyl Mercury			1.00	0.817		ng/L		82	65 - 135	6	35

Lab Sample ID: MB 350-5821/1-A
Matrix: Water
Analysis Batch: 5863

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 5821

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		03/27/25 12:42	03/27/25 19:18	1

Lab Sample ID: MB 350-5821/2-A
Matrix: Water
Analysis Batch: 5863

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 5821

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		03/27/25 12:42	03/27/25 19:28	1

Lab Sample ID: MB 350-5821/3-A
Matrix: Water
Analysis Batch: 5863

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 5821

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		03/27/25 12:42	03/27/25 19:38	1

Lab Sample ID: LCS 350-5821/4-A
Matrix: Water
Analysis Batch: 5863

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 5821

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Methyl Mercury			1.00	0.827		ng/L		83	65 - 135		

Lab Sample ID: LCSD 350-5821/5-A
Matrix: Water
Analysis Batch: 5863

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 5821

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Methyl Mercury			1.00	0.793		ng/L		79	65 - 135	4	35

Lab Sample ID: 500-264885-9 MS
Matrix: Water
Analysis Batch: 5863

Client Sample ID: SMW-35B_20250306
Prep Type: Total/NA
Prep Batch: 5821

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Methyl Mercury	0.026	J	1.00	0.923		ng/L		90	65 - 135		

Method: 1630 - Methyl Mercury

Lab Sample ID: 500-264885-9 MSD
Matrix: Water
Analysis Batch: 5863

Client Sample ID: SMW-35B_20250306
Prep Type: Total/NA
Prep Batch: 5821

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Methyl Mercury	0.026	J	1.00	0.859		ng/L		83	65 - 135	7	35

Lab Sample ID: MB 350-5875/1-A
Matrix: Water
Analysis Batch: 5914

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 5875

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		03/31/25 11:40	03/31/25 16:52	1

Lab Sample ID: MB 350-5875/2-A
Matrix: Water
Analysis Batch: 5914

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 5875

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		03/31/25 11:40	03/31/25 17:02	1

Lab Sample ID: MB 350-5875/3-A
Matrix: Water
Analysis Batch: 5914

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 5875

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		03/31/25 11:40	03/31/25 17:12	1

Lab Sample ID: LCS 350-5875/4-A
Matrix: Water
Analysis Batch: 5914

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 5875

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Methyl Mercury	1.00	0.717		ng/L		72	65 - 135

Lab Sample ID: LCSD 350-5875/5-A
Matrix: Water
Analysis Batch: 5914

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 5875

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Methyl Mercury	1.00	0.692		ng/L		69	65 - 135	4	35

Lab Sample ID: MB 350-5672/1-B
Matrix: Water
Analysis Batch: 5863

Client Sample ID: Method Blank
Prep Type: Dissolved
Prep Batch: 5791

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		03/26/25 12:10	03/26/25 21:53	1

Method: 1631E - Mercury, Low Level (CVAFS)

Lab Sample ID: MB 350-5523/17
Matrix: Water
Analysis Batch: 5523

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.252	J	0.50	0.20	ng/L			03/12/25 12:36	1

Lab Sample ID: MB 350-5523/18
Matrix: Water
Analysis Batch: 5523

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			03/12/25 12:40	1

Lab Sample ID: MB 350-5523/21
Matrix: Water
Analysis Batch: 5523

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			03/12/25 12:53	1

Lab Sample ID: LCS 350-5523/22
Matrix: Water
Analysis Batch: 5523

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury			5.00	5.13		ng/L		103	77 - 123		

Lab Sample ID: LCSD 350-5523/23
Matrix: Water
Analysis Batch: 5523

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury			5.00	5.05		ng/L		101	77 - 123	1	24

Lab Sample ID: MB 350-5615/25
Matrix: Water
Analysis Batch: 5615

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			03/17/25 12:34	1

Lab Sample ID: MB 350-5615/26
Matrix: Water
Analysis Batch: 5615

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			03/17/25 12:39	1

Lab Sample ID: MB 350-5615/27
Matrix: Water
Analysis Batch: 5615

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			03/17/25 12:43	1

Method: 1631E - Mercury, Low Level (CVAFS)

Lab Sample ID: LCS 350-5615/32
Matrix: Water
Analysis Batch: 5615

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	5.00	4.74		ng/L		95	77 - 123

Lab Sample ID: LCSD 350-5615/35
Matrix: Water
Analysis Batch: 5615

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	5.00	4.54		ng/L		91	77 - 123	4	24

Lab Sample ID: MB 350-5830/40
Matrix: Water
Analysis Batch: 5830

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			03/26/25 17:25	1

Lab Sample ID: MB 350-5830/41
Matrix: Water
Analysis Batch: 5830

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			03/26/25 17:29	1

Lab Sample ID: MB 350-5830/42
Matrix: Water
Analysis Batch: 5830

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			03/26/25 17:33	1

Lab Sample ID: MB 350-5830/60
Matrix: Water
Analysis Batch: 5830

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			03/26/25 18:48	1

Lab Sample ID: MB 350-5830/61
Matrix: Water
Analysis Batch: 5830

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			03/26/25 18:52	1

Lab Sample ID: MB 350-5830/62
Matrix: Water
Analysis Batch: 5830

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			03/26/25 18:56	1

Method: 1631E - Mercury, Low Level (CVAFS)

Lab Sample ID: LCS 350-5830/43
Matrix: Water
Analysis Batch: 5830

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	5.00	4.46		ng/L		89	77 - 123

Lab Sample ID: LCS 350-5830/64
Matrix: Water
Analysis Batch: 5830

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	5.00	4.42		ng/L		88	77 - 123

Lab Sample ID: LCSD 350-5830/46
Matrix: Water
Analysis Batch: 5830

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	5.00	4.24		ng/L		85	77 - 123	5	24

Lab Sample ID: LCSD 350-5830/65
Matrix: Water
Analysis Batch: 5830

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	5.00	4.19		ng/L		84	77 - 123	5	24

Lab Sample ID: MB 350-5876/19
Matrix: Water
Analysis Batch: 5876

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			03/28/25 11:56	1

Lab Sample ID: MB 350-5876/20
Matrix: Water
Analysis Batch: 5876

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			03/28/25 12:00	1

Lab Sample ID: MB 350-5876/23
Matrix: Water
Analysis Batch: 5876

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			03/28/25 12:12	1

Lab Sample ID: LCS 350-5876/30
Matrix: Water
Analysis Batch: 5876

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	5.00	4.81		ng/L		96	77 - 123

Method: 1631E - Mercury, Low Level (CVAFS)

Lab Sample ID: LCSD 350-5876/31
Matrix: Water
Analysis Batch: 5876

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury			5.00	4.89		ng/L		98	77 - 123	1	24

Method: 1638 - Metals (ICP/MS)

Lab Sample ID: MB 350-5552/1-A
Matrix: Water
Analysis Batch: 5599

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 5552

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	<0.0098		0.050	0.0098	ug/L		03/14/25 11:45	03/15/25 02:01	1

Lab Sample ID: MB 350-5552/2-A
Matrix: Water
Analysis Batch: 5599

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 5552

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	<0.0098		0.050	0.0098	ug/L		03/14/25 11:45	03/15/25 02:05	1

Lab Sample ID: LCS 350-5552/3-A
Matrix: Water
Analysis Batch: 5599

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 5552

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Uranium			25.0	24.3		ug/L		97	85 - 115		

Lab Sample ID: LCSD 350-5552/4-A
Matrix: Water
Analysis Batch: 5599

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 5552

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Uranium			25.0	24.3		ug/L		97	85 - 115	0	20

Lab Sample ID: MB 350-5553/1-A
Matrix: Water
Analysis Batch: 5599

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 5553

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	0.0114	J	0.050	0.0098	ug/L		03/14/25 11:45	03/15/25 04:00	1

Lab Sample ID: MB 350-5553/2-A
Matrix: Water
Analysis Batch: 5599

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 5553

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	<0.0098		0.050	0.0098	ug/L		03/14/25 11:45	03/15/25 04:04	1

Method: 1638 - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 350-5553/3-A
Matrix: Water
Analysis Batch: 5599

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 5553

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Uranium			25.0	24.0		ug/L		96	85 - 115		

Lab Sample ID: LCSD 350-5553/4-A
Matrix: Water
Analysis Batch: 5599

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 5553

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Uranium			25.0	24.0		ug/L		96	85 - 115	0	20

Lab Sample ID: 500-264885-15 MS
Matrix: Water
Analysis Batch: 5599

Client Sample ID: LKS-01_20250304
Prep Type: Total Recoverable
Prep Batch: 5553

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Uranium	0.42	B	25.0	25.5		ug/L		100	70 - 130		

Lab Sample ID: 500-264885-15 MSD
Matrix: Water
Analysis Batch: 5599

Client Sample ID: LKS-01_20250304
Prep Type: Total Recoverable
Prep Batch: 5553

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Uranium	0.42	B	25.0	25.7		ug/L		101	70 - 130	1	20

Lab Sample ID: 500-264885-1 MS
Matrix: Water
Analysis Batch: 5599

Client Sample ID: PTC-01_20250306
Prep Type: Dissolved
Prep Batch: 5552

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Uranium	0.18		25.0	25.2		ug/L		100	70 - 130		

Lab Sample ID: 500-264885-1 MSD
Matrix: Water
Analysis Batch: 5599

Client Sample ID: PTC-01_20250306
Prep Type: Dissolved
Prep Batch: 5552

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Uranium	0.18		25.0	24.9		ug/L		99	70 - 130	1	20

Lab Sample ID: 500-264885-11 MS
Matrix: Water
Analysis Batch: 5599

Client Sample ID: SMW-3_20250306
Prep Type: Dissolved
Prep Batch: 5552

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Uranium	0.064		25.0	24.5		ug/L		98	70 - 130		

Lab Sample ID: 500-264885-11 MSD
Matrix: Water
Analysis Batch: 5599

Client Sample ID: SMW-3_20250306
Prep Type: Dissolved
Prep Batch: 5552

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Uranium	0.064		25.0	24.6		ug/L		98	70 - 130	0	20

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 500-809538/1-A
Matrix: Water
Analysis Batch: 810390

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 809538

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<25		100	25	ug/L		03/11/25 17:43	03/18/25 13:03	1
Antimony	<1.3		3.0	1.3	ug/L		03/11/25 17:43	03/18/25 13:03	1
Arsenic	<0.23		1.0	0.23	ug/L		03/11/25 17:43	03/18/25 13:03	1
Barium	<0.73		2.5	0.73	ug/L		03/11/25 17:43	03/18/25 13:03	1
Beryllium	<0.53		1.0	0.53	ug/L		03/11/25 17:43	03/18/25 13:03	1
Boron	<13		50	13	ug/L		03/11/25 17:43	03/18/25 13:03	1
Cadmium	<0.17		0.50	0.17	ug/L		03/11/25 17:43	03/18/25 13:03	1
Calcium	<44		200	44	ug/L		03/11/25 17:43	03/18/25 13:03	1
Chromium	<1.1		5.0	1.1	ug/L		03/11/25 17:43	03/18/25 13:03	1
Cobalt	<0.40		1.0	0.40	ug/L		03/11/25 17:43	03/18/25 13:03	1
Copper	<0.50		2.0	0.50	ug/L		03/11/25 17:43	03/18/25 13:03	1
Iron	<47		100	47	ug/L		03/11/25 17:43	03/18/25 13:03	1
Lead	<0.19		0.50	0.19	ug/L		03/11/25 17:43	03/18/25 13:03	1
Lithium	<2.5		10	2.5	ug/L		03/11/25 17:43	03/18/25 13:03	1
Magnesium	<49		200	49	ug/L		03/11/25 17:43	03/18/25 13:03	1
Manganese	<0.79		2.5	0.79	ug/L		03/11/25 17:43	03/18/25 13:03	1
Molybdenum	<2.5		5.0	2.5	ug/L		03/11/25 17:43	03/18/25 13:03	1
Nickel	<0.63		2.0	0.63	ug/L		03/11/25 17:43	03/18/25 13:03	1
Potassium	<110		500	110	ug/L		03/11/25 17:43	03/18/25 13:03	1
Selenium	<0.98		2.5	0.98	ug/L		03/11/25 17:43	03/18/25 13:03	1
Silver	<0.12		0.50	0.12	ug/L		03/11/25 17:43	03/18/25 13:03	1
Sodium	123	J	200	77	ug/L		03/11/25 17:43	03/18/25 13:03	1
Strontium	<0.64		4.0	0.64	ug/L		03/11/25 17:43	03/18/25 13:03	1
Thallium	<0.57		2.0	0.57	ug/L		03/11/25 17:43	03/18/25 13:03	1
Tin	<1.3		5.0	1.3	ug/L		03/11/25 17:43	03/18/25 13:03	1
Vanadium	<2.2		5.0	2.2	ug/L		03/11/25 17:43	03/18/25 13:03	1
Zinc	<6.9		20	6.9	ug/L		03/11/25 17:43	03/18/25 13:03	1

Lab Sample ID: LCS 500-809538/2-A
Matrix: Water
Analysis Batch: 810390

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 809538

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	2000	1950		ug/L		97	80 - 120
Antimony	500	524		ug/L		105	80 - 120
Arsenic	100	97.3		ug/L		97	80 - 120
Barium	500	518		ug/L		104	80 - 120
Beryllium	50.0	47.1		ug/L		94	80 - 120
Boron	1000	965		ug/L		97	80 - 120
Cadmium	50.0	50.9		ug/L		102	80 - 120
Calcium	10000	8640		ug/L		86	80 - 120
Chromium	200	191		ug/L		95	80 - 120
Cobalt	500	519		ug/L		104	80 - 120
Copper	250	259		ug/L		103	80 - 120
Iron	1000	1020		ug/L		102	80 - 120
Lead	100	101		ug/L		101	80 - 120
Lithium	100	97.4		ug/L		97	80 - 120
Magnesium	10000	10500		ug/L		105	80 - 120
Manganese	500	513		ug/L		103	80 - 120

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 500-809538/2-A
Matrix: Water
Analysis Batch: 810390

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 809538

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Molybdenum	1000	996		ug/L		100	80 - 120
Nickel	500	525		ug/L		105	80 - 120
Potassium	10000	10500		ug/L		105	80 - 120
Selenium	100	104		ug/L		104	80 - 120
Silver	50.0	51.4		ug/L		103	80 - 120
Sodium	10000	10200		ug/L		102	80 - 120
Strontium	1000	1040		ug/L		104	80 - 120
Thallium	100	103		ug/L		103	80 - 120
Tin	1000	1040		ug/L		104	80 - 120
Vanadium	500	499		ug/L		100	80 - 120
Zinc	500	504		ug/L		101	80 - 120

Lab Sample ID: MB 500-809590/1-A
Matrix: Water
Analysis Batch: 810729

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 809590

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<25		100	25	ug/L		03/12/25 08:23	03/20/25 15:28	1
Antimony	<1.3		3.0	1.3	ug/L		03/12/25 08:23	03/20/25 15:28	1
Arsenic	<0.23		1.0	0.23	ug/L		03/12/25 08:23	03/20/25 15:28	1
Barium	<0.73		2.5	0.73	ug/L		03/12/25 08:23	03/20/25 15:28	1
Beryllium	<0.53		1.0	0.53	ug/L		03/12/25 08:23	03/20/25 15:28	1
Boron	<13		50	13	ug/L		03/12/25 08:23	03/20/25 15:28	1
Cadmium	<0.17		0.50	0.17	ug/L		03/12/25 08:23	03/20/25 15:28	1
Calcium	<44		200	44	ug/L		03/12/25 08:23	03/20/25 15:28	1
Chromium	<1.1		5.0	1.1	ug/L		03/12/25 08:23	03/20/25 15:28	1
Cobalt	<0.40		1.0	0.40	ug/L		03/12/25 08:23	03/20/25 15:28	1
Copper	<0.50		2.0	0.50	ug/L		03/12/25 08:23	03/20/25 15:28	1
Iron	<47		100	47	ug/L		03/12/25 08:23	03/20/25 15:28	1
Lead	<0.19		0.50	0.19	ug/L		03/12/25 08:23	03/20/25 15:28	1
Lithium	<2.5		10	2.5	ug/L		03/12/25 08:23	03/20/25 15:28	1
Magnesium	<49		200	49	ug/L		03/12/25 08:23	03/20/25 15:28	1
Manganese	<0.79		2.5	0.79	ug/L		03/12/25 08:23	03/20/25 15:28	1
Molybdenum	<2.5		5.0	2.5	ug/L		03/12/25 08:23	03/20/25 15:28	1
Nickel	<0.63		2.0	0.63	ug/L		03/12/25 08:23	03/20/25 15:28	1
Potassium	<110		500	110	ug/L		03/12/25 08:23	03/20/25 15:28	1
Selenium	<0.98		2.5	0.98	ug/L		03/12/25 08:23	03/20/25 15:28	1
Silver	<0.12		0.50	0.12	ug/L		03/12/25 08:23	03/20/25 15:28	1
Sodium	<77		200	77	ug/L		03/12/25 08:23	03/20/25 15:28	1
Strontium	<0.64		4.0	0.64	ug/L		03/12/25 08:23	03/20/25 15:28	1
Thallium	<0.57		2.0	0.57	ug/L		03/12/25 08:23	03/20/25 15:28	1
Tin	<1.3		5.0	1.3	ug/L		03/12/25 08:23	03/20/25 15:28	1
Vanadium	<2.2		5.0	2.2	ug/L		03/12/25 08:23	03/20/25 15:28	1
Zinc	<6.9		20	6.9	ug/L		03/12/25 08:23	03/20/25 15:28	1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 500-809590/2-A
Matrix: Water
Analysis Batch: 810729

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 809590

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	2000	2140		ug/L		107	80 - 120
Antimony	500	554		ug/L		111	80 - 120
Arsenic	100	106		ug/L		106	80 - 120
Barium	500	548		ug/L		110	80 - 120
Beryllium	50.0	54.7		ug/L		109	80 - 120
Boron	1000	1100		ug/L		110	80 - 120
Cadmium	50.0	53.6		ug/L		107	80 - 120
Calcium	10000	8980		ug/L		90	80 - 120
Chromium	200	215		ug/L		107	80 - 120
Cobalt	500	548		ug/L		110	80 - 120
Copper	250	271		ug/L		108	80 - 120
Iron	1000	1090		ug/L		109	80 - 120
Lead	100	107		ug/L		107	80 - 120
Lithium	100	114		ug/L		114	80 - 120
Magnesium	10000	11400		ug/L		114	80 - 120
Manganese	500	544		ug/L		109	80 - 120
Molybdenum	1000	1040		ug/L		104	80 - 120
Nickel	500	536		ug/L		107	80 - 120
Potassium	10000	11300		ug/L		113	80 - 120
Selenium	100	109		ug/L		109	80 - 120
Silver	50.0	54.8		ug/L		110	80 - 120
Sodium	10000	11200		ug/L		112	80 - 120
Strontium	1000	1050		ug/L		105	80 - 120
Thallium	100	103		ug/L		103	80 - 120
Tin	1000	1090		ug/L		109	80 - 120
Vanadium	500	534		ug/L		107	80 - 120
Zinc	500	530		ug/L		106	80 - 120

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 500-809127/3
Matrix: Water
Analysis Batch: 809127

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	<0.45		1.0	0.45	mg/L			03/07/25 14:44	1
Chloride	<0.42		1.0	0.42	mg/L			03/07/25 14:44	1
Fluoride	<0.43		1.0	0.43	mg/L			03/07/25 14:44	1
Sulfate	<0.47		1.0	0.47	mg/L			03/07/25 14:44	1

Lab Sample ID: LCS 500-809127/4
Matrix: Water
Analysis Batch: 809127

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bromide	20.0	18.4		mg/L		92	90 - 110
Chloride	100	102		mg/L		102	90 - 110
Fluoride	20.0	19.3		mg/L		96	90 - 110
Sulfate	100	105		mg/L		105	90 - 110

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 500-264885-1 MS
Matrix: Water
Analysis Batch: 809127

Client Sample ID: PTC-01_20250306
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Bromide	<0.45		10.0	10.3		mg/L		103	80 - 120
Chloride	17		10.0	28.2		mg/L		110	80 - 120
Fluoride	<0.43		10.0	10.8		mg/L		108	80 - 120
Sulfate	2.4		10.0	13.3		mg/L		109	80 - 120

Lab Sample ID: 500-264885-1 MSD
Matrix: Water
Analysis Batch: 809127

Client Sample ID: PTC-01_20250306
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Bromide	<0.45		10.0	9.99		mg/L		100	80 - 120	3	20
Chloride	17		10.0	27.4		mg/L		103	80 - 120	3	20
Fluoride	<0.43		10.0	10.4		mg/L		104	80 - 120	3	20
Sulfate	2.4		10.0	12.9		mg/L		105	80 - 120	3	20

Lab Sample ID: MB 500-809128/3
Matrix: Water
Analysis Batch: 809128

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	<0.37		1.0	0.37	mg/L			03/07/25 14:44	1
Nitrite as N	<0.25		1.0	0.25	mg/L			03/07/25 14:44	1
Nitrate Nitrite as N	<0.37		1.0	0.37	mg/L			03/07/25 14:44	1

Lab Sample ID: LCS 500-809128/4
Matrix: Water
Analysis Batch: 809128

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate as N	20.0	21.0		mg/L		105	90 - 110
Nitrite as N	20.0	20.3		mg/L		102	90 - 110
Nitrate Nitrite as N	40.0	41.3		mg/L		103	90 - 110

Lab Sample ID: 500-264885-1 MS
Matrix: Water
Analysis Batch: 809128

Client Sample ID: PTC-01_20250306
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate as N	2.2	F1	2.26	2.49	F1	mg/L		13	80 - 120
Nitrite as N	<0.25		3.03	3.32		mg/L		109	80 - 120
Nitrate Nitrite as N	2.2	F1	5.29	5.81	F1	mg/L		68	80 - 120

Lab Sample ID: 500-264885-1 MSD
Matrix: Water
Analysis Batch: 809128

Client Sample ID: PTC-01_20250306
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrate as N	2.2	F1	2.26	2.43	F1	mg/L		11	80 - 120	2	20
Nitrite as N	<0.25		3.03	3.21		mg/L		106	80 - 120	3	20
Nitrate Nitrite as N	2.2	F1	5.29	5.64	F1	mg/L		65	80 - 120	3	20

Method: 335.4 - Cyanide, Total

Lab Sample ID: MB 500-809204/1-A
Matrix: Water
Analysis Batch: 809211

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 809204

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.0036		0.0050	0.0036	mg/L		03/09/25 11:21	03/09/25 12:49	1

Lab Sample ID: LCS 500-809204/2-A
Matrix: Water
Analysis Batch: 809211

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 809204

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.100	0.101		mg/L		101	90 - 110

Lab Sample ID: 500-264885-24 MS
Matrix: Water
Analysis Batch: 809211

Client Sample ID: MW-38_20250304
Prep Type: Total/NA
Prep Batch: 809204

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	<0.0036		0.100	0.105		mg/L		105	90 - 110

Lab Sample ID: 500-264885-24 MSD
Matrix: Water
Analysis Batch: 809211

Client Sample ID: MW-38_20250304
Prep Type: Total/NA
Prep Batch: 809204

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Cyanide, Total	<0.0036		0.100	0.0940		mg/L		94	90 - 110	11	20

Method: 350.1 - Nitrogen, Ammonia

Lab Sample ID: MB 500-810791/1-A
Matrix: Water
Analysis Batch: 810879

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 810791

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	<0.10		0.20	0.10	mg/L		03/21/25 12:37	03/21/25 17:30	1

Lab Sample ID: LCS 500-810791/2-A
Matrix: Water
Analysis Batch: 810879

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 810791

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ammonia	2.00	1.98		mg/L		99	90 - 110

Method: 365.1 - Phosphorus, Total

Lab Sample ID: MB 500-809361/1-A
Matrix: Water
Analysis Batch: 809855

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 809361

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phosphorus as P	<0.024		0.050	0.024	mg/L		03/11/25 07:30	03/13/25 11:07	1

Method: 365.1 - Phosphorus, Total (Continued)

Lab Sample ID: LCS 500-809361/2-A
Matrix: Water
Analysis Batch: 809855

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 809361

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Phosphorus as P	1.00	0.934		mg/L		93	88 - 123

Lab Sample ID: MB 500-809703/1-A
Matrix: Water
Analysis Batch: 809870

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 809703

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phosphorus as P	<0.024		0.050	0.024	mg/L		03/13/25 07:45	03/13/25 16:00	1

Lab Sample ID: LCS 500-809703/2-A
Matrix: Water
Analysis Batch: 809870

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 809703

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Phosphorus as P	1.00	0.937		mg/L		94	88 - 123

Method: SM 2320B - Alkalinity

Lab Sample ID: MB 500-810035/28
Matrix: Water
Analysis Batch: 810035

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	4.10	J	5.0	3.7	mg/L			03/16/25 14:21	1
Bicarbonate Alkalinity as CaCO3	4.10	J	5.0	3.7	mg/L			03/16/25 14:21	1
Carbonate Alkalinity as CaCO3	<3.7		5.0	3.7	mg/L			03/16/25 14:21	1

Lab Sample ID: LCS 500-810035/4
Matrix: Water
Analysis Batch: 810035

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Alkalinity	100	120		mg/L		120	95 - 121

Lab Sample ID: 500-264885-7 DU
Matrix: Water
Analysis Batch: 810035

Client Sample ID: PRC-01_20250304
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Alkalinity	150	B	145		mg/L		3	20
Bicarbonate Alkalinity as CaCO3	150	B	145		mg/L		3	20
Carbonate Alkalinity as CaCO3	<3.7		<3.7		mg/L		NC	20

Lab Sample ID: MB 500-810189/25
Matrix: Water
Analysis Batch: 810189

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	<3.7		5.0	3.7	mg/L			03/17/25 13:07	1
Bicarbonate Alkalinity as CaCO3	<3.7		5.0	3.7	mg/L			03/17/25 13:07	1

Method: SM 2320B - Alkalinity (Continued)

Lab Sample ID: MB 500-810189/25
Matrix: Water
Analysis Batch: 810189

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbonate Alkalinity as CaCO3	<3.7		5.0	3.7	mg/L			03/17/25 13:07	1

Lab Sample ID: LCS 500-810189/4
Matrix: Water
Analysis Batch: 810189

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Alkalinity	100	106		mg/L		106	95 - 121

Lab Sample ID: 500-264885-9 DU
Matrix: Water
Analysis Batch: 810189

Client Sample ID: SMW-35B_20250306
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Alkalinity	100		107		mg/L		4	20
Bicarbonate Alkalinity as CaCO3	79		81.4		mg/L		3	20
Carbonate Alkalinity as CaCO3	24		25.2		mg/L		6	20

Method: SM 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 500-809374/1
Matrix: Water
Analysis Batch: 809374

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<4.3		10	4.3	mg/L			03/10/25 23:41	1

Lab Sample ID: LCS 500-809374/2
Matrix: Water
Analysis Batch: 809374

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	250	264		mg/L		106	80 - 120

Lab Sample ID: MB 500-809375/1
Matrix: Water
Analysis Batch: 809375

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<4.3		10	4.3	mg/L			03/11/25 02:56	1

Lab Sample ID: LCS 500-809375/2
Matrix: Water
Analysis Batch: 809375

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	250	246		mg/L		98	80 - 120

Method: SM 2540C - Solids, Total Dissolved (TDS) (Continued)

Lab Sample ID: 500-264885-13 MS
Matrix: Water
Analysis Batch: 809375

Client Sample ID: CBR-02_20250304
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	78		250	314		mg/L		94	75 - 125

Lab Sample ID: 500-264885-13 DU
Matrix: Water
Analysis Batch: 809375

Client Sample ID: CBR-02_20250304
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	78		76.0		mg/L		3	5

Lab Sample ID: 500-264885-15 DU
Matrix: Water
Analysis Batch: 809375

Client Sample ID: LKS-01_20250304
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	200		206		mg/L		1	5

Method: SM 2540D - Solids, Total Suspended (TSS)

Lab Sample ID: MB 500-809437/1
Matrix: Water
Analysis Batch: 809437

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	<1.9		5.0	1.9	mg/L			03/11/25 09:35	1

Lab Sample ID: LCS 500-809437/2
Matrix: Water
Analysis Batch: 809437

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Suspended Solids	200	181		mg/L		91	80 - 120

Lab Sample ID: 500-264885-24 MS
Matrix: Water
Analysis Batch: 809437

Client Sample ID: MW-38_20250304
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Total Suspended Solids	<1.9		100	81.0		mg/L		81	75 - 125

Lab Sample ID: MB 500-809670/1
Matrix: Water
Analysis Batch: 809670

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	<1.9		5.0	1.9	mg/L			03/12/25 13:08	1

Method: SM 2540D - Solids, Total Suspended (TSS) (Continued)

Lab Sample ID: LCS 500-809670/2
Matrix: Water
Analysis Batch: 809670

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Suspended Solids	200	175		mg/L		88	80 - 120

Method: SM 4500 S2 F - Sulfide, Total

Lab Sample ID: MB 500-809210/1
Matrix: Water
Analysis Batch: 809210

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	<0.23		1.0	0.23	mg/L			03/10/25 03:42	1

Lab Sample ID: LCS 500-809210/2
Matrix: Water
Analysis Batch: 809210

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfide	3.97	3.71		mg/L		94	85 - 115

Lab Sample ID: MB 500-809373/1
Matrix: Water
Analysis Batch: 809373

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	<0.23		1.0	0.23	mg/L			03/10/25 22:44	1

Lab Sample ID: LCS 500-809373/2
Matrix: Water
Analysis Batch: 809373

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfide	3.97	3.67		mg/L		92	85 - 115

Method: SM 5310C - TOC

Lab Sample ID: MB 500-810701/7
Matrix: Water
Analysis Batch: 810701

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	<0.47		1.0	0.47	mg/L			03/19/25 15:34	1

Lab Sample ID: LCS 500-810701/8
Matrix: Water
Analysis Batch: 810701

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Organic Carbon	10.0	9.62		mg/L		96	86 - 116

Method: SM 5310C - TOC (Continued)

Lab Sample ID: 500-264885-1 MS
Matrix: Water
Analysis Batch: 810701

Client Sample ID: PTC-01_20250306
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Total Organic Carbon	6.1		10.0	16.7		mg/L		106	75 - 125

Lab Sample ID: 500-264885-1 MSD
Matrix: Water
Analysis Batch: 810701

Client Sample ID: PTC-01_20250306
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Organic Carbon	6.1		10.0	16.7		mg/L		107	75 - 125	0	20

Method: SM 5310C - Organic Carbon, Dissolved (DOC)

Lab Sample ID: MB 500-810702/31
Matrix: Water
Analysis Batch: 810702

Client Sample ID: Method Blank
Prep Type: Dissolved

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon	<0.47		1.0	0.47	mg/L			03/20/25 04:28	1

Lab Sample ID: MB 500-810702/7
Matrix: Water
Analysis Batch: 810702

Client Sample ID: Method Blank
Prep Type: Dissolved

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon	<0.47		1.0	0.47	mg/L			03/19/25 15:34	1

Lab Sample ID: LCS 500-810702/32
Matrix: Water
Analysis Batch: 810702

Client Sample ID: Lab Control Sample
Prep Type: Dissolved

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Dissolved Organic Carbon	10.0	9.69		mg/L		97	86 - 116

Lab Sample ID: LCS 500-810702/8
Matrix: Water
Analysis Batch: 810702

Client Sample ID: Lab Control Sample
Prep Type: Dissolved

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Dissolved Organic Carbon	10.0	9.62		mg/L		96	86 - 116

Lab Sample ID: 500-264885-11 MS
Matrix: Water
Analysis Batch: 810702

Client Sample ID: SMW-3_20250306
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Dissolved Organic Carbon	2.1		10.0	11.7		mg/L		96	75 - 125

Method: SM 5310C - Organic Carbon, Dissolved (DOC) (Continued)

Lab Sample ID: 500-264885-11 MSD
Matrix: Water
Analysis Batch: 810702

Client Sample ID: SMW-3_20250306
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Dissolved Organic Carbon	2.1		10.0	11.7		mg/L		96	75 - 125	0	20

Lab Chronicle

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264885-1

Client Sample ID: PTC-01_20250306

Lab Sample ID: 500-264885-1

Date Collected: 03/06/25 10:30

Matrix: Water

Date Received: 03/07/25 09:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	1630			5821	AJD	EET SSM	03/27/25 12:42
Dissolved	Analysis	1630		1	5863	CL	EET SSM	03/27/25 21:51
Total/NA	Prep	1630			5821	AJD	EET SSM	03/27/25 12:42
Total/NA	Analysis	1630		1	5863	CL	EET SSM	03/27/25 21:41
Dissolved	Analysis	1631E		1	5830	COW	EET SSM	03/26/25 20:29
Total/NA	Analysis	1631E		1	5830	COW	EET SSM	03/26/25 20:25
Dissolved	Prep	1638			5552	V1R	EET SSM	03/14/25 11:45
Dissolved	Analysis	1638		1	5599	V1R	EET SSM	03/15/25 02:15
Total Recoverable	Prep	1638			5552	V1R	EET SSM	03/14/25 11:45
Total Recoverable	Analysis	1638		1	5599	V1R	EET SSM	03/15/25 03:29
Dissolved	Prep	3005A			809538	S1Z	EET CHI	03/11/25 17:43 - 03/11/25 23:43 [1]
Dissolved	Analysis	6020B		1	810390	RN	EET CHI	03/18/25 13:15
Total Recoverable	Prep	3005A			809538	S1Z	EET CHI	03/11/25 17:43 - 03/11/25 23:43 [1]
Total Recoverable	Analysis	6020B		1	810390	RN	EET CHI	03/18/25 13:13
Total Recoverable	Prep	3005A			809538	S1Z	EET CHI	03/11/25 17:43 - 03/11/25 23:43 [1]
Total Recoverable	Analysis	SM 2340B		1	810437	DAJ	EET CHI	03/19/25 10:54
Total/NA	Analysis	300.0		1	809127	MB	EET CHI	03/07/25 15:14
Total/NA	Analysis	300.0		1	809128	MB	EET CHI	03/07/25 15:14
Total/NA	Prep	Distill/CN			809204	AC	EET CHI	03/09/25 11:21 - 03/09/25 11:51 [1]
Total/NA	Analysis	335.4		1	809211	AC	EET CHI	03/09/25 12:56
Total/NA	Prep	Distill/Ammonia			810791	EB	EET CHI	03/21/25 12:37 - 03/21/25 13:37 [1]
Total/NA	Analysis	350.1		1	810879	EB	EET CHI	03/21/25 17:31
Total/NA	Prep	365.2/365.3/365			809361	MF	EET CHI	03/11/25 07:30 - 03/11/25 11:30 [1]
Total/NA	Analysis	365.1		1	809855	KF	EET CHI	03/13/25 11:27
Total/NA	Analysis	SM 2320B		1	810189	AC	EET CHI	03/17/25 09:59
Total/NA	Analysis	SM 2520B		1	811285	AC	EET CHI	03/26/25 09:02
Total/NA	Analysis	SM 2540C		1	809374	CLB	EET CHI	03/11/25 00:27
Total/NA	Analysis	SM 2540D		1	809670	SO	EET CHI	03/12/25 18:06 - 03/12/25 19:06 [1]
Total/NA	Analysis	SM 4500 S2 F		1	809373	CLB	EET CHI	03/10/25 23:04 - 03/10/25 23:07 [1]
Dissolved	Analysis	SM 5310C		1	810702	TR	EET CHI	03/20/25 00:43
Total/NA	Analysis	SM 5310C		1	810701	TR	EET CHI	03/19/25 16:39

Client Sample ID: PTC-01_20250306_FBLL

Lab Sample ID: 500-264885-2

Date Collected: 03/06/25 10:30

Matrix: Water

Date Received: 03/07/25 09:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	1631E		1	5830	COW	EET SSM	03/26/25 20:33

Lab Chronicle

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264885-1

Client Sample ID: ARC-03_20250306

Lab Sample ID: 500-264885-3

Date Collected: 03/06/25 12:00

Matrix: Water

Date Received: 03/07/25 09:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	1630			5821	AJD	EET SSM	03/27/25 12:42
Dissolved	Analysis	1630		1	5863	CL	EET SSM	03/27/25 22:11
Total/NA	Prep	1630			5821	AJD	EET SSM	03/27/25 12:42
Total/NA	Analysis	1630		1	5863	CL	EET SSM	03/27/25 22:01
Dissolved	Analysis	1631E		1	5830	COW	EET SSM	03/26/25 22:04
Total/NA	Analysis	1631E		1	5830	COW	EET SSM	03/26/25 22:00
Dissolved	Prep	1638			5552	V1R	EET SSM	03/14/25 11:45
Dissolved	Analysis	1638		1	5599	V1R	EET SSM	03/15/25 02:43
Total Recoverable	Prep	1638			5552	V1R	EET SSM	03/14/25 11:45
Total Recoverable	Analysis	1638		1	5599	V1R	EET SSM	03/15/25 03:32
Dissolved	Prep	3005A			809538	S1Z	EET CHI	03/11/25 17:43 - 03/11/25 23:43 [1]
Dissolved	Analysis	6020B		1	810390	RN	EET CHI	03/18/25 13:20
Total Recoverable	Prep	3005A			809538	S1Z	EET CHI	03/11/25 17:43 - 03/11/25 23:43 [1]
Total Recoverable	Analysis	6020B		1	810390	RN	EET CHI	03/18/25 13:17
Total Recoverable	Prep	3005A			809538	S1Z	EET CHI	03/11/25 17:43 - 03/11/25 23:43 [1]
Total Recoverable	Analysis	SM 2340B		1	810437	DAJ	EET CHI	03/19/25 10:54
Total/NA	Analysis	300.0		1	809127	MB	EET CHI	03/07/25 16:00
Total/NA	Analysis	300.0		1	809128	MB	EET CHI	03/07/25 16:00
Total/NA	Prep	Distill/CN			809204	AC	EET CHI	03/09/25 11:21 - 03/09/25 11:51 [1]
Total/NA	Analysis	335.4		1	809211	AC	EET CHI	03/09/25 12:56
Total/NA	Prep	Distill/Ammonia			810791	EB	EET CHI	03/21/25 12:37 - 03/21/25 13:37 [1]
Total/NA	Analysis	350.1		1	810879	EB	EET CHI	03/21/25 17:31
Total/NA	Prep	365.2/365.3/365			809361	MF	EET CHI	03/11/25 07:30 - 03/11/25 11:30 [1]
Total/NA	Analysis	365.1		1	809855	KF	EET CHI	03/13/25 11:28
Total/NA	Analysis	SM 2320B		1	810189	AC	EET CHI	03/17/25 10:08
Total/NA	Analysis	SM 2520B		1	811285	AC	EET CHI	03/26/25 09:02
Total/NA	Analysis	SM 2540C		1	809374	CLB	EET CHI	03/11/25 00:30
Total/NA	Analysis	SM 2540D		1	809670	SO	EET CHI	03/12/25 19:06 - 03/12/25 20:05 [1]
Total/NA	Analysis	SM 4500 S2 F		1	809373	CLB	EET CHI	03/10/25 23:07 - 03/10/25 23:11 [1]
Dissolved	Analysis	SM 5310C		1	810702	TR	EET CHI	03/20/25 01:15
Total/NA	Analysis	SM 5310C		1	810701	TR	EET CHI	03/19/25 18:15

Client Sample ID: ARC-03_20250306_FBLL

Lab Sample ID: 500-264885-4

Date Collected: 03/06/25 12:00

Matrix: Water

Date Received: 03/07/25 09:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	1631E		1	5830	COW	EET SSM	03/26/25 22:08

Lab Chronicle

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264885-1

Client Sample ID: PNC-04_20250304

Lab Sample ID: 500-264885-5

Date Collected: 03/04/25 11:30

Matrix: Water

Date Received: 03/07/25 09:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	1630			5821	AJD	EET SSM	03/27/25 12:42
Dissolved	Analysis	1630		1	5863	CL	EET SSM	03/27/25 22:32
Total/NA	Prep	1630			5821	AJD	EET SSM	03/27/25 12:42
Total/NA	Analysis	1630		1	5863	CL	EET SSM	03/27/25 22:22
Dissolved	Analysis	1631E		1	5830	COW	EET SSM	03/26/25 22:17
Total/NA	Analysis	1631E		1	5830	COW	EET SSM	03/26/25 22:12
Dissolved	Prep	1638			5552	V1R	EET SSM	03/14/25 11:45
Dissolved	Analysis	1638		1	5599	V1R	EET SSM	03/15/25 02:47
Total Recoverable	Prep	1638			5552	V1R	EET SSM	03/14/25 11:45
Total Recoverable	Analysis	1638		1	5599	V1R	EET SSM	03/15/25 03:36
Dissolved	Prep	3005A			809538	S1Z	EET CHI	03/11/25 17:43 - 03/11/25 23:43 [1]
Dissolved	Analysis	6020B		1	810390	RN	EET CHI	03/18/25 13:25
Total Recoverable	Prep	3005A			809538	S1Z	EET CHI	03/11/25 17:43 - 03/11/25 23:43 [1]
Total Recoverable	Analysis	6020B		1	810390	RN	EET CHI	03/18/25 13:22
Total Recoverable	Prep	3005A			809538	S1Z	EET CHI	03/11/25 17:43 - 03/11/25 23:43 [1]
Total Recoverable	Analysis	SM 2340B		1	810437	DAJ	EET CHI	03/19/25 10:54
Total/NA	Analysis	300.0		1	809127	MB	EET CHI	03/07/25 16:15
Total/NA	Analysis	300.0		1	809128	MB	EET CHI	03/07/25 16:15
Total/NA	Prep	Distill/CN			809204	AC	EET CHI	03/09/25 11:21 - 03/09/25 11:51 [1]
Total/NA	Analysis	335.4		1	809211	AC	EET CHI	03/09/25 12:56
Total/NA	Prep	Distill/Ammonia			810791	EB	EET CHI	03/21/25 12:37 - 03/21/25 13:37 [1]
Total/NA	Analysis	350.1		1	810879	EB	EET CHI	03/21/25 17:31
Total/NA	Prep	365.2/365.3/365			809361	MF	EET CHI	03/11/25 07:30 - 03/11/25 11:30 [1]
Total/NA	Analysis	365.1		1	809855	KF	EET CHI	03/13/25 11:29
Total/NA	Analysis	SM 2320B		1	810035	AC	EET CHI	03/16/25 11:11
Total/NA	Analysis	SM 2520B		1	811285	AC	EET CHI	03/26/25 09:02
Total/NA	Analysis	SM 2540C		1	809374	CLB	EET CHI	03/11/25 00:32
Total/NA	Analysis	SM 2540D		1	809437	SO	EET CHI	03/11/25 09:46 - 03/11/25 09:49 [1]
Total/NA	Analysis	SM 4500 S2 F		1	809210	CLB	EET CHI	03/10/25 04:23 - 03/10/25 04:30 [1]
Dissolved	Analysis	SM 5310C		1	810702	TR	EET CHI	03/20/25 01:47
Total/NA	Analysis	SM 5310C		1	810701	TR	EET CHI	03/19/25 18:48

Client Sample ID: PNC-04_20250304_FBLL

Lab Sample ID: 500-264885-6

Date Collected: 03/04/25 11:30

Matrix: Water

Date Received: 03/07/25 09:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	1631E		1	5830	COW	EET SSM	03/26/25 22:21

Lab Chronicle

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264885-1

Client Sample ID: PRC-01_20250304

Lab Sample ID: 500-264885-7

Date Collected: 03/04/25 17:00

Matrix: Water

Date Received: 03/07/25 09:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	1630			5821	AJD	EET SSM	03/27/25 12:42
Dissolved	Analysis	1630		1	5863	CL	EET SSM	03/27/25 22:52
Total/NA	Prep	1630			5821	AJD	EET SSM	03/27/25 12:42
Total/NA	Analysis	1630		1	5863	CL	EET SSM	03/27/25 22:42
Dissolved	Analysis	1631E		1	5876	CL	EET SSM	03/28/25 15:11
Total/NA	Analysis	1631E		1	5876	CL	EET SSM	03/28/25 14:38
Dissolved	Prep	1638			5552	V1R	EET SSM	03/14/25 11:45
Dissolved	Analysis	1638		1	5599	V1R	EET SSM	03/15/25 02:50
Total Recoverable	Prep	1638			5552	V1R	EET SSM	03/14/25 11:45
Total Recoverable	Analysis	1638		1	5599	V1R	EET SSM	03/15/25 03:39
Dissolved	Prep	3005A			809538	S1Z	EET CHI	03/11/25 17:43 - 03/11/25 23:43 [1]
Dissolved	Analysis	6020B		1	810390	RN	EET CHI	03/18/25 13:34
Total Recoverable	Prep	3005A			809538	S1Z	EET CHI	03/11/25 17:43 - 03/11/25 23:43 [1]
Total Recoverable	Analysis	6020B		1	810390	RN	EET CHI	03/18/25 13:32
Total Recoverable	Prep	3005A			809538	S1Z	EET CHI	03/11/25 17:43 - 03/11/25 23:43 [1]
Total Recoverable	Analysis	SM 2340B		1	810437	DAJ	EET CHI	03/19/25 10:54
Total/NA	Analysis	300.0		1	809127	MB	EET CHI	03/07/25 16:31
Total/NA	Analysis	300.0		1	809128	MB	EET CHI	03/07/25 16:31
Total/NA	Prep	Distill/CN			809204	AC	EET CHI	03/09/25 11:21 - 03/09/25 11:51 [1]
Total/NA	Analysis	335.4		1	809211	AC	EET CHI	03/09/25 12:59
Total/NA	Prep	Distill/Ammonia			810791	EB	EET CHI	03/21/25 12:37 - 03/21/25 13:37 [1]
Total/NA	Analysis	350.1		1	810879	EB	EET CHI	03/21/25 17:32
Total/NA	Prep	365.2/365.3/365			809361	MF	EET CHI	03/11/25 07:30 - 03/11/25 11:30 [1]
Total/NA	Analysis	365.1		1	809855	KF	EET CHI	03/13/25 11:30
Total/NA	Analysis	SM 2320B		1	810035	AC	EET CHI	03/16/25 11:20
Total/NA	Analysis	SM 2520B		1	811285	AC	EET CHI	03/26/25 09:02
Total/NA	Analysis	SM 2540C		1	809374	CLB	EET CHI	03/11/25 00:35
Total/NA	Analysis	SM 2540D		1	809437	SO	EET CHI	03/11/25 09:49 - 03/11/25 09:52 [1]
Total/NA	Analysis	SM 4500 S2 F		1	809210	CLB	EET CHI	03/10/25 04:30 - 03/10/25 04:37 [1]
Dissolved	Analysis	SM 5310C		1	810702	TR	EET CHI	03/20/25 02:19
Total/NA	Analysis	SM 5310C		1	810701	TR	EET CHI	03/19/25 19:20

Client Sample ID: PRC-01_20250304_FBLL

Lab Sample ID: 500-264885-8

Date Collected: 03/04/25 17:00

Matrix: Water

Date Received: 03/07/25 09:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	1631E		1	5876	CL	EET SSM	03/28/25 14:42

Lab Chronicle

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264885-1

Client Sample ID: SMW-35B_20250306

Lab Sample ID: 500-264885-9

Date Collected: 03/06/25 10:30

Matrix: Water

Date Received: 03/07/25 09:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	1630			5821	AJD	EET SSM	03/27/25 12:42
Dissolved	Analysis	1630		1	5863	CL	EET SSM	03/27/25 23:23
Total/NA	Prep	1630			5821	AJD	EET SSM	03/27/25 12:42
Total/NA	Analysis	1630		1	5863	CL	EET SSM	03/27/25 20:40
Dissolved	Analysis	1631E		1	5876	CL	EET SSM	03/28/25 15:15
Total/NA	Analysis	1631E		1	5876	CL	EET SSM	03/28/25 14:46
Dissolved	Prep	1638			5552	V1R	EET SSM	03/14/25 11:45
Dissolved	Analysis	1638		1	5599	V1R	EET SSM	03/15/25 02:54
Total Recoverable	Prep	1638			5552	V1R	EET SSM	03/14/25 11:45
Total Recoverable	Analysis	1638		1	5599	V1R	EET SSM	03/15/25 03:43
Dissolved	Prep	3005A			809538	S1Z	EET CHI	03/11/25 17:43 - 03/11/25 23:43 [1]
Dissolved	Analysis	6020B		1	810390	RN	EET CHI	03/18/25 13:39
Total Recoverable	Prep	3005A			809538	S1Z	EET CHI	03/11/25 17:43 - 03/11/25 23:43 [1]
Total Recoverable	Analysis	6020B		1	810390	RN	EET CHI	03/18/25 13:37
Total Recoverable	Prep	3005A			809538	S1Z	EET CHI	03/11/25 17:43 - 03/11/25 23:43 [1]
Total Recoverable	Analysis	SM 2340B		1	810437	DAJ	EET CHI	03/19/25 10:54
Total/NA	Analysis	300.0		1	809127	MB	EET CHI	03/07/25 16:46
Total/NA	Analysis	300.0		1	809128	MB	EET CHI	03/07/25 16:46
Total/NA	Prep	Distill/CN			809204	AC	EET CHI	03/09/25 11:21 - 03/09/25 11:51 [1]
Total/NA	Analysis	335.4		1	809211	AC	EET CHI	03/09/25 13:00
Total/NA	Prep	Distill/Ammonia			810791	EB	EET CHI	03/21/25 12:37 - 03/21/25 13:37 [1]
Total/NA	Analysis	350.1		1	810879	EB	EET CHI	03/21/25 17:33
Total/NA	Prep	365.2/365.3/365			809361	MF	EET CHI	03/11/25 07:30 - 03/11/25 11:30 [1]
Total/NA	Analysis	365.1		1	809855	KF	EET CHI	03/13/25 11:31
Total/NA	Analysis	SM 2320B		1	810189	AC	EET CHI	03/17/25 10:16
Total/NA	Analysis	SM 2520B		1	811285	AC	EET CHI	03/26/25 09:02
Total/NA	Analysis	SM 2540C		1	809374	CLB	EET CHI	03/11/25 00:37
Total/NA	Analysis	SM 2540D		1	809670	SO	EET CHI	03/12/25 20:05 - 03/12/25 21:05 [1]
Total/NA	Analysis	SM 4500 S2 F		1	809373	CLB	EET CHI	03/10/25 23:11 - 03/10/25 23:14 [1]
Dissolved	Analysis	SM 5310C		1	810702	TR	EET CHI	03/20/25 02:51
Total/NA	Analysis	SM 5310C		1	810701	TR	EET CHI	03/19/25 19:52

Client Sample ID: SMW-35B_20250306_FBLL

Lab Sample ID: 500-264885-10

Date Collected: 03/06/25 10:30

Matrix: Water

Date Received: 03/07/25 09:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	1631E		1	5876	CL	EET SSM	03/28/25 14:50

Lab Chronicle

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264885-1

Client Sample ID: SMW-3_20250306

Lab Sample ID: 500-264885-11

Date Collected: 03/06/25 11:45

Matrix: Water

Date Received: 03/07/25 09:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	1630			5821	AJD	EET SSM	03/27/25 12:42
Dissolved	Analysis	1630		1	5863	CL	EET SSM	03/27/25 23:43
Total/NA	Prep	1630			5821	AJD	EET SSM	03/27/25 12:42
Total/NA	Analysis	1630		1	5863	CL	EET SSM	03/27/25 23:33
Dissolved	Analysis	1631E		1	5876	CL	EET SSM	03/28/25 15:27
Total/NA	Analysis	1631E		1	5876	CL	EET SSM	03/28/25 14:54
Dissolved	Prep	1638			5552	V1R	EET SSM	03/14/25 11:45
Dissolved	Analysis	1638		1	5599	V1R	EET SSM	03/15/25 02:26
Total Recoverable	Prep	1638			5552	V1R	EET SSM	03/14/25 11:45
Total Recoverable	Analysis	1638		1	5599	V1R	EET SSM	03/15/25 03:46
Dissolved	Prep	3005A			809538	S1Z	EET CHI	03/11/25 17:43 - 03/11/25 23:43 [1]
Dissolved	Analysis	6020B		1	810390	RN	EET CHI	03/18/25 13:44
Total Recoverable	Prep	3005A			809538	S1Z	EET CHI	03/11/25 17:43 - 03/11/25 23:43 [1]
Total Recoverable	Analysis	6020B		1	810390	RN	EET CHI	03/18/25 13:42
Total Recoverable	Prep	3005A			809538	S1Z	EET CHI	03/11/25 17:43 - 03/11/25 23:43 [1]
Total Recoverable	Analysis	SM 2340B		1	810437	DAJ	EET CHI	03/19/25 10:54
Total/NA	Analysis	300.0		1	809127	MB	EET CHI	03/07/25 17:01
Total/NA	Analysis	300.0		1	809128	MB	EET CHI	03/07/25 17:01
Total/NA	Prep	Distill/CN			809204	AC	EET CHI	03/09/25 11:21 - 03/09/25 11:51 [1]
Total/NA	Analysis	335.4		1	809211	AC	EET CHI	03/09/25 13:01
Total/NA	Prep	Distill/Ammonia			810791	EB	EET CHI	03/21/25 12:37 - 03/21/25 13:37 [1]
Total/NA	Analysis	350.1		1	810879	EB	EET CHI	03/21/25 17:33
Total/NA	Prep	365.2/365.3/365			809361	MF	EET CHI	03/11/25 07:30 - 03/11/25 11:30 [1]
Total/NA	Analysis	365.1		1	809855	KF	EET CHI	03/13/25 11:32
Total/NA	Analysis	SM 2320B		1	810189	AC	EET CHI	03/17/25 10:34
Total/NA	Analysis	SM 2520B		1	811285	AC	EET CHI	03/26/25 09:02
Total/NA	Analysis	SM 2540C		1	809374	CLB	EET CHI	03/11/25 00:40
Total/NA	Analysis	SM 2540D		1	809670	SO	EET CHI	03/12/25 21:05 - 03/12/25 22:05 [1]
Total/NA	Analysis	SM 4500 S2 F		1	809373	CLB	EET CHI	03/10/25 23:14 - 03/10/25 23:18 [1]
Dissolved	Analysis	SM 5310C		1	810702	TR	EET CHI	03/20/25 05:32
Total/NA	Analysis	SM 5310C		1	810701	TR	EET CHI	03/19/25 20:24

Client Sample ID: SMW-3_20250306_FBLL

Lab Sample ID: 500-264885-12

Date Collected: 03/06/25 11:45

Matrix: Water

Date Received: 03/07/25 09:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	1631E		1	5876	CL	EET SSM	03/28/25 14:58

Lab Chronicle

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264885-1

Client Sample ID: CBR-02_20250304

Lab Sample ID: 500-264885-13

Date Collected: 03/04/25 13:00

Matrix: Water

Date Received: 03/07/25 09:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	1630			5821	AJD	EET SSM	03/27/25 12:42
Dissolved	Analysis	1630		1	5863	CL	EET SSM	03/28/25 00:04
Total/NA	Prep	1630			5875	AJD	EET SSM	03/31/25 11:40
Total/NA	Analysis	1630		1	5914	CL	EET SSM	03/31/25 21:37
Dissolved	Analysis	1631E		1	5876	CL	EET SSM	03/28/25 15:32
Total/NA	Analysis	1631E		1	5876	CL	EET SSM	03/28/25 15:02
Dissolved	Prep	1638			5552	V1R	EET SSM	03/14/25 11:45
Dissolved	Analysis	1638		1	5599	V1R	EET SSM	03/15/25 02:57
Total Recoverable	Prep	1638			5552	V1R	EET SSM	03/14/25 11:45
Total Recoverable	Analysis	1638		1	5599	V1R	EET SSM	03/15/25 03:50
Dissolved	Prep	3005A			809538	S1Z	EET CHI	03/11/25 17:43 - 03/11/25 23:43 [1]
Dissolved	Analysis	6020B		1	810390	RN	EET CHI	03/18/25 13:49
Total Recoverable	Prep	3005A			809538	S1Z	EET CHI	03/11/25 17:43 - 03/11/25 23:43 [1]
Total Recoverable	Analysis	6020B		1	810390	RN	EET CHI	03/18/25 13:47
Total Recoverable	Prep	3005A			809538	S1Z	EET CHI	03/11/25 17:43 - 03/11/25 23:43 [1]
Total Recoverable	Analysis	SM 2340B		1	810437	DAJ	EET CHI	03/19/25 10:54
Total/NA	Analysis	300.0		1	809127	MB	EET CHI	03/07/25 17:47
Total/NA	Analysis	300.0		1	809128	MB	EET CHI	03/07/25 17:47
Total/NA	Prep	Distill/CN			809204	AC	EET CHI	03/09/25 11:21 - 03/09/25 11:51 [1]
Total/NA	Analysis	335.4		1	809211	AC	EET CHI	03/09/25 13:01
Total/NA	Prep	Distill/Ammonia			810791	EB	EET CHI	03/21/25 12:37 - 03/21/25 13:37 [1]
Total/NA	Analysis	350.1		1	810879	EB	EET CHI	03/21/25 17:34
Total/NA	Prep	365.2/365.3/365			809703	MF	EET CHI	03/13/25 07:45 - 03/13/25 11:45 [1]
Total/NA	Analysis	365.1		1	809870	KF	EET CHI	03/13/25 16:03
Total/NA	Analysis	SM 2320B		1	810035	AC	EET CHI	03/16/25 11:39
Total/NA	Analysis	SM 2520B		1	811285	AC	EET CHI	03/26/25 09:02
Total/NA	Analysis	SM 2540C		1	809375	CLB	EET CHI	03/11/25 03:01
Total/NA	Analysis	SM 2540D		1	809437	SO	EET CHI	03/11/25 09:52 - 03/11/25 09:55 [1]
Total/NA	Analysis	SM 4500 S2 F		1	809210	CLB	EET CHI	03/10/25 04:37 - 03/10/25 04:44 [1]
Dissolved	Analysis	SM 5310C		1	810702	TR	EET CHI	03/20/25 07:09
Total/NA	Analysis	SM 5310C		1	810701	TR	EET CHI	03/19/25 22:01

Client Sample ID: CBR-02_20250304_FBLL

Lab Sample ID: 500-264885-14

Date Collected: 03/04/25 13:00

Matrix: Water

Date Received: 03/07/25 09:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	1631E		1	5876	CL	EET SSM	03/28/25 15:07

Lab Chronicle

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264885-1

Client Sample ID: LKS-01_20250304

Lab Sample ID: 500-264885-15

Date Collected: 03/04/25 15:00
Matrix: Water
Date Received: 03/07/25 09:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	1630			5686	JS	EET SSM	03/20/25 12:01
Dissolved	Analysis	1630		1	5728	COW	EET SSM	03/21/25 01:27
Total/NA	Prep	1630			5686	JS	EET SSM	03/20/25 12:01
Total/NA	Analysis	1630		1	5728	COW	EET SSM	03/21/25 01:16
Dissolved	Analysis	1631E		1	5615	AJD	EET SSM	03/17/25 18:42
Total/NA	Analysis	1631E		1	5615	AJD	EET SSM	03/17/25 18:38
Dissolved	Prep	1638			5552	V1R	EET SSM	03/14/25 11:45
Dissolved	Analysis	1638		1	5599	V1R	EET SSM	03/15/25 03:01
Total Recoverable	Prep	1638			5553	V1R	EET SSM	03/14/25 11:45
Total Recoverable	Analysis	1638		1	5599	V1R	EET SSM	03/15/25 04:14
Dissolved	Prep	3005A			809590	BDE	EET CHI	03/12/25 08:23 - 03/12/25 14:23 [1]
Dissolved	Analysis	6020B		1	810729	RN	EET CHI	03/20/25 15:35
Total Recoverable	Prep	3005A			809590	BDE	EET CHI	03/12/25 08:23 - 03/12/25 14:23 [1]
Total Recoverable	Analysis	6020B		1	810729	RN	EET CHI	03/20/25 15:33
Total Recoverable	Prep	3005A			809590	BDE	EET CHI	03/12/25 08:23 - 03/12/25 14:23 [1]
Total Recoverable	Analysis	SM 2340B		1	810752	DAJ	EET CHI	03/21/25 08:50
Total/NA	Analysis	300.0		1	809127	MB	EET CHI	03/07/25 18:02
Total/NA	Analysis	300.0		1	809128	MB	EET CHI	03/07/25 18:02
Total/NA	Prep	Distill/CN			809204	AC	EET CHI	03/09/25 11:21 - 03/09/25 11:51 [1]
Total/NA	Analysis	335.4		1	809211	AC	EET CHI	03/09/25 13:03
Total/NA	Prep	Distill/Ammonia			810791	EB	EET CHI	03/21/25 12:37 - 03/21/25 13:37 [1]
Total/NA	Analysis	350.1		1	810879	EB	EET CHI	03/21/25 17:34
Total/NA	Prep	365.2/365.3/365			809703	MF	EET CHI	03/13/25 07:45 - 03/13/25 11:45 [1]
Total/NA	Analysis	365.1		1	809870	KF	EET CHI	03/13/25 16:04
Total/NA	Analysis	SM 2320B		1	810035	AC	EET CHI	03/16/25 11:47
Total/NA	Analysis	SM 2520B		1	811285	AC	EET CHI	03/26/25 09:02
Total/NA	Analysis	SM 2540C		1	809375	CLB	EET CHI	03/11/25 03:10
Total/NA	Analysis	SM 2540D		1	809437	SO	EET CHI	03/11/25 09:54 - 03/11/25 09:57 [1]
Total/NA	Analysis	SM 4500 S2 F		1	809210	CLB	EET CHI	03/10/25 04:44 - 03/10/25 04:51 [1]
Dissolved	Analysis	SM 5310C		1	810702	TR	EET CHI	03/20/25 07:41
Total/NA	Analysis	SM 5310C		1	810701	TR	EET CHI	03/19/25 22:33

Client Sample ID: LKS-01_20250304_FBLL

Lab Sample ID: 500-264885-16

Date Collected: 03/04/25 15:00
Matrix: Water
Date Received: 03/07/25 09:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	1631E		1	5615	AJD	EET SSM	03/17/25 18:47

Lab Chronicle

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264885-1

Client Sample ID: MW-37_20250304

Date Collected: 03/04/25 13:25
Date Received: 03/07/25 09:10

Lab Sample ID: 500-264885-17

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	1630			5686	JS	EET SSM	03/20/25 12:01
Dissolved	Analysis	1630		1	5728	COW	EET SSM	03/21/25 01:47
Total/NA	Prep	1630			5686	JS	EET SSM	03/20/25 12:01
Total/NA	Analysis	1630		1	5728	COW	EET SSM	03/21/25 01:37
Dissolved	Analysis	1631E		1	5615	AJD	EET SSM	03/17/25 18:55
Total/NA	Analysis	1631E		1	5615	AJD	EET SSM	03/17/25 18:51
Dissolved	Prep	1638			5552	V1R	EET SSM	03/14/25 11:45
Dissolved	Analysis	1638		1	5599	V1R	EET SSM	03/15/25 03:04
Total Recoverable	Prep	1638			5553	V1R	EET SSM	03/14/25 11:45
Total Recoverable	Analysis	1638		1	5599	V1R	EET SSM	03/15/25 04:24
Dissolved	Prep	3005A			809590	BDE	EET CHI	03/12/25 08:23 - 03/12/25 14:23 [1]
Dissolved	Analysis	6020B		1	810729	RN	EET CHI	03/20/25 15:46
Total Recoverable	Prep	3005A			809590	BDE	EET CHI	03/12/25 08:23 - 03/12/25 14:23 [1]
Total Recoverable	Analysis	6020B		1	810729	RN	EET CHI	03/20/25 15:44
Total Recoverable	Prep	3005A			809590	BDE	EET CHI	03/12/25 08:23 - 03/12/25 14:23 [1]
Total Recoverable	Analysis	SM 2340B		1	810752	DAJ	EET CHI	03/21/25 08:50
Total/NA	Analysis	300.0		1	809127	MB	EET CHI	03/08/25 07:46
Total/NA	Analysis	300.0		1	809128	MB	EET CHI	03/08/25 07:46
Total/NA	Prep	Distill/CN			809204	AC	EET CHI	03/09/25 11:21 - 03/09/25 11:51 [1]
Total/NA	Analysis	335.4		1	809211	AC	EET CHI	03/09/25 13:03
Total/NA	Prep	Distill/Ammonia			810791	EB	EET CHI	03/21/25 12:37 - 03/21/25 13:37 [1]
Total/NA	Analysis	350.1		1	810879	EB	EET CHI	03/21/25 17:35
Total/NA	Prep	365.2/365.3/365			809703	MF	EET CHI	03/13/25 07:45 - 03/13/25 11:45 [1]
Total/NA	Analysis	365.1		1	809870	KF	EET CHI	03/13/25 16:05
Total/NA	Analysis	SM 2320B		1	810035	AC	EET CHI	03/16/25 11:55
Total/NA	Analysis	SM 2520B		1	811285	AC	EET CHI	03/26/25 09:02
Total/NA	Analysis	SM 2540C		1	809375	CLB	EET CHI	03/11/25 03:16
Total/NA	Analysis	SM 2540D		1	809437	SO	EET CHI	03/11/25 09:57 - 03/11/25 10:00 [1]
Total/NA	Analysis	SM 4500 S2 F		1	809210	CLB	EET CHI	03/10/25 04:51 - 03/10/25 04:58 [1]
Dissolved	Analysis	SM 5310C		1	810702	TR	EET CHI	03/20/25 08:14
Total/NA	Analysis	SM 5310C		1	810701	TR	EET CHI	03/19/25 23:05

Client Sample ID: MW-37_20250304_FBLL

Date Collected: 03/04/25 13:25
Date Received: 03/07/25 09:10

Lab Sample ID: 500-264885-18

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	1631E		1	5615	AJD	EET SSM	03/17/25 18:59

Lab Chronicle

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264885-1

Client Sample ID: FB-02_20250304_FBLL

Lab Sample ID: 500-264885-19

Date Collected: 03/04/25 19:00
Matrix: Water
Date Received: 03/07/25 09:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	1631E		1	5523	CL	EET SSM	03/12/25 13:22

Client Sample ID: MW-42_20250304

Lab Sample ID: 500-264885-20

Date Collected: 03/04/25 11:00
Matrix: Water
Date Received: 03/07/25 09:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	1630			5791	AJD	EET SSM	03/26/25 12:10
Dissolved	Analysis	1630		1	5863	CL	EET SSM	03/26/25 19:31
Total/NA	Prep	1630			5791	AJD	EET SSM	03/26/25 12:10
Total/NA	Analysis	1630		1	5863	CL	EET SSM	03/26/25 19:20
Dissolved	Analysis	1631E		1	5615	AJD	EET SSM	03/17/25 19:03
Total/NA	Analysis	1631E		1	5523	CL	EET SSM	03/12/25 13:26
Dissolved	Prep	1638			5552	V1R	EET SSM	03/14/25 11:45
Dissolved	Analysis	1638		1	5599	V1R	EET SSM	03/15/25 03:08
Total Recoverable	Prep	1638			5553	V1R	EET SSM	03/14/25 11:45
Total Recoverable	Analysis	1638		1	5599	V1R	EET SSM	03/15/25 04:28
Dissolved	Prep	3005A			809590	BDE	EET CHI	03/12/25 08:23 - 03/12/25 14:23 [1]
Dissolved	Analysis	6020B		1	810729	RN	EET CHI	03/20/25 15:51
Total Recoverable	Prep	3005A			809590	BDE	EET CHI	03/12/25 08:23 - 03/12/25 14:23 [1]
Total Recoverable	Analysis	6020B		1	810729	RN	EET CHI	03/20/25 15:49
Total Recoverable	Prep	3005A			809590	BDE	EET CHI	03/12/25 08:23 - 03/12/25 14:23 [1]
Total Recoverable	Analysis	SM 2340B		1	810752	DAJ	EET CHI	03/21/25 08:50
Total/NA	Analysis	300.0		1	809127	MB	EET CHI	03/08/25 08:01
Total/NA	Analysis	300.0		1	809128	MB	EET CHI	03/08/25 08:01
Total/NA	Prep	Distill/CN			809204	AC	EET CHI	03/09/25 11:21 - 03/09/25 11:51 [1]
Total/NA	Analysis	335.4		1	809211	AC	EET CHI	03/09/25 13:04
Total/NA	Prep	Distill/Ammonia			810791	EB	EET CHI	03/21/25 12:37 - 03/21/25 13:37 [1]
Total/NA	Analysis	350.1		1	810879	EB	EET CHI	03/21/25 17:35
Total/NA	Prep	365.2/365.3/365			809703	MF	EET CHI	03/13/25 07:45 - 03/13/25 11:45 [1]
Total/NA	Analysis	365.1		1	809870	KF	EET CHI	03/13/25 16:06
Total/NA	Analysis	SM 2320B		1	810035	AC	EET CHI	03/16/25 12:04
Total/NA	Analysis	SM 2520B		1	811285	AC	EET CHI	03/26/25 09:02
Total/NA	Analysis	SM 2540C		1	809375	CLB	EET CHI	03/11/25 03:19
Total/NA	Analysis	SM 2540D		1	809437	SO	EET CHI	03/11/25 10:00 - 03/11/25 10:03 [1]
Total/NA	Analysis	SM 4500 S2 F		1	809210	CLB	EET CHI	03/10/25 04:58 - 03/10/25 05:05 [1]
Dissolved	Analysis	SM 5310C		1	810702	TR	EET CHI	03/20/25 08:46
Total/NA	Analysis	SM 5310C		1	810701	TR	EET CHI	03/19/25 23:38

Lab Chronicle

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264885-1

Client Sample ID: MW-42_20250304_FBLL
Lab Sample ID: 500-264885-21
Date Collected: 03/04/25 11:00
Matrix: Water
Date Received: 03/07/25 09:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	1631E		1	5523	CL	EET SSM	03/12/25 13:30

Client Sample ID: MW-41_202503004
Lab Sample ID: 500-264885-22
Date Collected: 03/04/25 15:15
Matrix: Water
Date Received: 03/07/25 09:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	1638			5552	V1R	EET SSM	03/14/25 11:45
Total Recoverable	Analysis	1638		1	5599	V1R	EET SSM	03/15/25 04:45
Total Recoverable	Prep	3005A			809590	BDE	EET CHI	03/12/25 08:23 - 03/12/25 14:23 [1]
Total Recoverable	Analysis	6020B		1	810729	RN	EET CHI	03/20/25 15:54
Total Recoverable	Prep	3005A			809590	BDE	EET CHI	03/12/25 08:23 - 03/12/25 14:23 [1]
Total Recoverable	Analysis	SM 2340B		1	810752	DAJ	EET CHI	03/21/25 08:50

Client Sample ID: MW-41_202503004_FBLL
Lab Sample ID: 500-264885-23
Date Collected: 03/04/25 15:15
Matrix: Water
Date Received: 03/07/25 09:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	1631E		1	5615	AJD	EET SSM	03/17/25 19:16

Client Sample ID: MW-38_20250304
Lab Sample ID: 500-264885-24
Date Collected: 03/04/25 09:40
Matrix: Water
Date Received: 03/07/25 09:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	1630			5791	AJD	EET SSM	03/26/25 12:10
Dissolved	Analysis	1630		1	5863	CL	EET SSM	03/26/25 19:51
Total/NA	Prep	1630			5791	AJD	EET SSM	03/26/25 12:10
Total/NA	Analysis	1630		1	5863	CL	EET SSM	03/26/25 19:41
Dissolved	Analysis	1631E		1	5615	AJD	EET SSM	03/17/25 19:24
Total/NA	Analysis	1631E		1	5615	AJD	EET SSM	03/17/25 19:20
Dissolved	Prep	1638			5552	V1R	EET SSM	03/14/25 11:45
Dissolved	Analysis	1638		1	5599	V1R	EET SSM	03/15/25 03:11
Total Recoverable	Prep	1638			5553	V1R	EET SSM	03/14/25 11:45
Total Recoverable	Analysis	1638		1	5599	V1R	EET SSM	03/15/25 04:31
Dissolved	Prep	3005A			809590	BDE	EET CHI	03/12/25 08:23 - 03/12/25 14:23 [1]
Dissolved	Analysis	6020B		1	810729	RN	EET CHI	03/20/25 15:58
Total Recoverable	Prep	3005A			809590	BDE	EET CHI	03/12/25 08:23 - 03/12/25 14:23 [1]
Total Recoverable	Analysis	6020B		1	810729	RN	EET CHI	03/20/25 15:56
Total Recoverable	Prep	3005A			809590	BDE	EET CHI	03/12/25 08:23 - 03/12/25 14:23 [1]
Total Recoverable	Analysis	SM 2340B		1	810752	DAJ	EET CHI	03/21/25 08:50
Total/NA	Analysis	300.0		1	809127	MB	EET CHI	03/08/25 08:16
Total/NA	Analysis	300.0		1	809128	MB	EET CHI	03/08/25 08:16

Lab Chronicle

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264885-1

Client Sample ID: MW-38_20250304

Lab Sample ID: 500-264885-24

Date Collected: 03/04/25 09:40
Matrix: Water
Date Received: 03/07/25 09:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	Distill/CN			809204	AC	EET CHI	03/09/25 11:21 - 03/09/25 11:51 [1]
Total/NA	Analysis	335.4		1	809211	AC	EET CHI	03/09/25 13:05
Total/NA	Prep	Distill/Ammonia			810791	EB	EET CHI	03/21/25 12:37 - 03/21/25 13:37 [1]
Total/NA	Analysis	350.1		1	810879	EB	EET CHI	03/21/25 17:36
Total/NA	Prep	365.2/365.3/365			809703	MF	EET CHI	03/13/25 07:45 - 03/13/25 11:45 [1]
Total/NA	Analysis	365.1		1	809870	KF	EET CHI	03/13/25 16:07
Total/NA	Analysis	SM 2320B		1	810035	AC	EET CHI	03/16/25 12:15
Total/NA	Analysis	SM 2520B		1	811285	AC	EET CHI	03/26/25 09:02
Total/NA	Analysis	SM 2540C		1	809375	CLB	EET CHI	03/11/25 03:22
Total/NA	Analysis	SM 2540D		1	809437	SO	EET CHI	03/11/25 10:03 - 03/11/25 10:06 [1]
Total/NA	Analysis	SM 4500 S2 F		1	809210	CLB	EET CHI	03/10/25 05:05 - 03/10/25 05:12 [1]
Dissolved	Analysis	SM 5310C		1	810702	TR	EET CHI	03/20/25 09:18
Total/NA	Analysis	SM 5310C		1	810701	TR	EET CHI	03/20/25 00:10

Client Sample ID: MW-38_20250304_FBLL

Lab Sample ID: 500-264885-25

Date Collected: 03/04/25 09:40
Matrix: Water
Date Received: 03/07/25 09:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	1631E		1	5615	AJD	EET SSM	03/17/25 19:28

[1] This procedure uses a method stipulated length of time for the process. Both start and end times are displayed.

Laboratory References:

EET CHI = Eurofins Chicago, 18410 Crossing Drive, Suite E, Tinley Park, IL 60487, TEL (708)534-5200

EET SSM = Eurofins Seattle Specialty Metals, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

Accreditation/Certification Summary

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-264885-1

Laboratory: Eurofins Chicago

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Georgia	State	N/A	05-31-25
Georgia (DW)	State	939	05-31-25
Hawaii	State	NA	05-31-25
Illinois	NELAP	100201	05-31-25
Indiana	State	C-IL-02	05-31-25
Iowa	State	082	05-01-26
Kansas	NELAP	E-10161	10-31-25
Kentucky (UST)	State	AI # 108083	05-31-25
Kentucky (WW)	State	KY90023	12-31-24 *
Louisiana (All)	NELAP	02046	06-30-25
Mississippi	State	NA	05-31-25
North Carolina (WW/SW)	State	291	12-31-25
North Dakota	State	R-194	04-29-24 *
Oklahoma	State	8908	08-31-25
South Carolina	State	77001003	05-31-25
USDA	US Federal Programs	P330-18-00018	03-30-26
Wisconsin	State	399172840	08-31-25
Wyoming	State	8TMS-Q	05-31-25

Laboratory: Eurofins Seattle Specialty Metals

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	20-004	02-19-27
ANAB	Dept. of Defense ELAP	L2236	01-19-27
ANAB	Dept. of Energy	L2236.01	01-19-27
ANAB	ISO/IEC 17025	L2236	01-19-27
California	State	2954	07-07-25
Florida	NELAP	E87575	06-30-25
Louisiana (All)	NELAP	03073	06-30-25
Maine	State	WA01273	05-02-26
New Jersey	NELAP	WA014	06-30-25
New York	NELAP	11662	04-01-25
Oregon	NELAP	4167-008	07-07-25
US Fish & Wildlife	US Federal Programs	A20571	06-30-25
USDA	US Federal Programs	525-23-4-22573	01-04-26
Washington	State	C788-23a	07-13-25
Wisconsin	State	399133460	07-31-25

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Eurofins Chicago
18410 Crossing Drive, Suite E
Tinley Park, IL 60487
Phone (708) 534-5200 Phone (262) 202-5955

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Jacob Dean	Lab PM: Fredrick, Sandie	Carrier Tracking No(s): 437605685366	COC No: 500-133049-50241 23
Client Contact: Amanda Zeidler	Phone: 906-487 7454	E-Mail: Sandra Fredrick@et eurofinsus.com	State of Origin: Michigan	Page: Page 1 of 1
Company: White Pine Copper LLC	PWSID:			Job #: 500-264885
Address: 35362 Mall Circle Drive	Due Date Requested:			
City: White Pine	TAT Requested (days): 10 days			
State, Zip: MI, 49971	Compliance Project: Δ Yes Δ No			
Phone: 906-204-6500	PO #: Purchase Order not required			
Email: AZeidler@whitepinecu com	WO #:			
Project Name: White Pines, MI	Project #: 50023455			
Site: White Pine North Baseline Sampling	SSOW#:			

Analysis Requested

Preservation Codes:
S - H2SO4
N None
CB ZnAcetate/NaOH
B NaOH
D HNO3
A HCL

500-264885 COC

Other:

	Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	350.1 Ammonia, 365.1 Phos	2320B, 2540C, 2540D, 300.0_28D, 300_48HR, SM2520_B	SM4500_S2_F - Sulfide, Total	335.4 - Cyanide, Total	SM5310_DOC_C - Organic Carbon, Dissolved (DOC) - tripli	6020B, SM2340B Total Metals / Hardness	1638 - Uranium only (ICP/MS)	1631E - Mercury, Low Level (CVAFS)	1630_ME - Methyl Mercury	6020B - Dissolved Metals (ICP/MS) - 27 elements	1638 - Dissolved Uranium only (ICP/MS) (field filtered)	1631E - Dissolved Mercury, Low Level (CVAFS) (filtered)	1630_ME - Dissolved Methyl Mercury (field filtered)	5310C - TOC	Total Number of containers	Special Instructions/Note:
				Preservation Code:				S	N	CB	B	S	D	D	N	A	D	D	N	A	S		
1	PTC-01_20250306	3 6 25	1030	G	Water	Y		X	X	X	X	X	X	X	X	X	X	X	X	X	X	22	
2	PTC-01_20250306_FBLL	3 6 25	1030	G	Water										X							2	
3	ARC-03_20250306	3 6 25	1200	G	Water	Y		X	X	X	X	X	X	X	X	X	X	X	X	X	X	22	
4	ARC-03_20250306 FBLL	3 6 25	1200	G	Water										X							2	
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested I, II, III, IV, Other (specify)

Special Instructions/QC Requirements MDLs must meet Michigan requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment: FedEx Priority Overnight

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
	Relinquished by: Jacob Dean	3-6 25 1300	MSG	FedEx 437605685366		
	Relinquished by	Date/Time	Company	Received by: Stephanie Hernandez	3/7/25 0910	FETA
	Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company

Custody Seals Intact. Δ Yes Δ No | Custody Seal No

Cooler Temperature(s) °C and Other Remarks. 2.6+2.6, 0.8+0.5, 0.6+0.3, 1.7+1.4
1.8+1.5, 1.4+1.1

Eurofins Chicago
18410 Crossing Drive, Suite E
Tinley Park, IL 60487
Phone (708) 534-5200 Phone (262) 202-5955

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Jacob Dan	Lab PM: Fredrick, Sandie	Carrier Tracking No(s): 4376 05685322	COC No.: 500-133049-50241 9
Client Contact: Amanda Zeidler	Phone: 906 457 141	E-Mail: Sandra Fredrick@et eurofinsus com	State of Origin: Michigan	Page: Page 1 of 1
Company: White Pine Copper LLC	PWSID:			Job #: 500-264885
Address: 35362 Mall Circle Drive	Due Date Requested:			
City: White Pine	TAT Requested (days): 10 days			
State Zip: MI, 49971	Compliance Project: Δ Yes Δ No			
Phone: 906-204-6500	PO #: Purchase Order not required			
Email: AZeidler@whitepinecu com	WO #:			
Project Name: White Pines, MI	Project #: 50023455			
Site: White Pine North Baseline Sampling	SSOW#:			

Analysis Requested

Preservation Codes:
S H2SO4
N None
CB ZnAcetate/NaOH
B - NaOH
D - HNO3
A - HCL
Other

	Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	350.1 Ammonia, 365.1 Phos	2320B, 2540C, 2540D, 300.0_28D, 300_48HR, SM2520_B	SM4500_S2_F - Sulfide, Total	335.4 - Cyanide, Total	SM5310_DOC_C - Organic Carbon, Dissolved (DOC) - tripli	6020B, SM2340B Total Metals / Hardness	1638 - Uranium only (ICP/MS)	1631E - Mercury, Low Level (CVAFS)	1630_ME - Methyl Mercury	6020B - Dissolved Metals (ICP/MS) - 27 elements	1638 - Dissolved Uranium only (ICP/MS) (field filtered)	1631E - Dissolved Mercury, Low Level (CVAFS) (filtered)	1630_ME - Dissolved Methyl Mercury (field filtered)	5310C - TOC	Total Number of containers	Special Instructions/Note:
				Preservation Code:				S	N	CB	B	S	D	D	N	A	D	D	N	A	S		
5	PNC 01 20250304	3 4 25	11 30	G	Water	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	22	
6	PNC 04 20250304 FBLL	3 4 25	11 30	G	Water										X							2	
7	PRC 01 20250304	3 4 25	17 00	G	Water	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	22	
8	PRC 01 20250304 FBLL	3 4 25	17 00	G	Water										X							2	
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested I, II, III, IV, Other (specify)

Special Instructions/QC Requirements MDLs must meet Michigan requirements

Empty Kit Relinquished by:	Date	Time	Method of Shipment: FedEx Priority Overnight

	Relinquished by	Date/Time:	Company	Received by	Date/Time:	Company
1	Jacob Dan	3-4-25 18:00	MSG		3-4-25 18:00	MSG
2		3-5-25 08:00	MSG	FedEx 4376 0568 5322	Date/Time	Company
3		Date/Time	Company	Stephanie Hernandez	3/7/25 0910	EEIA

Custody Seals Intact Δ Yes Δ No | Custody Seal No | Cooler Temperature(s) °C and Other Remarks.

Eurofins Chicago
18410 Crossing Drive, Suite E
Tinley Park, IL 60487
Phone (708) 534-5200 Phone (262) 202-5955

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Ellen Coppernoll	Lab PM: Fredrick, Sandie	Carrier Tracking No(s): 4376 0568 5355	COC No: 500-133049-50241 26
Client Contact: Amanda Zeidler	Phone: 517-513-2249	E-Mail: Sandra Fredrick@et.eurofinsus com	State of Origin: Michigan	Page: Page 1 of 1
Company: White Pine Copper LLC	PWSID:			Job #: 500-204885
Address: 35362 Mall Circle Drive	Due Date Requested:			
City: White Pine	TAT Requested (days): 10 days			
State, Zip: MI, 49971	Compliance Project: Δ Yes Δ No			
Phone: 906-204-6500	PO #: Purchase Order not required			
Email: AZeidler@whitepinecu com	WO #:			
Project Name: White Pines, MI	Project #: 50023455			
Site: White Pine North Baseline Sampling	SSOW#:			

Analysis Requested

Preservation Codes:
S H2SO4
N None
CB ZnAcetate/NaOH
B NaOH
D HNO3
A - HCL
Other:

	Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	350.1 Ammonia, 365.1 Phos	2320B, 2540C, 2540D, 300.0_28D, 300_48HR, SM2520_B	SM4500_S2_F - Sulfide, Total	335.4 - Cyanide, Total	SM5310_DOC_C - Organic Carbon, Dissolved (DOC) - tripli	6020B, SM2340B Total Metals / Hardness	1638 - Uranium only (ICP/MS)	1631E - Mercury, Low Level (CVAFS)	1630_ME - Methyl Mercury	6020B - Dissolved Metals (ICP/MS) - 27 elements	1638 - Dissolved Uranium only (ICP/MS) (field filtered)	1631E - Dissolved Mercury, Low Level (CVAFS) (filtered)	1630_ME - Dissolved Methyl Mercury (field filtered)	5310C - TOC	Total Number of containers	Special Instructions/Note:
				Preservation Code:				S	N	CB	B	S	D	D	N	A	D	D	N	A	S		
9	SMW-3SB_20250306	03 06-25	1030	G	Water			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	22	
10	SMW-3SB_20250306_FBLL	03 06-25	1030	G	Water										✓							2	
11	SMW-3_20250306	03 06-25	1145	G	Water			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	23	
12	SMW-3_20250306_FBLL	03 06 25	1145	G	Water										✓							2	
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, ☒ II, III, IV, Other (specify)

Special Instructions/QC Requirements: MDLs must meet Michigan requirements

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment: FEDEX PRIORITY OVERNIGHT

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Ellen	3 6-25 1300	MSG	FEDEX 4376 0568 5355		
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
			Stephanie Hernandez	3/7/25 0910	FEETA
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks:

Eurofins Chicago
18410 Crossing Drive, Suite E
Tinley Park, IL 60487
Phone (708) 534-5200 Phone (262) 202-5955

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: John Dean	Lab PM: Fredrick, Sandie	Carrier Tracking No(s): 4376 0568 5311	COC No: 500-133049-50241 10
Client Contact: Amanda Zeidler	Phone: 906 487 7454	E-Mail: Sandra Fredrick@et.eurofinsus com	State of Origin: Michigan	Page: Page 1 of 1
Company: White Pine Copper LLC	PWSID:			Job #: 500-264005
Address: 35362 Mall Circle Drive	Due Date Requested:			
City: White Pine	TAT Requested (days): 10 days			
State, Zip: MI, 49971	Compliance Project: Δ Yes Δ No			
Phone: 906-204-6500	PO #: Purchase Order not required			
Email: AZeidler@whitepinecu com	WO #:			
Project Name: White Pines, MI	Project #: 50023455			
Site: White Pine North Baseline Sampling	SSOW#:			

Analysis Requested

Preservation Codes:
S - H2SO4
N - None
CB - ZnAcetate/NaOH
B NaOH
D HNO3
A HCL
Other:

	Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	350.1 Ammonia, 365.1 Phos	2320B, 2540C, 2540D, 300.0_28D, 300_48HR, SM2520_B	SM4500_S2_F - Sulfide, Total	335.4 - Cyanide, Total	SM5310_DOC_C - Organic Carbon, Dissolved (DOC) - tripli	6020B, SM2340B Total Metals / Hardness	1638 - Uranium only (ICP/MS)	1631E - Mercury, Low Level (CVAFS)	1630_ME - Methyl Mercury	6020B - Dissolved Metals (ICP/MS) - 27 elements	1638 - Dissolved Uranium only (ICP/MS) (field filtered)	1631E - Dissolved Mercury, Low Level (CVAFS) (filtered)	1630_ME - Dissolved Methyl Mercury (field filtered)	5310C - TOC	Total Number of containers	Special Instructions/Note:
				Preservation Code:				S	N	CB	B	S	D	D	N	A	D	D	N	A	S	
13	CBR 02-20250304	3 4 25	1300	G	Water	Y		X	X	X	X	X	X	X	X	X	X	X	X	X	X	22
14	CBR 02-20250304_TBLL	3 4 25	1300	G	Water										X							2
15	LKS 01-20250304	3 4 25	1300	G	Water	Y		X	X	X	X	X	X	X	X	X	X	X	X	X	X	22
16	LKS 01 20250304_TBLL	3 4 25	1300	G	Water										X							2
					Water																	
					Water																	
					Water																	
					Water																	
					Water																	
					Water																	
					Water																	
					Water																	

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements MDLs must meet Michigan requirements

Empty Kit Relinquished by:	Date	Time	Method of Shipment: FEDEX PRIORITY OVERNIGHT

	Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company
1	John Dean	3-4-25 18:00	MSG		3-4-25 18:00	MSG
2		3-5-25 08:00	MSG	FEDEX 4376 0568 5311		
3				Stephanie Hernandez	3/7/25 0910	FEIA

Custody Seals Intact: Δ Yes Δ No | Custody Seal No | Cooler Temperature(s) °C and Other Remarks

Eurofins Chicago
18410 Crossing Drive, Suite E
Tinley Park, IL 60487
Phone (708) 534-5200 Phone (262) 202-5955

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Ellen Coppernoll	Lab PM: Fredrick, Sandie	Carrier Tracking No(s): 437605685344	COC No: 500-133049-50241 25
Client Contact: Amanda Zeidler	Phone: 517-513-2249	E-Mail: Sandra Fredrick@et eurofinsus com	State of Origin: Michigan	Page: Page 1 of 1
Company: White Pine Copper LLC	PWSID:			Job #: 500-204995
Address: 35362 Mall Circle Drive	Due Date Requested:			
City: White Pine	TAT Requested (days): 10 days			
State Zip: MI, 49971	Compliance Project: Δ Yes Δ No			
Phone: 906-204-6500	PO #: Purchase Order not required			
Email: AZeidler@whitepinecu com	WO #:			
Project Name: White Pines, MI	Project #: 50023455			
Site: White Pine North Baseline Sampling	SSOW#:			

Analysis Requested

Preservation Codes:
S H2SO4
N None
CB ZnAcetate/NaOH
B - NaOH
D HNO3
A HCL
Other:

	Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	350.1 Ammonia, 365.1 Phos	2320B, 2540C, 2540D, 300.0_28D, 300_48HR, SM2520_B	SM4500_S2_F - Sulfide, Total	335.4 - Cyanide, Total	SM5310_DOC_C - Organic Carbon, Dissolved (DOC) - tripli	6020B, SM2340B Total Metals / Hardness	1638 - Uranium only (ICP/MS)	1631E - Mercury, Low Level (CVAFS)	1630_ME - Methyl Mercury	6020B - Dissolved Metals (ICP/MS) - 27 elements	1638 - Dissolved Uranium only (ICP/MS) (field filtered)	1631E - Dissolved Mercury, Low Level (CVAFS) (filtered)	1630_ME - Dissolved Methyl Mercury (field filtered)	5310C - TOC	Total Number of containers	Special Instructions/Note:
				Preservation Code:				S	N	CB	B	S	D	D	N	A	D	D	N	A	S	
17	MW-37_20250304	3-4-25	13:25	G	Water	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	22	
18	MW-37_20250304_FBLL	3-4-25	13:25	G	Water										X							2	
19	FB-02_20250304_FBLL	3-4-25	19:00	G	Water										X							2	
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, ☒ II, III, IV, Other (specify)

Special Instructions/QC Requirements: MDLs must meet Michigan requirements

Empty Kit Relinquished by:	Date	Time	Method of Shipment: FEDEX PRIORITY OVERNIGHT

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1	Ellen Coppernoll	3-4-25 18:00	MSG		3.4.25 18:00	MSG
2		3-5-25 09:00	MSG	FEDEX 437605685344		
3				Stephanie Hernandez	3/7/25 0910	EEIA

Custody Seals Intact: Δ Yes Δ No | Custody Seal No:

Cooler Temperature(s) °C and Other Remarks:

Eurofins Chicago
18410 Crossing Drive, Suite E
Tinley Park, IL 60487
Phone (708) 534-5200 Phone (262) 202-5955

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Ellen Copperno11	Lab PM: Fredrick, Sandie	Carrier Tracking No(s): 4376 0568 5333	COC No: 500-133049-50241 24
Client Contact: Amanda Zeidler	Phone: 517-513-2249	E-Mail: Sandra Fredrick@et eurofinsus com	State of Origin: Michigan	Page: Page 1 of 1
Company: White Pine Copper LLC	PWSID:			Job #: 500-204895
Address: 35362 Mall Circle Drive	Due Date Requested:			
City: White Pine	TAT Requested (days): 10 days			
State, Zip: MI, 49971	Compliance Project: Δ Yes Δ No			
Phone: 906-204-6500	PO #: Purchase Order not required			
Email: AZeidler@whitepinecu com	WO #:			
Project Name: White Pines, MI	Project #: 50023455			
Site: White Pine North Baseline Sampling	SSOW#:			

Analysis Requested

Preservation Codes:
S H2SO4
N None
CB ZnAcetate/NaOH
B - NaOH
D HNO3
A - HCL
Other:

	Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	350.1 Ammonia, 365.1 Phos	2320B, 2540C, 2540D, 300.0_28D, 300_48HR, SM2520_B	SM4500_S2_F - Sulfide, Total	335.4 - Cyanide, Total	SM5310_DOC_C - Organic Carbon, Dissolved (DOC) - tripli	6020B, SM2340B Total Metals / Hardness	1638 - Uranium only (ICP/MS)	1631E - Mercury, Low Level (CVAFS)	1630_ME - Methyl Mercury	6020B - Dissolved Metals (ICP/MS) - 27 elements	1638 - Dissolved Uranium only (ICP/MS) (field filtered)	1631E - Dissolved Mercury, Low Level (CVAFS) (filtered)	1630_ME - Dissolved Methyl Mercury (field filtered)	5310C - TOC	Total Number of containers	Special Instructions/Note:
				Preservation Code:				S	N	CB	B	S	D	D	N	A	D	D	N	A	S	
20	MW-42_20250304	3.4.25	11:00	G	Water	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	22	
21	MW-42_20250304_FBU	3-4-25	11:00	G	Water										X							2	
22	MW-41_20250304	3-4-25	15:15	G	Water								X	X								2	
23	MW-41_20250304_FBU	3-4-25	15:15	G	Water										X							2	
24	MW-38_20250304	3-4-25	09:40	G	Water	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	22	
25	MW-38_20250304_FBU	3-4-25	09:40	G	Water										X							2	
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested I, II, III, IV, Other (specify)

Special Instructions/QC Requirements. MDLs must meet Michigan requirements.

Empty Kit Relinquished by	Date	Time	Method of Shipment: FEDEX PRIORITY OVERNIGHT

	Relinquished by	Date/Time:	Company	Received by	Date/Time	Company
1	[signature]	3-4-25 18:00	MSG	[signature]	3-4-25 18:00	MSG
2	[signature]	3-5-25 09:00	MSG	FEDEX 437605685333		
3				Stephanie Hernandez	3/7/25 0910	EEIA

Custody Seals Intact: Δ Yes Δ No | Custody Seal No | Cooler Temperature(s) °C and Other Remarks

500-264885 Waybi

JED CARESTENSEN
THE MANNIK & SMITH GROUP
616 SHELDEN AVE
SUITE 210
HOUGHTON, MI 49931
UNITED STATES US

CAD: 07803077/GAFE3855

TO SAMPLE RECIEPT
EUROFINS
18410 CROSSING DRIVE
SUITE E
TINLEY PARK IL 60487

(262) 202-5955 REF
INV:
PO: DEPT

RMA.

FedEx Express

FedEx
TRK# 0221 4376 0568 5311

FRI - 07 MAR AA
PRIORITY OVERNIGHT

XP JOTA

60487
IL-US
ORD

5025 Mar2025 CMXA 581G2/07B9/5FE5

JED CARESTENSEN
THE MANNIK & SMITH GROUP
616 SHELDEN AVE
SUITE 210
HOUGHTON, MI 49931
UNITED STATES US

CAD: 07803077/GAFE3855

TO SAMPLE RECIEPT
EUROFINS
18410 CROSSING DRIVE
SUITE E
TINLEY PARK IL 60487

(262) 202-5955 REF
INV:
PO: DEPT

RMA.

FedEx Express

FedEx
TRK# 0221 4376 0568 5355

FRI - 07 MAR AA
PRIORITY OVERNIGHT

XP JOTA

60487
IL-US
ORD

5025547 06Mar2025


MANNIK & SMITH GROUP
SHELDEN AVE
TE 210
GHTON, MI 49931
TED STATES US
SAMPLE RECIEPT
EUROFINS
18410 CROSSING DRIVE
SUITE E
TINLEY PARK IL 60487
(262) 202-5955
REF
INV:
PO
DEPT
RMA
FedEx
Express
60487 928
TINLEY PA
4614FRI 03/07
18410 CROSSING DR
PRIORITY OVERNIGHT
416-2597FL
4376056853
SP-PD-100-Y
ETP 10
FedEx
TRK#
0221 4376 0568 5333
FRI - 07 MAR AA
PRIORITY OVERNIGHT
XP JOTA
60487
IL-US
ORD
5025547 06Mar2025 CMXA 581G2/07B9/5FE5


JEO CARESTENSEN
THE MANNIK & SMITH GROUP
616 SHELDEN AVE
SUITE 210
HOUGHTON, MI 49931
UNITED STATES US
TO SAMPLE RECIEPT
EUROFINS
18410 CROSSING DRIVE
SUITE E
TINLEY PARK IL 60487
(262) 202-5955
REF
INV
PO
DEPT
RMA
FedEx
Express
60487 9287 77
TINLEY PARK IL
4614FRI 03/07 07.07
18410 CROSSING DR
PRIORITY OVERNIGHT
416-2597FL
4376056853
SP-PD-100-Y
ETP 10
FedEx
TRK#
0221 4376 0568 5344
FRI - 07 MAR AA
PRIORITY OVERNIGHT
XP JOTA
60487
IL-US
ORD


JED CARESTENSEN
THE MANNIK & SMITH GROUP
616 SHELDEN AVE
SUITE 210
HOUGHTON, MI 49931
UNITED STATES US
CAD: 0780307/CAFE3855
TO SAMPLE RECIEPT
EUROFINS
18410 CROSSING DRIVE
SUITE E
TINLEY PARK IL 60487
(262) 202-5955
INV:
PO
REF
DEPT
RMA
FedEx Express
FedEx
TRK# 0221 4376 0568 5366
FRI - 07 MAR AA
PRIORITY OVERNIGHT
XP JOTA
60487
IL-US
ORD
5025547 06Mar2025 CMXA 581G2/07B9/5FE5


JED CARESTENSEN
THE MANNIK & SMITH GROUP
616 SHELDEN AVE
SUITE 210
HOUGHTON, MI 49931
UNITED STATES US
CAD: 0780307/CAFE
TO SAMPLE RECIEPT
EUROFINS
18410 CROSSING DR.
SUITE E
TINLEY PARK IL 60487
(262) 202-5955
INV
PO
REF:
DEPT
RMA
FedEx Express
FedEx
TRK# 0221 4376 0568 5322
FRI - 07 MAR AA
PRIORITY OVERNIGHT
XP JOTA
60487
IL-US
ORD
5025547 06Mar2025 CMXA 581G2/07B9/5FE5

Eurofins Chicago
18410 Crossing Drive Suite E
Tinley Park, IL 60487
Phone: 708-534-5200 Fax: 708-534-5211

Chain of Custody Record

eurofins | Environment Testing

4/1/2025

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Fredrick, Sandie	Carrier Tracking No(s): N/A	COC No: 500-199122.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Sandra.Fredrick@et.eurofinsus.com	State of Origin: Michigan	Page: Page 1 of 3
Company: Eurofins Environment Testing Northwest,		Accreditations Required (See note): N/A		Job #: 500-264885-1
Address: 5755 8th Street East, ,	Due Date Requested: 3/27/2025			Preservation Codes: -
City: Tacoma	TAT Requested (days): N/A			
State, Zip: WA, 98424				
Phone: 253-922-2310(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: White Pines, MI	Project #: 50023455			
Site: N/A	SSOW#: N/A			

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	1638/1638_Prep_W Uranium only (ICP/MS)	1631E/ Mercury, Low Level (CVAFS)	1630_ME/1630_Dist_PFP Methyl Mercury	1638/FIELD_FLTRD Dissolved Uranium only (ICP/MS) (field f	1631E/FIELD_FLTRD Dissolved Mercury, Low Level (CVAFS) (fi	1630_ME/FIELD_FLTRD Dissolved Methyl Mercury (field filtered	
			Preservation Code:										
PTC-01_20250306 (500-264885-1)	3/6/25	10:30 Eastern	G	Water			X	X	X	X	X	X	
PTC-01_20250306_FBLL (500-264885-2)	3/6/25	10:30 Eastern	G	Water				X					2
ARC-03_20250306 (500-264885-3)	3/6/25	12:00 Eastern	G	Water			X	X	X	X	X	X	8
ARC-03_20250306_FBLL (500-264885-4)	3/6/25	12:00 Eastern	G	Water				X					2
PNC-04_20250304 (500-264885-5)	3/4/25	11:30 Eastern	G	Water			X	X	X	X	X	X	8
PNC-04_20250304_FBLL (500-264885-6)	3/4/25	11:30 Eastern	G	Water				X					2
PRC-01_20250304 (500-264885-7)	3/4/25	17:00 Eastern	G	Water			X	X	X	X	X	X	8
PRC-01_20250304_FBLL (500-264885-8)	3/4/25	17:00 Eastern	G	Water				X					2
SMW-35B_20250306 (500-264885-9)	3/6/25	10:30 Eastern	G	Water			X	X	X	X	X	X	8

Therm. ID: IR15 Cor: 15.5° Unc: 15.5°
Cooler Dsc: SB FedEx: Sat
Packing: Bub UPS:
Cust. Seal: Yes No Lab Cour:
Blue Ice Wet, Dry, None Other:

Therm. ID: IR15 Cor: 3.4° Unc: 3.4°
Cooler Dsc: LB FedEx: Sat
Packing: Bub UPS:
Cust. Seal: Yes No Lab Cour:
Blue Ice, Wet, Dry, None Other:

Therm. ID: IR15 Cor: 1.5° Unc: 1.5°
Cooler Dsc: LB FedEx: Sat
Packing: Bub UPS:
Cust. Seal: Yes No Lab Cour:
Blue Ice, Wet, Dry, None Other:

Note: Since laboratory accreditations are subject to change, Eurofins Chicago places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory d accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Chicago laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofi immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Chicago.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 mo*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Chris Cook	3/7/25 1620		T Mower	3/8/25 1045	EETN
2						
3						

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 10/10/2024

Eurofins Chicago
18410 Crossing Drive Suite E
Tinley Park, IL 60487
Phone: 708-534-5200 Fax: 708-534-5211

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Fredrick, Sandie	Carrier Tracking No(s): N/A	COC No: 500-199122.2
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Sandra.Fredrick@et.eurofinsus.com	State of Origin: Michigan	Page: Page 2 of 3
Company: Eurofins Environment Testing Northwest,		Accreditations Required (See note): N/A		Job #: 500-264885-1
Address: 5755 8th Street East,	Due Date Requested: 3/27/2025			Preservation Codes: -
City: Tacoma	TAT Requested (days): N/A			
State, Zip: WA, 98424				
Phone: 253-922-2310(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: White Pines, MI	Project #: 50023455			
Site: N/A	SSOW#: N/A			Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	1638/1638_Prep_W Uranium only (ICP/MS)	1631E/ Mercury, Low Level (CVAFS)	1630_ME/1630_Dist_PFP Methyl Mercury	1638/FIELD_FLTRD Dissolved Uranium only (ICP/MS) (field f	1631E/FIELD_FLTRD Dissolved Mercury, Low Level (CVAFS) (fi	1630_ME/FIELD_FLTRD Dissolved Methyl Mercury (field filtered	Total Number of containers	Special Instructions/Note:
			Preservation Code:											
SMW-35B_20250306_FBLL (500-264885-10)	3/6/25	10:30 Eastern	G	Water				X					2	
SMW-3_20250306 (500-264885-11)	3/6/25	11:45 Eastern	G	Water			X	X	X	X	X	X	8	
SMW-3_20250306_FBLL (500-264885-12)	3/6/25	11:45 Eastern	G	Water				X					2	
CBR-02_20250304 (500-264885-13)	3/4/25	13:00 Eastern	G	Water			X	X	X	X	X	X	8	
CBR-02_20250304_FBLL (500-264885-14)	3/4/25	13:00 Eastern	G	Water				X					2	
LKS-01_20250304 (500-264885-15)	3/4/25	15:00 Eastern	G	Water			X	X	X	X	X	X	8	
LKS-01_20250304_FBLL (500-264885-16)	3/4/25	15:00 Eastern	G	Water				X					2	
MW-37_20250304 (500-264885-17)	3/4/25	13:25 Eastern	G	Water			X	X	X	X	X	X	8	
MW-37_20250304_FBLL (500-264885-18)	3/4/25	13:25 Eastern	G	Water				X					2	

Note: Since laboratory accreditations are subject to change, Eurofins Chicago places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Chicago laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Chicago attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Chicago.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	3/7/25 1620			3/8/25 1045	ET-TN
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 10/10/2024

Eurofins Chicago
18410 Crossing Drive Suite E
Tinley Park, IL 60487
Phone: 708-534-5200 Fax: 708-534-5211

Chain of Custody Record

eurofins | Environment Testing

4/1/2025

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Fredrick, Sandie	Carrier Tracking No(s): N/A	COC No: 500-199122.3
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Sandra.Fredrick@et.eurofinsus.com	State of Origin: Michigan	Page: Page 3 of 3
Company: Eurofins Environment Testing Northwest,		Accreditations Required (See note): N/A		Job #: 500-264885-1
Address: 5755 8th Street East, ,	Due Date Requested: 3/27/2025			Preservation Codes: -
City: Tacoma	TAT Requested (days): N/A			
State, Zip: WA, 98424				
Phone: 253-922-2310(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: White Pines, MI	Project #: 50023455			
Site: N/A	SSOW#: N/A			Other: N/A

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	1638/1638_Prep_W Uranium only (ICP/MS)	1631E/ Mercury, Low Level (CVAFS)	1630_ME/1630_Dist_PFP Methyl Mercury	1638/FIELD_FLTRD Dissolved Uranium only (ICP/MS) (field f	1631E/FIELD_FLTRD Dissolved Mercury, Low Level (CVAFS) (fi	1630_ME/FIELD_FLTRD Dissolved Methyl Mercury (field filtered	Total Number of containers	Special Instructions/Note:
			Preservation Code:											
FB-02_202503041_FBLL (500-264885-19)	3/4/25	19:00 Eastern	G	Water				X					2	
MW-42_20250304 (500-264885-20)	3/4/25	11:00 Eastern	G	Water			X	X	X	X	X	X	8	
MW-42_20250304_FBLL (500-264885-21)	3/4/25	11:00 Eastern	G	Water				X					2	
MW-41_202503004 (500-264885-22)	3/4/25	15:15 Eastern	G	Water			X						1	
MW-41_202503004_FBLL (500-264885-23)	3/4/25	15:15 Eastern	G	Water				X					2	
MW-38_20250304 (500-264885-24)	3/4/25	09:40 Eastern	G	Water			X	X	X	X	X	X	8	
MW-38_20250304_FBLL (500-264885-25)	3/4/25	09:40 Eastern	G	Water				X					2	

Note: Since laboratory accreditations are subject to change, Eurofins Chicago places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Chicago laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Chicago attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Chicago.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	[signature]	3/7/25 1620		[signature]	3/8/25 1045	EGTL
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 10/10/2024

Login Sample Receipt Checklist

Client: White Pine Copper LLC

Job Number: 500-264885-1

Login Number: 264885
List Number: 1
Creator: Hernandez, Stephanie

List Source: Eurofins Chicago

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.5,0.5,0.3,1.4,1.5,1.1
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	False	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: White Pine Copper LLC

Job Number: 500-264885-1

Login Number: 264885
List Number: 2
Creator: Singh, Jaskaran

List Source: Eurofins Seattle Specialty Metals
List Creation: 03/10/25 06:59 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	

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Date:	3/10/2025
End Time:	15:44
KI Paper Lot:	N/A
Analyst:	JS

Preservative ID	Preservative Type	Container ID
A	Bromine Monochloride (0.2N)	57366
zzzzzzzzzzzzzzz	zzzzzzzzzzzzzzzzzzzzzzz	zzzzzzzzzz
zzzzzzzzzzzzzzz	zzzzzzzzzzzzzzzzzzzzzzz	zzzzzzzzzz
zzzzzzzzzzzzzzz	zzzzzzzzzzzzzzzzzzzzzzz	zzzzzzzzzz

pipette: MP_MG04

(mL) JS 3/10/25

Sample ID	Pres. Used (ID)	Oxidized (Y/N)?	Pres. Vol. (mL)/Percent (%)	Comments
500-264885-A-1	A	Y	5mL/2	
500-264885-B-1	A	Y	5mL/2	
500-264885-C-1	A	Y	5mL/2	
500-264885-D-1	A	Y	5mL/2	
500-264885-A-2	A	Y	5mL/2	
500-264885-B-2	A	Y	5mL/2	
500-264885-A-3	A	Y	5mL/2	
500-264885-B-3	A	Y	5mL/2	
500-264885-C-3	A	Y	5mL/2	
500-264885-D-3	A	Y	5mL/2	
500-264885-A-4	A	Y	5mL/2	
500-264885-B-4	A	Y	5mL/2	
500-264885-A-5	A	Y	5mL/2	
500-264885-B-5	A	Y	5mL/2	
500-264885-C-5	A	Y	5mL/2	
500-264885-D-5	A	Y	5mL/2	
500-264885-A-6	A	Y	5mL/2	
500-264885-B-6	A	Y	5mL/2	
500-264885-A-7	A	Y	5mL/2	
500-264885-B-7	A	Y	5mL/2	
500-264885-C-7	A	Y	5mL/2	
500-264885-D-7	A	Y	5mL/2	
500-264885-A-8	A	Y	5mL/2	
500-264885-B-8	A	Y	5mL/2	
500-264885-A-9	A	Y	5mL/2	
500-264885-B-9	A	Y	5mL/2	
500-264885-C-9	A	Y	5mL/2	
500-264885-D-9	A	Y	5mL/2	
500-264885-A-10	A	Y	5mL/2	
500-264885-B-10	A	Y	5mL/2	
500-264885-A-11	A	Y	5mL/2	
500-264885-B-11	A	Y	5mL/2	
500-264885-C-11	A	Y	5mL/2	
500-264885-D-11	A	Y	5mL/2	
500-264885-A-12	A	Y	5mL/2	

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Date:	3/10/2025
End Time:	16:44
KI Paper Lot:	N/A
Analyst:	JS

Preservative ID	Preservative Type	Container ID
A	Bromine Monochloride (0.2N)	57366
zzzzzzzzzzzzzzz	zzzzzzzzzzzzzzzzzzzzzzz	zzzzzzzzzz
zzzzzzzzzzzzzzz	zzzzzzzzzzzzzzzzzzzzzzz	zzzzzzzzzz
zzzzzzzzzzzzzzz	zzzzzzzzzzzzzzzzzzzzzzz	zzzzzzzzzz

(ML) JS 3/10/25

Sample ID	Pres. Used (ID)	Oxidized (Y/N)?	Pres. Vol. (mL)/Percent (%)	Comments
500-264885-D-11				
500-264885-A-12			JS 3/10/25	-repeated sample (print error)
500-264885-B-12	A	Y	5x2/2	
500-264885-A-13	A	Y	5x2/2	
500-264885-B-13	A	Y	5x2/2	
500-264885-C-13	A	Y	5x2/2	
500-264885-D-13	A	Y	5x2/2	
500-264885-A-14	A	Y	5x2/2	
500-264885-B-14	A	Y	5x2/2	
500-264885-A-15	A	Y	5x2/2	
500-264885-B-15	A	Y	5x2/2	
500-264885-C-15	A	Y	5x2/2	
500-264885-D-15	A	Y	5x2/2	
500-264885-A-16	A	Y	5x2/2	
500-264885-B-16	A	Y	5x2/2	
500-264885-A-17	A	Y	5x2/2	
500-264885-B-17	A	Y	5x2/2	
500-264885-C-17	A	Y	5x2/2	
500-264885-D-17	A	Y	5x2/2	
500-264885-A-18	A	Y	5x2/2	
500-264885-B-18	A	Y	5x2/2	
500-264885-A-19	A	Y	5x2/2	
500-264885-B-19	A	Y	5x2/2	
500-264885-A-20	A	Y	5x2/2	
500-264885-B-20	A	Y	5x2/2	
500-264885-C-20	A	Y	5x2/2	
500-264885-D-20	A	Y	5x2/2	
500-264885-A-21	A	Y	5x2/2	
500-264885-B-21	A	Y	5x2/2	
500-264885-A-23	A	Y	5x2/2	
500-264885-B-23	A	Y	5x2/2	
500-264885-D-24	A	Y	5x2/2	
500-264885-A-25	A	Y	5x2/2	
500-264885-B-25	A	Y	5x2/2	
500-264885-C-24	A	Y	5x2/2	JS 3/10/25

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Date:	3/10/2025
End Time:	15:44
KI Paper Lot:	N/A
Analyst:	JS

Preservative ID	Preservative Type	Container ID
A	Bromine Monochloride (0.2N)	57366
ZZZZZZZZZZZZZZZ	ZZZZZZZZZZZZZZZZZZZZZZZ	ZZZZZZZZZZ
ZZZZZZZZZZZZZZZ	ZZZZZZZZZZZZZZZZZZZZZZZ	ZZZZZZZZZZ
ZZZZZZZZZZZZZZZ	ZZZZZZZZZZZZZZZZZZZZZZZ	ZZZZZZZZZZ

(ML) JS 3/10/25

Sample ID	Pres. Used (ID)	Oxidized (Y/N)?	Pres. Vol. (mL)/Percent (%)	Comments
500-264885-B-25	A	Y	8 drops/2	
500-264885-C-24	A	Y	8 drops/2	
500-264885-B-24	A	Y	8 drops/2	
500-264885-A-24	A	Y	8 drops/2	

JS 3/10/25

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Date:	3/10/2025
End Time:	18:16
pH Paper Lot:	MC441784
Analyst:	JS

Preservative ID	Preservative Type	Container ID
A	Hydrochloric Acid	N/A
ZZZZZZZZZZZZZZZ	ZZZZZZZZZZZZZZZZZZZZZZZ	ZZZZZZZZZZ
ZZZZZZZZZZZZZZZ	ZZZZZZZZZZZZZZZZZZZZZZZ	ZZZZZZZZZZ
ZZZZZZZZZZZZZZZ	ZZZZZZZZZZZZZZZZZZZZZZZ	ZZZZZZZZZZ

Sample ID	Initial pH	Final pH	Preservative ID	Preservative Added (mL)	Comments
500-264885-E-24	<2				
500-264885-F-11	<2				
500-264885-E-15	<2				
500-264885-E-3	<2				
500-264885-F-13	<2				
500-264885-F-24	<2				
500-264885-F-20	<2				
500-264885-F-7	<2				
500-264885-E-9	<2				
500-264885-E-5	<2				
500-264885-E-7	<2				
500-264885-E-11	<2				
500-264885-E-1	<2				
500-264885-E-20	<2				
500-264885-F-1	<2				
500-264885-F-9	<2				
500-264885-E-13	<2				
500-264885-F-17	<2				
500-264885-F-5	<2				
500-264885-F-3	<2				
500-264885-E-17	<2				
500-264885-F-15	<2				

JS 3/10/25

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ANALYTICAL REPORT

PREPARED FOR

Attn: Amanda Zeidler
White Pine Copper LLC
35362 Mall Circle Drive
White Pine, Michigan 49971

Generated 4/3/2025 8:42:03 AM

JOB DESCRIPTION

White Pines, MI

JOB NUMBER

500-265072-1

Eurofins Chicago
18410 Crossing Drive
Suite E
Tinley Park IL 60487

See page two for job notes and contact information.

my EOL

Eurofins Chicago

Job Notes

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. This report is confidential and is intended for the sole use of Eurofins Environment Testing North Central, LLC and its client. All questions regarding this report should be directed to the Eurofins Environment Testing North Central, LLC Project Manager who has signed this report.

Results relate only to the items tested and the sample(s) as received by the laboratory. The results, detection limits (LOD) and Quantitation Limits (LOQ) have been adjusted for sample dilutions and/or solids content.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Chicago Project Manager.

Compliance Statement

The LOD and LOQ reported are adjusted by the dilution factor when a dilution factor greater than 1 is needed. Additionally, where results are indicated as being reported on a dry weight basis, the LOD and LOQ are adjusted for moisture content as well.

Definitions of Limits
- LOD = Limit of Detection = MDL as defined by 40 CFR part 136 Appendix B
- LOQ = Limit of Quantitation = 3.33 x LOD as defined by Wisconsin
- RL = Report Limit = a concentration supported by a standard in the calibration curves

Authorization



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4/3/2025 8:42:03 AM

Authorized for release by
Sandie Fredrick, Senior Project Manager
Sandra.Fredrick@et.eurofinsus.com
(920)261-1660

Table of Contents

Cover Page 1
Table of Contents 3
Case Narrative 4
Detection Summary 5
Method Summary 13
Sample Summary 14
Client Sample Results 15
Definitions 42
QC Association 43
QC Sample Results 52
Chronicle 72
Certification Summary 80
Chain of Custody 81
Receipt Checklists 97
Field Data Sheets 99

Job ID: 500-265072-1 — Eurofins Chicago

Job Narrative
500-265072-1

Receipt
The samples were received on 3/12/2025 10:05 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 4 coolers at receipt time were 1.6º C, 5.3º C, 5.4º C and 5.8º C.

Receipt Exceptions
Sample #1 and #2- COC list sample ID as PNC-02_20250310 and PNC-02_20250310_FBLL. Per client email logged as PNC-03_20250310 and PNC-03_20250310_FBLL, wrote corrected ID on side of COC. Container labels list correct sample IDs.

Metals
Method 6020B: The method blank for preparation batch 500-809702 and analytical batch 500-810390 contained Boron above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

Method 6020B: The method blank for preparation batch 500-810213 and analytical batch 500-811548 contained Copper above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

Methods 1638, 200.8 LL: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 350-5899 and analytical batch 350-5943 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Field Service / Mobile Lab
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

General Chemistry
Method 300.0: The following sample was received outside of holding time: MW-35_20250310 (500-265072-11).

Method 300.0: The following samples were received with insufficient time remaining to perform the analysis within holding time: MW-35SB_20250310 (500-265072-5), FB-01-GW_20250310 (500-265072-7) and PNC-02_20250310 (500-265072-13).

Method SM 2320B: The method blank for analytical batch 500-810684 contained Alkalinity above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore re-analysis of samples was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-265072-1

Client Sample ID: PNC-03_20250310

Lab Sample ID: 500-265072-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl Mercury	0.040	J	0.050	0.022	ng/L	1		1630	Total/NA
Methyl Mercury	0.036	J	0.050	0.022	ng/L	1		1630	Dissolved
Mercury	3.1		0.50	0.20	ng/L	1		1631E	Total/NA
Mercury	1.8		0.50	0.20	ng/L	1		1631E	Dissolved
Uranium	0.21		0.050	0.0098	ug/L	1		1638	Total Recoverable
Uranium	0.15		0.050	0.0098	ug/L	1		1638	Dissolved
Aluminum	290		100	25	ug/L	1		6020B	Total Recoverable
Arsenic	0.31	J	1.0	0.23	ug/L	1		6020B	Total Recoverable
Barium	34		2.5	0.73	ug/L	1		6020B	Total Recoverable
Boron	35	J B	50	13	ug/L	1		6020B	Total Recoverable
Calcium	18000		200	44	ug/L	1		6020B	Total Recoverable
Copper	13		2.0	0.50	ug/L	1		6020B	Total Recoverable
Iron	920		100	47	ug/L	1		6020B	Total Recoverable
Magnesium	4300		200	49	ug/L	1		6020B	Total Recoverable
Manganese	110		2.5	0.79	ug/L	1		6020B	Total Recoverable
Potassium	900		500	110	ug/L	1		6020B	Total Recoverable
Sodium	2500		200	77	ug/L	1		6020B	Total Recoverable
Strontium	78		4.0	0.64	ug/L	1		6020B	Total Recoverable
Aluminum	45	J	100	25	ug/L	1		6020B	Dissolved
Arsenic	0.28	J	1.0	0.23	ug/L	1		6020B	Dissolved
Barium	30		2.5	0.73	ug/L	1		6020B	Dissolved
Boron	40	J B	50	13	ug/L	1		6020B	Dissolved
Calcium	18000		200	44	ug/L	1		6020B	Dissolved
Copper	11		2.0	0.50	ug/L	1		6020B	Dissolved
Iron	440		100	47	ug/L	1		6020B	Dissolved
Magnesium	4400		200	49	ug/L	1		6020B	Dissolved
Manganese	66		2.5	0.79	ug/L	1		6020B	Dissolved
Potassium	880		500	110	ug/L	1		6020B	Dissolved
Sodium	2600		200	77	ug/L	1		6020B	Dissolved
Strontium	79		4.0	0.64	ug/L	1		6020B	Dissolved
Hardness as calcium carbonate	62		0.91	0.46	mg/L	1		SM 2340B	Total Recoverable
Chloride	8.0		1.0	0.42	mg/L	1		300.0	Total/NA
Sulfate	1.4		1.0	0.47	mg/L	1		300.0	Total/NA
Phosphorus as P	0.032	J	0.050	0.024	mg/L	1		365.1	Total/NA
Alkalinity	61	B	5.0	3.7	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	61	B	5.0	3.7	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	110		10	4.3	mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	19		5.0	1.9	mg/L	1		SM 2540D	Total/NA
Sulfide	1.5		1.0	0.23	mg/L	1		SM 4500 S2 F	Total/NA
Total Organic Carbon	7.7		1.0	0.47	mg/L	1		SM 5310C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: PNC-03_20250310 (Continued) — Lab Sample ID: 500-265072-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dissolved Organic Carbon	8.7		1.0	0.47	mg/L	1		SM 5310C	Dissolved

Client Sample ID: PNC-03_20250310_FBLL — Lab Sample ID: 500-265072-2

No Detections.

Client Sample ID: MW-5SB_20250310 — Lab Sample ID: 500-265072-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	1.5		0.50	0.20	ng/L	1		1631E	Total/NA
Mercury	0.31	J	0.50	0.20	ng/L	1		1631E	Dissolved
Uranium	0.81		0.050	0.0098	ug/L	1		1638	Total Recoverable
Uranium	0.68		0.050	0.0098	ug/L	1		1638	Dissolved
Aluminum	3100		100	25	ug/L	1		6020B	Total Recoverable
Arsenic	0.60	J	1.0	0.23	ug/L	1		6020B	Total Recoverable
Barium	72		2.5	0.73	ug/L	1		6020B	Total Recoverable
Boron	330	B	50	13	ug/L	1		6020B	Total Recoverable
Calcium	20000		200	44	ug/L	1		6020B	Total Recoverable
Chromium	5.5		5.0	1.1	ug/L	1		6020B	Total Recoverable
Cobalt	1.3		1.0	0.40	ug/L	1		6020B	Total Recoverable
Copper	6.8		2.0	0.50	ug/L	1		6020B	Total Recoverable
Iron	2700		100	47	ug/L	1		6020B	Total Recoverable
Lead	1.1		0.50	0.19	ug/L	1		6020B	Total Recoverable
Lithium	63		10	2.5	ug/L	1		6020B	Total Recoverable
Magnesium	1100		200	49	ug/L	1		6020B	Total Recoverable
Manganese	85		2.5	0.79	ug/L	1		6020B	Total Recoverable
Molybdenum	95		5.0	2.5	ug/L	1		6020B	Total Recoverable
Nickel	3.0		2.0	0.63	ug/L	1		6020B	Total Recoverable
Potassium	1200		500	110	ug/L	1		6020B	Total Recoverable
Sodium	230000		200	77	ug/L	1		6020B	Total Recoverable
Strontium	450		4.0	0.64	ug/L	1		6020B	Total Recoverable
Vanadium	8.3		5.0	2.2	ug/L	1		6020B	Total Recoverable
Zinc	8.8	J	20	6.9	ug/L	1		6020B	Total Recoverable
Aluminum	55	J	100	25	ug/L	1		6020B	Dissolved
Arsenic	0.35	J	1.0	0.23	ug/L	1		6020B	Dissolved
Barium	43		2.5	0.73	ug/L	1		6020B	Dissolved

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-5SB_20250310 (Continued) — Lab Sample ID: 500-265072-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Boron	320	B	50	13	ug/L	1		6020B	Dissolved
Calcium	19000		200	44	ug/L	1		6020B	Dissolved
Lithium	60		10	2.5	ug/L	1		6020B	Dissolved
Magnesium	280		200	49	ug/L	1		6020B	Dissolved
Manganese	22		2.5	0.79	ug/L	1		6020B	Dissolved
Molybdenum	95		5.0	2.5	ug/L	1		6020B	Dissolved
Potassium	340	J	500	110	ug/L	1		6020B	Dissolved
Sodium	230000		200	77	ug/L	1		6020B	Dissolved
Strontium	430		4.0	0.64	ug/L	1		6020B	Dissolved
Hardness as calcium carbonate	54		0.91	0.46	mg/L	1		SM 2340B	Total Recoverable
Bromide	3.5		1.0	0.45	mg/L	1		300.0	Total/NA
Chloride	400		10	4.2	mg/L	10		300.0	Total/NA
Fluoride	1.3		1.0	0.43	mg/L	1		300.0	Total/NA
Sulfate	36		1.0	0.47	mg/L	1		300.0	Total/NA
Phosphorus as P	0.035	J	0.050	0.024	mg/L	1		365.1	Total/NA
Alkalinity	41	B	5.0	3.7	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	41	B	5.0	3.7	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	730		10	4.3	mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	18		5.0	1.9	mg/L	1		SM 2540D	Total/NA

Client Sample ID: MW-5SB_20250310_FBLL — Lab Sample ID: 500-265072-4

No Detections.

Client Sample ID: MW-35SB_20250310 — Lab Sample ID: 500-265072-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl Mercury	0.024	J	0.050	0.022	ng/L	1		1630	Dissolved
Mercury	1.3		0.50	0.20	ng/L	1		1631E	Total/NA
Mercury	0.38	J	0.50	0.20	ng/L	1		1631E	Dissolved
Uranium	14		0.050	0.0098	ug/L	1		1638	Total Recoverable
Uranium	13		0.050	0.0098	ug/L	1		1638	Dissolved
Aluminum	2400		100	25	ug/L	1		6020B	Total Recoverable
Arsenic	4.6		1.0	0.23	ug/L	1		6020B	Total Recoverable
Barium	58		2.5	0.73	ug/L	1		6020B	Total Recoverable
Boron	2500	B	50	13	ug/L	1		6020B	Total Recoverable
Calcium	6400		200	44	ug/L	1		6020B	Total Recoverable
Chromium	2.9	J	5.0	1.1	ug/L	1		6020B	Total Recoverable
Cobalt	1.4		1.0	0.40	ug/L	1		6020B	Total Recoverable
Copper	14		2.0	0.50	ug/L	1		6020B	Total Recoverable
Iron	2300		100	47	ug/L	1		6020B	Total Recoverable
Lead	11		0.50	0.19	ug/L	1		6020B	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-35SB_20250310 (Continued) — Lab Sample ID: 500-265072-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lithium	69		10	2.5	ug/L	1		6020B	Total Recoverable
Magnesium	1200		200	49	ug/L	1		6020B	Total Recoverable
Manganese	86		2.5	0.79	ug/L	1		6020B	Total Recoverable
Molybdenum	2.8	J	5.0	2.5	ug/L	1		6020B	Total Recoverable
Nickel	3.0		2.0	0.63	ug/L	1		6020B	Total Recoverable
Potassium	2000		500	110	ug/L	1		6020B	Total Recoverable
Selenium	2.3	J	2.5	0.98	ug/L	1		6020B	Total Recoverable
Sodium	120000		200	77	ug/L	1		6020B	Total Recoverable
Strontium	55		4.0	0.64	ug/L	1		6020B	Total Recoverable
Vanadium	11		5.0	2.2	ug/L	1		6020B	Total Recoverable
Zinc	7.9	J	20	6.9	ug/L	1		6020B	Total Recoverable
Aluminum	55	J	100	25	ug/L	1		6020B	Dissolved
Arsenic	0.75	J	1.0	0.23	ug/L	1		6020B	Dissolved
Barium	8.5		2.5	0.73	ug/L	1		6020B	Dissolved
Boron	2500	B	50	13	ug/L	1		6020B	Dissolved
Calcium	3200		200	44	ug/L	1		6020B	Dissolved
Lithium	66		10	2.5	ug/L	1		6020B	Dissolved
Magnesium	270		200	49	ug/L	1		6020B	Dissolved
Manganese	8.1		2.5	0.79	ug/L	1		6020B	Dissolved
Molybdenum	4.2	J	5.0	2.5	ug/L	1		6020B	Dissolved
Potassium	1300		500	110	ug/L	1		6020B	Dissolved
Sodium	120000		200	77	ug/L	1		6020B	Dissolved
Strontium	38		4.0	0.64	ug/L	1		6020B	Dissolved
Vanadium	3.3	J	5.0	2.2	ug/L	1		6020B	Dissolved
Hardness as calcium carbonate	21		0.91	0.46	mg/L	1		SM 2340B	Total Recoverable
Chloride	1.1		1.0	0.42	mg/L	1		300.0	Total/NA
Fluoride	0.71	J	1.0	0.43	mg/L	1		300.0	Total/NA
Sulfate	7.1		1.0	0.47	mg/L	1		300.0	Total/NA
Phosphorus as P	0.47		0.050	0.024	mg/L	1		365.1	Total/NA
Alkalinity	280	B	5.0	3.7	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	270	B	5.0	3.7	mg/L	1		SM 2320B	Total/NA
Carbonate Alkalinity as CaCO3	18		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	390		10	4.3	mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	95		13	4.8	mg/L	1		SM 2540D	Total/NA
Dissolved Organic Carbon	0.55	J	1.0	0.47	mg/L	1		SM 5310C	Dissolved

Client Sample ID: MW-35SB_20250310_FBLL — Lab Sample ID: 500-265072-6

No Detections.

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-265072-1

Client Sample ID: FB-01-GW_20250310 — Lab Sample ID: 500-265072-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Boron	24	J	50	13	ug/L	1		6020B	Total Recoverable
Total Dissolved Solids	8.0	J	10	4.3	mg/L	1		SM 2540C	Total/NA
Sulfide	2.5		1.0	0.23	mg/L	1		SM 4500 S2 F	Total/NA

Client Sample ID: FB-01-GW_20250310_FBLL — Lab Sample ID: 500-265072-8

No Detections.

Client Sample ID: MLR-01_20250310 — Lab Sample ID: 500-265072-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl Mercury	0.051		0.050	0.022	ng/L	1		1630	Total/NA
Methyl Mercury	0.041	J	0.050	0.022	ng/L	1		1630	Dissolved
Mercury	6.5		0.50	0.20	ng/L	1		1631E	Total/NA
Mercury	4.6		0.50	0.20	ng/L	1		1631E	Dissolved
Uranium	0.17		0.050	0.0098	ug/L	1		1638	Total Recoverable
Uranium	0.12		0.050	0.0098	ug/L	1		1638	Dissolved
Aluminum	1700	F1	100	25	ug/L	1		6020B	Total Recoverable
Arsenic	0.43	J	1.0	0.23	ug/L	1		6020B	Total Recoverable
Barium	22		2.5	0.73	ug/L	1		6020B	Total Recoverable
Boron	20	J	50	13	ug/L	1		6020B	Total Recoverable
Calcium	7700		200	44	ug/L	1		6020B	Total Recoverable
Chromium	1.8	J	5.0	1.1	ug/L	1		6020B	Total Recoverable
Cobalt	0.46	J	1.0	0.40	ug/L	1		6020B	Total Recoverable
Copper	14		2.0	0.50	ug/L	1		6020B	Total Recoverable
Iron	1500		100	47	ug/L	1		6020B	Total Recoverable
Lead	0.66		0.50	0.19	ug/L	1		6020B	Total Recoverable
Magnesium	2300		200	49	ug/L	1		6020B	Total Recoverable
Manganese	27		2.5	0.79	ug/L	1		6020B	Total Recoverable
Nickel	1.1	J	2.0	0.63	ug/L	1		6020B	Total Recoverable
Potassium	930		500	110	ug/L	1		6020B	Total Recoverable
Sodium	4200		200	77	ug/L	1		6020B	Total Recoverable
Strontium	23		4.0	0.64	ug/L	1		6020B	Total Recoverable
Vanadium	3.0	J	5.0	2.2	ug/L	1		6020B	Total Recoverable
Aluminum	570		100	25	ug/L	1		6020B	Dissolved
Arsenic	0.29	J	1.0	0.23	ug/L	1		6020B	Dissolved
Barium	14		2.5	0.73	ug/L	1		6020B	Dissolved
Boron	26	J	50	13	ug/L	1		6020B	Dissolved

This Detection Summary does not include radiochemical test results.

Client Sample ID: MLR-01_20250310 (Continued) — Lab Sample ID: 500-265072-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	7600		200	44	ug/L	1		6020B	Dissolved
Copper	11		2.0	0.50	ug/L	1		6020B	Dissolved
Iron	670		100	47	ug/L	1		6020B	Dissolved
Lead	0.25	J	0.50	0.19	ug/L	1		6020B	Dissolved
Magnesium	2000		200	49	ug/L	1		6020B	Dissolved
Manganese	15		2.5	0.79	ug/L	1		6020B	Dissolved
Potassium	740		500	110	ug/L	1		6020B	Dissolved
Sodium	3900		200	77	ug/L	1		6020B	Dissolved
Strontium	22		4.0	0.64	ug/L	1		6020B	Dissolved
Tin	1.4	J	5.0	1.3	ug/L	1		6020B	Dissolved
Hardness as calcium carbonate	29		0.91	0.46	mg/L	1		SM 2340B	Total Recoverable
Chloride	4.9		1.0	0.42	mg/L	1		300.0	Total/NA
Sulfate	1.5		1.0	0.47	mg/L	1		300.0	Total/NA
Phosphorus as P	0.048	J	0.050	0.024	mg/L	1		365.1	Total/NA
Alkalinity	24	B	5.0	3.7	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	24	B	5.0	3.7	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	40		10	4.3	mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	7.4		5.0	1.9	mg/L	1		SM 2540D	Total/NA
Sulfide	0.30	J	1.0	0.23	mg/L	1		SM 4500 S2 F	Total/NA
Total Organic Carbon	7.6		1.0	0.47	mg/L	1		SM 5310C	Total/NA
Dissolved Organic Carbon	7.6		1.0	0.47	mg/L	1		SM 5310C	Dissolved

Client Sample ID: MLR-01_20250310_FBLL — Lab Sample ID: 500-265072-10

No Detections.

Client Sample ID: MW-35_20250310 — Lab Sample ID: 500-265072-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl Mercury	0.82		0.050	0.022	ng/L	1		1630	Dissolved
Mercury	0.87		0.50	0.20	ng/L	1		1631E	Total/NA
Mercury	0.47	J	0.50	0.20	ng/L	1		1631E	Dissolved
Uranium	2.7		0.050	0.0098	ug/L	1		1638	Total Recoverable
Uranium	2.3		0.050	0.0098	ug/L	1		1638	Dissolved
Arsenic	1.4		1.0	0.23	ug/L	1		6020B	Total Recoverable
Barium	500		2.5	0.73	ug/L	1		6020B	Total Recoverable
Boron	69		50	13	ug/L	1		6020B	Total Recoverable
Calcium	79000		200	44	ug/L	1		6020B	Total Recoverable
Copper	4.9		2.0	0.50	ug/L	1		6020B	Total Recoverable
Lithium	7.6	J	10	2.5	ug/L	1		6020B	Total Recoverable
Magnesium	11000		200	49	ug/L	1		6020B	Total Recoverable
Manganese	1200		2.5	0.79	ug/L	1		6020B	Total Recoverable
Potassium	1000		500	110	ug/L	1		6020B	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-35_20250310 (Continued) — Lab Sample ID: 500-265072-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sodium	7200		200	77	ug/L	1		6020B	Total Recoverable
Strontium	130		4.0	0.64	ug/L	1		6020B	Total Recoverable
Vanadium	4.3	J	5.0	2.2	ug/L	1		6020B	Total Recoverable
Arsenic	1.3		1.0	0.23	ug/L	1		6020B	Dissolved
Barium	450		2.5	0.73	ug/L	1		6020B	Dissolved
Boron	66		50	13	ug/L	1		6020B	Dissolved
Calcium	81000		200	44	ug/L	1		6020B	Dissolved
Copper	0.80	J	2.0	0.50	ug/L	1		6020B	Dissolved
Lithium	7.8	J	10	2.5	ug/L	1		6020B	Dissolved
Magnesium	11000		200	49	ug/L	1		6020B	Dissolved
Potassium	1000		500	110	ug/L	1		6020B	Dissolved
Sodium	7000		200	77	ug/L	1		6020B	Dissolved
Strontium	120		4.0	0.64	ug/L	1		6020B	Dissolved
Vanadium	2.2	J	5.0	2.2	ug/L	1		6020B	Dissolved
Hardness as calcium carbonate	240		0.91	0.46	mg/L	1		SM 2340B	Total Recoverable
Chloride	0.83	J	1.0	0.42	mg/L	1		300.0	Total/NA
Sulfate	8.3		1.0	0.47	mg/L	1		300.0	Total/NA
Alkalinity	220	B	5.0	3.7	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	220	B	5.0	3.7	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	240		10	4.3	mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	2.2	J	5.0	1.9	mg/L	1		SM 2540D	Total/NA
Total Organic Carbon	1.1		1.0	0.47	mg/L	1		SM 5310C	Total/NA
Dissolved Organic Carbon	1.2		1.0	0.47	mg/L	1		SM 5310C	Dissolved

Client Sample ID: MW-35_20250310_FBLL — Lab Sample ID: 500-265072-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	0.81		0.50	0.20	ng/L	1		1631E	Total/NA

Client Sample ID: PNC-02_20250310 — Lab Sample ID: 500-265072-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl Mercury	0.035	J	0.050	0.022	ng/L	1		1630	Total/NA
Methyl Mercury	0.031	J	0.050	0.022	ng/L	1		1630	Dissolved
Mercury	3.2		0.50	0.20	ng/L	1		1631E	Total/NA
Mercury	2.1		0.50	0.20	ng/L	1		1631E	Dissolved
Uranium	0.17		0.050	0.0098	ug/L	1		1638	Total Recoverable
Uranium	0.15		0.050	0.0098	ug/L	1		1638	Dissolved
Aluminum	630		100	25	ug/L	1		6020B	Total Recoverable
Arsenic	0.36	J	1.0	0.23	ug/L	1		6020B	Total Recoverable
Barium	30		2.5	0.73	ug/L	1		6020B	Total Recoverable
Calcium	19000		200	44	ug/L	1		6020B	Total Recoverable
Copper	17		2.0	0.50	ug/L	1		6020B	Total Recoverable
Iron	1100		100	47	ug/L	1		6020B	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client Sample ID: PNC-02_20250310 (Continued)

Lab Sample ID: 500-265072-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	0.26	J	0.50	0.19	ug/L	1		6020B	Total Recoverable
Magnesium	4500		200	49	ug/L	1		6020B	Total Recoverable
Manganese	58		2.5	0.79	ug/L	1		6020B	Total Recoverable
Potassium	1100		500	110	ug/L	1		6020B	Total Recoverable
Sodium	1800		200	77	ug/L	1		6020B	Total Recoverable
Strontium	62		4.0	0.64	ug/L	1		6020B	Total Recoverable
Aluminum	140		100	25	ug/L	1		6020B	Dissolved
Arsenic	0.32	J	1.0	0.23	ug/L	1		6020B	Dissolved
Barium	26		2.5	0.73	ug/L	1		6020B	Dissolved
Boron	13	J	50	13	ug/L	1		6020B	Dissolved
Calcium	19000		200	44	ug/L	1		6020B	Dissolved
Copper	13		2.0	0.50	ug/L	1		6020B	Dissolved
Iron	490		100	47	ug/L	1		6020B	Dissolved
Magnesium	4400		200	49	ug/L	1		6020B	Dissolved
Manganese	45		2.5	0.79	ug/L	1		6020B	Dissolved
Potassium	990		500	110	ug/L	1		6020B	Dissolved
Sodium	1800		200	77	ug/L	1		6020B	Dissolved
Strontium	62		4.0	0.64	ug/L	1		6020B	Dissolved
Hardness as calcium carbonate	66		0.91	0.46	mg/L	1		SM 2340B	Total Recoverable
Chloride	3.4		1.0	0.42	mg/L	1		300.0	Total/NA
Sulfate	1.9		1.0	0.47	mg/L	1		300.0	Total/NA
Alkalinity	60	B	5.0	3.7	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	60	B	5.0	3.7	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	82		10	4.3	mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	3.4	J	5.0	1.9	mg/L	1		SM 2540D	Total/NA
Total Organic Carbon	7.6		1.0	0.47	mg/L	1		SM 5310C	Total/NA
Dissolved Organic Carbon	7.6		1.0	0.47	mg/L	1		SM 5310C	Dissolved

Client Sample ID: PNC-02_20250310_FBLL

Lab Sample ID: 500-265072-14

No Detections.

This Detection Summary does not include radiochemical test results.

Method Summary

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-265072-1

Method	Method Description	Protocol	Laboratory
1630	Methyl Mercury	EPA	EET SSM
1631E	Mercury, Low Level (CVAFS)	EPA	EET SSM
1638	Metals (ICP/MS)	EPA	EET SSM
6020B	Metals (ICP/MS)	SW846	EET CHI
SM 2340B	Total Hardness (as CaCO3) by calculation	SM	EET CHI
300.0	Anions, Ion Chromatography	EPA	EET CHI
335.4	Cyanide, Total	EPA	EET CHI
350.1	Nitrogen, Ammonia	EPA	EET CHI
365.1	Phosphorus, Total	EPA	EET CHI
SM 2320B	Alkalinity	SM	EET CHI
SM 2520B	Salinity	SM	EET CHI
SM 2540C	Solids, Total Dissolved (TDS)	SM	EET CHI
SM 2540D	Solids, Total Suspended (TSS)	SM	EET CHI
SM 4500 S2 F	Sulfide, Total	SM	EET CHI
SM 5310C	Organic Carbon, Dissolved (DOC)	SM	EET CHI
SM 5310C	TOC	SM	EET CHI
1630	Distillation, Methyl Mercury	EPA	EET SSM
1638	Preparation, Total Recoverable Metals	EPA	EET SSM
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET CHI
365.2/365.3/365	Phosphorus, Total	EPA	EET CHI
Distill/Ammonia	Distillation, Ammonia	None	EET CHI
Distill/CN	Distillation, Cyanide	None	EET CHI

Protocol References:

EPA = US Environmental Protection Agency

None = None

SM = "Standard Methods For The Examination Of Water And Wastewater"

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET CHI = Eurofins Chicago, 18410 Crossing Drive, Suite E, Tinley Park, IL 60487, TEL (708)534-5200

EET SSM = Eurofins Seattle Specialty Metals, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

Sample Summary

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-265072-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-265072-1	PNC-03_20250310	Water	03/10/25 16:30	03/12/25 10:05
500-265072-2	PNC-03_20250310_FBLL	Water	03/10/25 16:30	03/12/25 10:05
500-265072-3	MW-5SB_20250310	Water	03/10/25 15:30	03/12/25 10:05
500-265072-4	MW-5SB_20250310_FBLL	Water	03/10/25 15:30	03/12/25 10:05
500-265072-5	MW-35SB_20250310	Water	03/10/25 11:30	03/12/25 10:05
500-265072-6	MW-35SB_20250310_FBLL	Water	03/10/25 11:30	03/12/25 10:05
500-265072-7	FB-01-GW_20250310	Water	03/10/25 12:30	03/12/25 10:05
500-265072-8	FB-01-GW_20250310_FBLL	Water	03/10/25 12:30	03/12/25 10:05
500-265072-9	MLR-01_20250310	Water	03/10/25 17:20	03/12/25 10:05
500-265072-10	MLR-01_20250310_FBLL	Water	03/10/25 17:20	03/12/25 10:05
500-265072-11	MW-35_20250310	Water	03/10/25 10:00	03/12/25 10:05
500-265072-12	MW-35_20250310_FBLL	Water	03/10/25 10:00	03/12/25 10:05
500-265072-13	PNC-02_20250310	Water	03/10/25 12:00	03/12/25 10:05
500-265072-14	PNC-02_20250310_FBLL	Water	03/10/25 12:00	03/12/25 10:05

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-265072-1

Client Sample ID: PNC-03_20250310

Date Collected: 03/10/25 16:30
Date Received: 03/12/25 10:05

Lab Sample ID: 500-265072-1

Matrix: Water

Method: EPA 1630 - Methyl Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	**0.040**	**J**	0.050	0.022	ng/L		03/31/25 11:40	03/31/25 17:23	1

Method: EPA 1630 - Methyl Mercury - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	**0.036**	**J**	0.050	0.022	ng/L		03/31/25 11:40	03/31/25 18:44	1

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**3.1**		0.50	0.20	ng/L			03/28/25 15:56	1

Method: EPA 1631E - Mercury, Low Level (CVAFS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**1.8**		0.50	0.20	ng/L			03/28/25 17:28	1

Method: EPA 1638 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.21**		0.050	0.0098	ug/L		03/31/25 18:15	04/01/25 13:18	1

Method: EPA 1638 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.15**		0.050	0.0098	ug/L		03/31/25 18:15	04/01/25 13:23	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**290**		100	25	ug/L		03/12/25 16:05	03/18/25 15:46	1
Antimony	<1.3		3.0	1.3	ug/L		03/12/25 16:05	03/19/25 15:05	1
Arsenic	**0.31**	**J**	1.0	0.23	ug/L		03/12/25 16:05	03/18/25 15:46	1
Barium	**34**		2.5	0.73	ug/L		03/12/25 16:05	03/18/25 15:46	1
Beryllium	<0.53		1.0	0.53	ug/L		03/12/25 16:05	03/18/25 15:46	1
Boron	**35**	**J B**	50	13	ug/L		03/12/25 16:05	03/18/25 15:46	1
Cadmium	<0.17		0.50	0.17	ug/L		03/12/25 16:05	03/18/25 15:46	1
Calcium	**18000**		200	44	ug/L		03/12/25 16:05	03/18/25 15:46	1
Chromium	<1.1		5.0	1.1	ug/L		03/12/25 16:05	03/18/25 15:46	1
Cobalt	<0.40		1.0	0.40	ug/L		03/12/25 16:05	03/18/25 15:46	1
Copper	**13**		2.0	0.50	ug/L		03/12/25 16:05	03/18/25 15:46	1
Iron	**920**		100	47	ug/L		03/12/25 16:05	03/18/25 15:46	1
Lead	<0.19		0.50	0.19	ug/L		03/12/25 16:05	03/18/25 15:46	1
Lithium	<2.5		10	2.5	ug/L		03/12/25 16:05	03/18/25 15:46	1
Magnesium	**4300**		200	49	ug/L		03/12/25 16:05	03/18/25 15:46	1
Manganese	**110**		2.5	0.79	ug/L		03/12/25 16:05	03/18/25 15:46	1
Molybdenum	<2.5		5.0	2.5	ug/L		03/12/25 16:05	03/19/25 15:05	1
Nickel	<0.63		2.0	0.63	ug/L		03/12/25 16:05	03/18/25 15:46	1
Potassium	**900**		500	110	ug/L		03/12/25 16:05	03/18/25 15:46	1
Selenium	<0.98		2.5	0.98	ug/L		03/12/25 16:05	03/18/25 15:46	1
Silver	<0.12		0.50	0.12	ug/L		03/12/25 16:05	03/18/25 15:46	1
Sodium	**2500**		200	77	ug/L		03/12/25 16:05	03/18/25 15:46	1
Strontium	**78**		4.0	0.64	ug/L		03/12/25 16:05	03/19/25 15:05	1
Thallium	<0.57		2.0	0.57	ug/L		03/12/25 16:05	03/18/25 15:46	1
Tin	<1.3		5.0	1.3	ug/L		03/12/25 16:05	03/19/25 15:05	1
Vanadium	<2.2		5.0	2.2	ug/L		03/12/25 16:05	03/19/25 15:05	1
Zinc	<6.9		20	6.9	ug/L		03/12/25 16:05	03/18/25 15:46	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-265072-1

Client Sample ID: PNC-03_20250310

Date Collected: 03/10/25 16:30
Date Received: 03/12/25 10:05

Lab Sample ID: 500-265072-1

Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**45**	**J**	100	25	ug/L		03/12/25 16:05	03/18/25 15:58	1
Antimony	<1.3		3.0	1.3	ug/L		03/12/25 16:05	03/19/25 15:22	1
Arsenic	**0.28**	**J**	1.0	0.23	ug/L		03/12/25 16:05	03/18/25 15:58	1
Barium	**30**		2.5	0.73	ug/L		03/12/25 16:05	03/18/25 15:58	1
Beryllium	<0.53		1.0	0.53	ug/L		03/12/25 16:05	03/18/25 15:58	1
Boron	**40**	**J B**	50	13	ug/L		03/12/25 16:05	03/18/25 15:58	1
Cadmium	<0.17		0.50	0.17	ug/L		03/12/25 16:05	03/18/25 15:58	1
Calcium	**18000**		200	44	ug/L		03/12/25 16:05	03/18/25 15:58	1
Chromium	<1.1		5.0	1.1	ug/L		03/12/25 16:05	03/18/25 15:58	1
Cobalt	<0.40		1.0	0.40	ug/L		03/12/25 16:05	03/18/25 15:58	1
Copper	**11**		2.0	0.50	ug/L		03/12/25 16:05	03/18/25 15:58	1
Iron	**440**		100	47	ug/L		03/12/25 16:05	03/18/25 15:58	1
Lead	<0.19		0.50	0.19	ug/L		03/12/25 16:05	03/18/25 15:58	1
Lithium	<2.5		10	2.5	ug/L		03/12/25 16:05	03/18/25 15:58	1
Magnesium	**4400**		200	49	ug/L		03/12/25 16:05	03/18/25 15:58	1
Manganese	**66**		2.5	0.79	ug/L		03/12/25 16:05	03/18/25 15:58	1
Molybdenum	<2.5		5.0	2.5	ug/L		03/12/25 16:05	03/19/25 15:22	1
Nickel	<0.63		2.0	0.63	ug/L		03/12/25 16:05	03/18/25 15:58	1
Potassium	**880**		500	110	ug/L		03/12/25 16:05	03/18/25 15:58	1
Selenium	<0.98		2.5	0.98	ug/L		03/12/25 16:05	03/18/25 15:58	1
Silver	<0.12		0.50	0.12	ug/L		03/12/25 16:05	03/18/25 15:58	1
Sodium	**2600**		200	77	ug/L		03/12/25 16:05	03/18/25 15:58	1
Strontium	**79**		4.0	0.64	ug/L		03/12/25 16:05	03/19/25 15:22	1
Thallium	<0.57		2.0	0.57	ug/L		03/12/25 16:05	03/18/25 15:58	1
Tin	<1.3		5.0	1.3	ug/L		03/12/25 16:05	03/19/25 15:22	1
Vanadium	<2.2		5.0	2.2	ug/L		03/12/25 16:05	03/19/25 15:22	1
Zinc	<6.9		20	6.9	ug/L		03/12/25 16:05	03/18/25 15:58	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**62**		0.91	0.46	mg/L		03/12/25 16:05	03/19/25 10:54	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	<0.45		1.0	0.45	mg/L			03/12/25 13:42	1
Nitrate as N (EPA 300.0)	<0.37		1.0	0.37	mg/L			03/12/25 13:42	1
Chloride (EPA 300.0)	**8.0**		1.0	0.42	mg/L			03/12/25 13:42	1
Nitrite as N (EPA 300.0)	<0.25		1.0	0.25	mg/L			03/12/25 13:42	1
Fluoride (EPA 300.0)	<0.43		1.0	0.43	mg/L			03/12/25 13:42	1
Nitrate Nitrite as N (EPA 300.0)	<0.37		1.0	0.37	mg/L			03/12/25 13:42	1
Sulfate (EPA 300.0)	**1.4**		1.0	0.47	mg/L			03/12/25 13:42	1
Cyanide, Total (EPA 335.4)	<0.0036		0.0050	0.0036	mg/L		03/12/25 14:20	03/12/25 16:09	1
Ammonia (EPA 350.1)	<0.10		0.20	0.10	mg/L		03/25/25 13:51	03/26/25 12:15	1
Phosphorus as P (EPA 365.1)	**0.032**	**J**	0.050	0.024	mg/L		03/13/25 07:45	03/13/25 16:12	1
Alkalinity (SM 2320B)	**61**	**B**	5.0	3.7	mg/L			03/20/25 11:18	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**61**	**B**	5.0	3.7	mg/L			03/20/25 11:18	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<3.7		5.0	3.7	mg/L			03/20/25 11:18	1
Salinity (SM 2520B)	<0.33		0.33	0.33	psu			03/27/25 10:26	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-265072-1

Client Sample ID: PNC-03_20250310
Date Collected: 03/10/25 16:30
Date Received: 03/12/25 10:05

Lab Sample ID: 500-265072-1
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	110		10	4.3	mg/L			03/16/25 23:16	1
Total Suspended Solids (SM 2540D)	19		5.0	1.9	mg/L			03/14/25 13:34	1
Sulfide (SM 4500 S2 F)	1.5		1.0	0.23	mg/L			03/17/25 02:41	1
Total Organic Carbon (SM 5310C)	7.7		1.0	0.47	mg/L			03/23/25 16:35	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon (SM 5310C)	8.7		1.0	0.47	mg/L			03/20/25 12:31	1

Client Sample Results

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-265072-1

Client Sample ID: PNC-03_20250310_FBLL
Date Collected: 03/10/25 16:30
Date Received: 03/12/25 10:05

Lab Sample ID: 500-265072-2
Matrix: Water

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			03/28/25 16:01	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-265072-1

Client Sample ID: MW-5SB_20250310

Date Collected: 03/10/25 15:30
Date Received: 03/12/25 10:05

Lab Sample ID: 500-265072-3

Matrix: Water

Method: EPA 1630 - Methyl Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		03/31/25 11:40	03/31/25 18:54	1

Method: EPA 1630 - Methyl Mercury - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		03/31/25 11:40	03/31/25 19:05	1

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**1.5**		0.50	0.20	ng/L			03/28/25 16:05	1

Method: EPA 1631E - Mercury, Low Level (CVAFS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.31**	**J**	0.50	0.20	ng/L			03/28/25 17:32	1

Method: EPA 1638 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.81**		0.050	0.0098	ug/L		03/31/25 18:15	04/01/25 13:27	1

Method: EPA 1638 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.68**		0.050	0.0098	ug/L		03/31/25 18:15	04/01/25 13:31	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**3100**		100	25	ug/L		03/12/25 16:05	03/18/25 16:00	1
Antimony	<1.3		3.0	1.3	ug/L		03/12/25 16:05	03/19/25 15:24	1
Arsenic	**0.60**	**J**	1.0	0.23	ug/L		03/12/25 16:05	03/18/25 16:00	1
Barium	**72**		2.5	0.73	ug/L		03/12/25 16:05	03/18/25 16:00	1
Beryllium	<0.53		1.0	0.53	ug/L		03/12/25 16:05	03/18/25 16:00	1
Boron	**330**	**B**	50	13	ug/L		03/12/25 16:05	03/18/25 16:00	1
Cadmium	<0.17		0.50	0.17	ug/L		03/12/25 16:05	03/18/25 16:00	1
Calcium	**20000**		200	44	ug/L		03/12/25 16:05	03/18/25 16:00	1
Chromium	**5.5**		5.0	1.1	ug/L		03/12/25 16:05	03/18/25 16:00	1
Cobalt	**1.3**		1.0	0.40	ug/L		03/12/25 16:05	03/18/25 16:00	1
Copper	**6.8**		2.0	0.50	ug/L		03/12/25 16:05	03/18/25 16:00	1
Iron	**2700**		100	47	ug/L		03/12/25 16:05	03/18/25 16:00	1
Lead	**1.1**		0.50	0.19	ug/L		03/12/25 16:05	03/18/25 16:00	1
Lithium	**63**		10	2.5	ug/L		03/12/25 16:05	03/18/25 16:00	1
Magnesium	**1100**		200	49	ug/L		03/12/25 16:05	03/18/25 16:00	1
Manganese	**85**		2.5	0.79	ug/L		03/12/25 16:05	03/18/25 16:00	1
Molybdenum	**95**		5.0	2.5	ug/L		03/12/25 16:05	03/19/25 15:24	1
Nickel	**3.0**		2.0	0.63	ug/L		03/12/25 16:05	03/18/25 16:00	1
Potassium	**1200**		500	110	ug/L		03/12/25 16:05	03/18/25 16:00	1
Selenium	<0.98		2.5	0.98	ug/L		03/12/25 16:05	03/18/25 16:00	1
Silver	<0.12		0.50	0.12	ug/L		03/12/25 16:05	03/18/25 16:00	1
Sodium	**230000**		200	77	ug/L		03/12/25 16:05	03/18/25 16:00	1
Strontium	**450**		4.0	0.64	ug/L		03/12/25 16:05	03/19/25 15:24	1
Thallium	<0.57		2.0	0.57	ug/L		03/12/25 16:05	03/18/25 16:00	1
Tin	<1.3		5.0	1.3	ug/L		03/12/25 16:05	03/19/25 15:24	1
Vanadium	**8.3**		5.0	2.2	ug/L		03/12/25 16:05	03/19/25 15:24	1
Zinc	**8.8**	**J**	20	6.9	ug/L		03/12/25 16:05	03/18/25 16:00	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-265072-1

Client Sample ID: MW-5SB_20250310

Date Collected: 03/10/25 15:30
Date Received: 03/12/25 10:05

Lab Sample ID: 500-265072-3

Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**55**	**J**	100	25	ug/L		03/12/25 16:05	03/18/25 16:03	1
Antimony	<1.3		3.0	1.3	ug/L		03/12/25 16:05	03/19/25 15:27	1
Arsenic	**0.35**	**J**	1.0	0.23	ug/L		03/12/25 16:05	03/18/25 16:03	1
Barium	**43**		2.5	0.73	ug/L		03/12/25 16:05	03/18/25 16:03	1
Beryllium	<0.53		1.0	0.53	ug/L		03/12/25 16:05	03/18/25 16:03	1
Boron	**320**	**B**	50	13	ug/L		03/12/25 16:05	03/18/25 16:03	1
Cadmium	<0.17		0.50	0.17	ug/L		03/12/25 16:05	03/18/25 16:03	1
Calcium	**19000**		200	44	ug/L		03/12/25 16:05	03/18/25 16:03	1
Chromium	<1.1		5.0	1.1	ug/L		03/12/25 16:05	03/18/25 16:03	1
Cobalt	<0.40		1.0	0.40	ug/L		03/12/25 16:05	03/18/25 16:03	1
Copper	<0.50		2.0	0.50	ug/L		03/12/25 16:05	03/18/25 16:03	1
Iron	<47		100	47	ug/L		03/12/25 16:05	03/18/25 16:03	1
Lead	<0.19		0.50	0.19	ug/L		03/12/25 16:05	03/18/25 16:03	1
Lithium	**60**		10	2.5	ug/L		03/12/25 16:05	03/18/25 16:03	1
Magnesium	**280**		200	49	ug/L		03/12/25 16:05	03/18/25 16:03	1
Manganese	**22**		2.5	0.79	ug/L		03/12/25 16:05	03/18/25 16:03	1
Molybdenum	**95**		5.0	2.5	ug/L		03/12/25 16:05	03/19/25 15:27	1
Nickel	<0.63		2.0	0.63	ug/L		03/12/25 16:05	03/18/25 16:03	1
Potassium	**340**	**J**	500	110	ug/L		03/12/25 16:05	03/18/25 16:03	1
Selenium	<0.98		2.5	0.98	ug/L		03/12/25 16:05	03/18/25 16:03	1
Silver	<0.12		0.50	0.12	ug/L		03/12/25 16:05	03/18/25 16:03	1
Sodium	**230000**		200	77	ug/L		03/12/25 16:05	03/18/25 16:03	1
Strontium	**430**		4.0	0.64	ug/L		03/12/25 16:05	03/19/25 15:27	1
Thallium	<0.57		2.0	0.57	ug/L		03/12/25 16:05	03/18/25 16:03	1
Tin	<1.3		5.0	1.3	ug/L		03/12/25 16:05	03/19/25 15:27	1
Vanadium	<2.2		5.0	2.2	ug/L		03/12/25 16:05	03/19/25 15:27	1
Zinc	<6.9		20	6.9	ug/L		03/12/25 16:05	03/18/25 16:03	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**54**		0.91	0.46	mg/L		03/12/25 16:05	03/19/25 10:54	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	**3.5**		1.0	0.45	mg/L			03/12/25 13:27	1
Nitrate as N (EPA 300.0)	<0.37		1.0	0.37	mg/L			03/12/25 13:27	1
Chloride (EPA 300.0)	**400**		10	4.2	mg/L			03/13/25 21:15	10
Nitrite as N (EPA 300.0)	<0.25		1.0	0.25	mg/L			03/12/25 13:27	1
Fluoride (EPA 300.0)	**1.3**		1.0	0.43	mg/L			03/12/25 13:27	1
Nitrate Nitrite as N (EPA 300.0)	<0.37		1.0	0.37	mg/L			03/12/25 13:27	1
Sulfate (EPA 300.0)	**36**		1.0	0.47	mg/L			03/12/25 13:27	1
Cyanide, Total (EPA 335.4)	<0.0036		0.0050	0.0036	mg/L		03/12/25 14:20	03/12/25 16:09	1
Ammonia (EPA 350.1)	<0.10		0.20	0.10	mg/L		03/25/25 13:51	03/26/25 12:15	1
Phosphorus as P (EPA 365.1)	**0.035**	**J**	0.050	0.024	mg/L		03/13/25 07:45	03/13/25 16:13	1
Alkalinity (SM 2320B)	**41**	**B**	5.0	3.7	mg/L			03/20/25 11:26	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**41**	**B**	5.0	3.7	mg/L			03/20/25 11:26	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<3.7		5.0	3.7	mg/L			03/20/25 11:26	1
Salinity (SM 2520B)	<0.33		0.33	0.33	psu			03/27/25 10:26	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-265072-1

Client Sample ID: MW-5SB_20250310
Date Collected: 03/10/25 15:30
Date Received: 03/12/25 10:05

Lab Sample ID: 500-265072-3
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**730**		10	4.3	mg/L			03/16/25 23:24	1
Total Suspended Solids (SM 2540D)	**18**		5.0	1.9	mg/L			03/14/25 13:37	1
Sulfide (SM 4500 S2 F)	<0.23		1.0	0.23	mg/L			03/17/25 02:45	1
Total Organic Carbon (SM 5310C)	<0.47		1.0	0.47	mg/L			03/23/25 17:07	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon (SM 5310C)	<0.47		1.0	0.47	mg/L			03/20/25 13:04	1

Client Sample Results

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-265072-1

Client Sample ID: MW-5SB_20250310_FBLL

Date Collected: 03/10/25 15:30
Date Received: 03/12/25 10:05

Lab Sample ID: 500-265072-4

Matrix: Water

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			03/28/25 16:17	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-265072-1

Client Sample ID: MW-35SB_20250310

Date Collected: 03/10/25 11:30
Date Received: 03/12/25 10:05

Lab Sample ID: 500-265072-5

Matrix: Water

Method: EPA 1630 - Methyl Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		03/31/25 11:40	03/31/25 19:15	1

Method: EPA 1630 - Methyl Mercury - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	**0.024**	**J**	0.050	0.022	ng/L		03/31/25 11:40	03/31/25 19:25	1

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**1.3**		0.50	0.20	ng/L			03/28/25 16:21	1

Method: EPA 1631E - Mercury, Low Level (CVAFS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.38**	**J**	0.50	0.20	ng/L			03/28/25 17:36	1

Method: EPA 1638 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**14**		0.050	0.0098	ug/L		03/31/25 18:15	04/01/25 13:35	1

Method: EPA 1638 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**13**		0.050	0.0098	ug/L		03/31/25 18:15	04/01/25 13:39	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**2400**		100	25	ug/L		03/12/25 16:05	03/18/25 16:10	1
Antimony	<1.3		3.0	1.3	ug/L		03/12/25 16:05	03/19/25 15:29	1
Arsenic	**4.6**		1.0	0.23	ug/L		03/12/25 16:05	03/19/25 15:29	1
Barium	**58**		2.5	0.73	ug/L		03/12/25 16:05	03/18/25 16:10	1
Beryllium	<0.53		1.0	0.53	ug/L		03/12/25 16:05	03/18/25 16:10	1
Boron	**2500**	**B**	50	13	ug/L		03/12/25 16:05	03/18/25 16:10	1
Cadmium	<0.17		0.50	0.17	ug/L		03/12/25 16:05	03/18/25 16:10	1
Calcium	**6400**		200	44	ug/L		03/12/25 16:05	03/18/25 16:10	1
Chromium	**2.9**	**J**	5.0	1.1	ug/L		03/12/25 16:05	03/18/25 16:10	1
Cobalt	**1.4**		1.0	0.40	ug/L		03/12/25 16:05	03/18/25 16:10	1
Copper	**14**		2.0	0.50	ug/L		03/12/25 16:05	03/18/25 16:10	1
Iron	**2300**		100	47	ug/L		03/12/25 16:05	03/18/25 16:10	1
Lead	**11**		0.50	0.19	ug/L		03/12/25 16:05	03/18/25 16:10	1
Lithium	**69**		10	2.5	ug/L		03/12/25 16:05	03/18/25 16:10	1
Magnesium	**1200**		200	49	ug/L		03/12/25 16:05	03/18/25 16:10	1
Manganese	**86**		2.5	0.79	ug/L		03/12/25 16:05	03/18/25 16:10	1
Molybdenum	**2.8**	**J**	5.0	2.5	ug/L		03/12/25 16:05	03/19/25 15:29	1
Nickel	**3.0**		2.0	0.63	ug/L		03/12/25 16:05	03/18/25 16:10	1
Potassium	**2000**		500	110	ug/L		03/12/25 16:05	03/18/25 16:10	1
Selenium	**2.3**	**J**	2.5	0.98	ug/L		03/12/25 16:05	03/18/25 16:10	1
Silver	<0.12		0.50	0.12	ug/L		03/12/25 16:05	03/18/25 16:10	1
Sodium	**120000**		200	77	ug/L		03/12/25 16:05	03/18/25 16:10	1
Strontium	**55**		4.0	0.64	ug/L		03/12/25 16:05	03/19/25 15:29	1
Thallium	<0.57		2.0	0.57	ug/L		03/12/25 16:05	03/18/25 16:10	1
Tin	<1.3		5.0	1.3	ug/L		03/12/25 16:05	03/19/25 15:29	1
Vanadium	**11**		5.0	2.2	ug/L		03/12/25 16:05	03/19/25 15:29	1
Zinc	**7.9**	**J**	20	6.9	ug/L		03/12/25 16:05	03/18/25 16:10	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-265072-1

Client Sample ID: MW-35SB_20250310

Date Collected: 03/10/25 11:30
Date Received: 03/12/25 10:05

Lab Sample ID: 500-265072-5

Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**55**	**J**	100	25	ug/L		03/12/25 16:05	03/18/25 16:12	1
Antimony	<1.3		3.0	1.3	ug/L		03/12/25 16:05	03/19/25 15:33	1
Arsenic	**0.75**	**J**	1.0	0.23	ug/L		03/12/25 16:05	03/19/25 15:33	1
Barium	**8.5**		2.5	0.73	ug/L		03/12/25 16:05	03/18/25 16:12	1
Beryllium	<0.53		1.0	0.53	ug/L		03/12/25 16:05	03/18/25 16:12	1
Boron	**2500**	**B**	50	13	ug/L		03/12/25 16:05	03/18/25 16:12	1
Cadmium	<0.17		0.50	0.17	ug/L		03/12/25 16:05	03/18/25 16:12	1
Calcium	**3200**		200	44	ug/L		03/12/25 16:05	03/18/25 16:12	1
Chromium	<1.1		5.0	1.1	ug/L		03/12/25 16:05	03/18/25 16:12	1
Cobalt	<0.40		1.0	0.40	ug/L		03/12/25 16:05	03/18/25 16:12	1
Copper	<0.50		2.0	0.50	ug/L		03/12/25 16:05	03/18/25 16:12	1
Iron	<47		100	47	ug/L		03/12/25 16:05	03/18/25 16:12	1
Lead	<0.19		0.50	0.19	ug/L		03/12/25 16:05	03/18/25 16:12	1
Lithium	**66**		10	2.5	ug/L		03/12/25 16:05	03/18/25 16:12	1
Magnesium	**270**		200	49	ug/L		03/12/25 16:05	03/18/25 16:12	1
Manganese	**8.1**		2.5	0.79	ug/L		03/12/25 16:05	03/18/25 16:12	1
Molybdenum	**4.2**	**J**	5.0	2.5	ug/L		03/12/25 16:05	03/19/25 15:33	1
Nickel	<0.63		2.0	0.63	ug/L		03/12/25 16:05	03/18/25 16:12	1
Potassium	**1300**		500	110	ug/L		03/12/25 16:05	03/18/25 16:12	1
Selenium	<0.98		2.5	0.98	ug/L		03/12/25 16:05	03/18/25 16:12	1
Silver	<0.12		0.50	0.12	ug/L		03/12/25 16:05	03/18/25 16:12	1
Sodium	**120000**		200	77	ug/L		03/12/25 16:05	03/18/25 16:12	1
Strontium	**38**		4.0	0.64	ug/L		03/12/25 16:05	03/19/25 15:33	1
Thallium	<0.57		2.0	0.57	ug/L		03/12/25 16:05	03/18/25 16:12	1
Tin	<1.3		5.0	1.3	ug/L		03/12/25 16:05	03/19/25 15:33	1
Vanadium	**3.3**	**J**	5.0	2.2	ug/L		03/12/25 16:05	03/19/25 15:33	1
Zinc	<6.9		20	6.9	ug/L		03/12/25 16:05	03/18/25 16:12	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**21**		0.91	0.46	mg/L		03/12/25 16:05	03/19/25 10:54	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	<0.45		1.0	0.45	mg/L			03/12/25 16:00	1
Nitrate as N (EPA 300.0)	<0.37	H	1.0	0.37	mg/L			03/12/25 16:00	1
Chloride (EPA 300.0)	**1.1**		1.0	0.42	mg/L			03/12/25 16:00	1
Nitrite as N (EPA 300.0)	<0.25	H	1.0	0.25	mg/L			03/12/25 16:00	1
Fluoride (EPA 300.0)	**0.71**	**J**	1.0	0.43	mg/L			03/12/25 16:00	1
Nitrate Nitrite as N (EPA 300.0)	<0.37	H	1.0	0.37	mg/L			03/12/25 16:00	1
Sulfate (EPA 300.0)	**7.1**		1.0	0.47	mg/L			03/12/25 16:00	1
Cyanide, Total (EPA 335.4)	<0.0036		0.0050	0.0036	mg/L		03/12/25 14:20	03/12/25 16:11	1
Ammonia (EPA 350.1)	<0.10		0.20	0.10	mg/L		03/25/25 13:51	03/26/25 12:15	1
Phosphorus as P (EPA 365.1)	**0.47**		0.050	0.024	mg/L		03/13/25 07:45	03/13/25 16:14	1
Alkalinity (SM 2320B)	**280**	**B**	5.0	3.7	mg/L			03/20/25 11:35	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**270**	**B**	5.0	3.7	mg/L			03/20/25 11:35	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	**18**		5.0	3.7	mg/L			03/20/25 11:35	1
Salinity (SM 2520B)	<0.33		0.33	0.33	psu			03/27/25 10:26	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-265072-1

Client Sample ID: MW-35SB_20250310
Date Collected: 03/10/25 11:30
Date Received: 03/12/25 10:05

Lab Sample ID: 500-265072-5
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**390**		10	4.3	mg/L			03/16/25 23:29	1
Total Suspended Solids (SM 2540D)	**95**		13	4.8	mg/L			03/14/25 13:39	1
Sulfide (SM 4500 S2 F)	<0.23		1.0	0.23	mg/L			03/17/25 02:48	1
Total Organic Carbon (SM 5310C)	<0.47		1.0	0.47	mg/L			03/23/25 17:39	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon (SM 5310C)	**0.55**	**J**	1.0	0.47	mg/L			03/20/25 13:36	1

Client Sample Results

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-265072-1

Client Sample ID: MW-35SB_20250310_FBLL
Date Collected: 03/10/25 11:30
Date Received: 03/12/25 10:05

Lab Sample ID: 500-265072-6
Matrix: Water

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			03/28/25 16:26	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-265072-1

Client Sample ID: FB-01-GW_20250310

Date Collected: 03/10/25 12:30
Date Received: 03/12/25 10:05

Lab Sample ID: 500-265072-7

Matrix: Water

Method: EPA 1630 - Methyl Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		03/31/25 11:40	03/31/25 19:35	1

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			03/28/25 16:30	1

Method: EPA 1638 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	<0.0098		0.050	0.0098	ug/L		03/31/25 18:15	04/01/25 13:43	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<25		100	25	ug/L		03/18/25 08:06	03/20/25 19:51	1
Antimony	<1.3		3.0	1.3	ug/L		03/18/25 08:06	03/20/25 19:51	1
Arsenic	<0.23		1.0	0.23	ug/L		03/18/25 08:06	03/20/25 19:51	1
Barium	<0.73		2.5	0.73	ug/L		03/18/25 08:06	03/20/25 19:51	1
Beryllium	<0.53		1.0	0.53	ug/L		03/18/25 08:06	03/20/25 19:51	1
Boron	**24**	**J**	50	13	ug/L		03/18/25 08:06	03/20/25 19:51	1
Cadmium	<0.17		0.50	0.17	ug/L		03/18/25 08:06	03/20/25 19:51	1
Calcium	<44		200	44	ug/L		03/18/25 08:06	03/20/25 19:51	1
Chromium	<1.1		5.0	1.1	ug/L		03/18/25 08:06	03/20/25 19:51	1
Cobalt	<0.40		1.0	0.40	ug/L		03/18/25 08:06	03/20/25 19:51	1
Copper	<0.50		2.0	0.50	ug/L		03/18/25 08:06	03/27/25 11:05	1
Iron	<47		100	47	ug/L		03/18/25 08:06	03/20/25 19:51	1
Lead	<0.19		0.50	0.19	ug/L		03/18/25 08:06	03/20/25 19:51	1
Lithium	<2.5		10	2.5	ug/L		03/18/25 08:06	03/20/25 19:51	1
Magnesium	<49		200	49	ug/L		03/18/25 08:06	03/20/25 19:51	1
Manganese	<0.79		2.5	0.79	ug/L		03/18/25 08:06	03/20/25 19:51	1
Molybdenum	<2.5		5.0	2.5	ug/L		03/18/25 08:06	03/20/25 19:51	1
Nickel	<0.63		2.0	0.63	ug/L		03/18/25 08:06	03/20/25 19:51	1
Potassium	<110		500	110	ug/L		03/18/25 08:06	03/20/25 19:51	1
Selenium	<0.98		2.5	0.98	ug/L		03/18/25 08:06	03/20/25 19:51	1
Silver	<0.12		0.50	0.12	ug/L		03/18/25 08:06	03/20/25 19:51	1
Sodium	<77		200	77	ug/L		03/18/25 08:06	03/20/25 19:51	1
Strontium	<0.64		4.0	0.64	ug/L		03/18/25 08:06	03/20/25 19:51	1
Thallium	<0.57		2.0	0.57	ug/L		03/18/25 08:06	03/20/25 19:51	1
Tin	<1.3		5.0	1.3	ug/L		03/18/25 08:06	03/20/25 19:51	1
Vanadium	<2.2		5.0	2.2	ug/L		03/18/25 08:06	03/20/25 19:51	1
Zinc	<6.9		20	6.9	ug/L		03/18/25 08:06	03/20/25 19:51	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	<0.46		0.91	0.46	mg/L		03/18/25 08:06	03/21/25 08:50	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	<0.45		1.0	0.45	mg/L			03/12/25 15:14	1
Nitrate as N (EPA 300.0)	<0.37	H	1.0	0.37	mg/L			03/12/25 15:14	1
Chloride (EPA 300.0)	<0.42		1.0	0.42	mg/L			03/12/25 15:14	1
Nitrite as N (EPA 300.0)	<0.25	H	1.0	0.25	mg/L			03/12/25 15:14	1
Fluoride (EPA 300.0)	<0.43		1.0	0.43	mg/L			03/12/25 15:14	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-265072-1

Client Sample ID: FB-01-GW_20250310

Date Collected: 03/10/25 12:30
Date Received: 03/12/25 10:05

Lab Sample ID: 500-265072-7

Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N (EPA 300.0)	<0.37	H	1.0	0.37	mg/L			03/12/25 15:14	1
Sulfate (EPA 300.0)	<0.47		1.0	0.47	mg/L			03/12/25 15:14	1
Cyanide, Total (EPA 335.4)	<0.0036		0.0050	0.0036	mg/L		03/12/25 14:20	03/12/25 16:11	1
Ammonia (EPA 350.1)	<0.10		0.20	0.10	mg/L		03/25/25 13:51	03/26/25 12:16	1
Phosphorus as P (EPA 365.1)	<0.024		0.050	0.024	mg/L		03/13/25 07:45	03/13/25 16:15	1
Alkalinity (SM 2320B)	<3.7		5.0	3.7	mg/L			03/20/25 11:45	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	<3.7		5.0	3.7	mg/L			03/20/25 11:45	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<3.7		5.0	3.7	mg/L			03/20/25 11:45	1
Salinity (SM 2520B)	<0.33		0.33	0.33	psu			03/27/25 10:26	1
Total Dissolved Solids (SM 2540C)	**8.0**	**J**	10	4.3	mg/L			03/16/25 23:32	1
Total Suspended Solids (SM 2540D)	<1.9		5.0	1.9	mg/L			03/14/25 13:42	1
Sulfide (SM 4500 S2 F)	**2.5**		1.0	0.23	mg/L			03/17/25 02:52	1
Total Organic Carbon (SM 5310C)	<0.47		1.0	0.47	mg/L			03/23/25 18:11	1

Client Sample Results

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-265072-1

Client Sample ID: FB-01-GW_20250310_FBLL

Lab Sample ID: 500-265072-8

Date Collected: 03/10/25 12:30
Matrix: Water
Date Received: 03/12/25 10:05

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			03/28/25 16:34	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-265072-1

Client Sample ID: MLR-01_20250310

Date Collected: 03/10/25 17:20
Date Received: 03/12/25 10:05

Lab Sample ID: 500-265072-9

Matrix: Water

Method: EPA 1630 - Methyl Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	**0.051**		0.050	0.022	ng/L		03/31/25 11:40	03/31/25 19:45	1

Method: EPA 1630 - Methyl Mercury - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	**0.041**	**J**	0.050	0.022	ng/L		03/31/25 11:40	03/31/25 19:56	1

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**6.5**		0.50	0.20	ng/L			03/28/25 16:38	1

Method: EPA 1631E - Mercury, Low Level (CVAFS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**4.6**		0.50	0.20	ng/L			03/28/25 17:40	1

Method: EPA 1638 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.17**		0.050	0.0098	ug/L		03/31/25 18:15	04/01/25 13:55	1

Method: EPA 1638 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.12**		0.050	0.0098	ug/L		03/31/25 18:15	04/01/25 13:59	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**1700**	**F1**	100	25	ug/L		03/13/25 08:23	03/19/25 16:10	1
Antimony	<1.3		3.0	1.3	ug/L		03/13/25 08:23	03/19/25 16:10	1
Arsenic	**0.43**	**J**	1.0	0.23	ug/L		03/13/25 08:23	03/19/25 16:10	1
Barium	**22**		2.5	0.73	ug/L		03/13/25 08:23	03/19/25 16:10	1
Beryllium	<0.53		1.0	0.53	ug/L		03/13/25 08:23	03/19/25 16:10	1
Boron	**20**	**J**	50	13	ug/L		03/13/25 08:23	03/19/25 16:10	1
Cadmium	<0.17		0.50	0.17	ug/L		03/13/25 08:23	03/19/25 16:10	1
Calcium	**7700**		200	44	ug/L		03/13/25 08:23	03/20/25 16:13	1
Chromium	**1.8**	**J**	5.0	1.1	ug/L		03/13/25 08:23	03/19/25 16:10	1
Cobalt	**0.46**	**J**	1.0	0.40	ug/L		03/13/25 08:23	03/19/25 16:10	1
Copper	**14**		2.0	0.50	ug/L		03/13/25 08:23	03/19/25 16:10	1
Iron	**1500**		100	47	ug/L		03/13/25 08:23	03/19/25 16:10	1
Lead	**0.66**		0.50	0.19	ug/L		03/13/25 08:23	03/19/25 16:10	1
Lithium	<2.5		10	2.5	ug/L		03/13/25 08:23	03/19/25 16:10	1
Magnesium	**2300**		200	49	ug/L		03/13/25 08:23	03/19/25 16:10	1
Manganese	**27**		2.5	0.79	ug/L		03/13/25 08:23	03/19/25 16:10	1
Molybdenum	<2.5		5.0	2.5	ug/L		03/13/25 08:23	03/19/25 16:10	1
Nickel	**1.1**	**J**	2.0	0.63	ug/L		03/13/25 08:23	03/19/25 16:10	1
Potassium	**930**		500	110	ug/L		03/13/25 08:23	03/19/25 16:10	1
Selenium	<0.98		2.5	0.98	ug/L		03/13/25 08:23	03/20/25 16:13	1
Silver	<0.12		0.50	0.12	ug/L		03/13/25 08:23	03/19/25 16:10	1
Sodium	**4200**		200	77	ug/L		03/13/25 08:23	03/19/25 16:10	1
Strontium	**23**		4.0	0.64	ug/L		03/13/25 08:23	03/19/25 16:10	1
Thallium	<0.57		2.0	0.57	ug/L		03/13/25 08:23	03/20/25 16:13	1
Tin	<1.3		5.0	1.3	ug/L		03/13/25 08:23	03/19/25 16:10	1
Vanadium	**3.0**	**J**	5.0	2.2	ug/L		03/13/25 08:23	03/19/25 16:10	1
Zinc	<6.9		20	6.9	ug/L		03/13/25 08:23	03/19/25 16:10	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-265072-1

Client Sample ID: MLR-01_20250310

Date Collected: 03/10/25 17:20
Date Received: 03/12/25 10:05

Lab Sample ID: 500-265072-9

Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**570**		100	25	ug/L		03/13/25 08:23	03/19/25 16:22	1
Antimony	<1.3		3.0	1.3	ug/L		03/13/25 08:23	03/19/25 16:22	1
Arsenic	**0.29**	**J**	1.0	0.23	ug/L		03/13/25 08:23	03/19/25 16:22	1
Barium	**14**		2.5	0.73	ug/L		03/13/25 08:23	03/19/25 16:22	1
Beryllium	<0.53		1.0	0.53	ug/L		03/13/25 08:23	03/19/25 16:22	1
Boron	**26**	**J**	50	13	ug/L		03/13/25 08:23	03/19/25 16:22	1
Cadmium	<0.17		0.50	0.17	ug/L		03/13/25 08:23	03/19/25 16:22	1
Calcium	**7600**		200	44	ug/L		03/13/25 08:23	03/20/25 16:25	1
Chromium	<1.1		5.0	1.1	ug/L		03/13/25 08:23	03/19/25 16:22	1
Cobalt	<0.40		1.0	0.40	ug/L		03/13/25 08:23	03/19/25 16:22	1
Copper	**11**		2.0	0.50	ug/L		03/13/25 08:23	03/19/25 16:22	1
Iron	**670**		100	47	ug/L		03/13/25 08:23	03/19/25 16:22	1
Lead	**0.25**	**J**	0.50	0.19	ug/L		03/13/25 08:23	03/19/25 16:22	1
Lithium	<2.5		10	2.5	ug/L		03/13/25 08:23	03/19/25 16:22	1
Magnesium	**2000**		200	49	ug/L		03/13/25 08:23	03/19/25 16:22	1
Manganese	**15**		2.5	0.79	ug/L		03/13/25 08:23	03/19/25 16:22	1
Molybdenum	<2.5		5.0	2.5	ug/L		03/13/25 08:23	03/19/25 16:22	1
Nickel	<0.63		2.0	0.63	ug/L		03/13/25 08:23	03/19/25 16:22	1
Potassium	**740**		500	110	ug/L		03/13/25 08:23	03/19/25 16:22	1
Selenium	<0.98		2.5	0.98	ug/L		03/13/25 08:23	03/20/25 16:25	1
Silver	<0.12		0.50	0.12	ug/L		03/13/25 08:23	03/19/25 16:22	1
Sodium	**3900**		200	77	ug/L		03/13/25 08:23	03/19/25 16:22	1
Strontium	**22**		4.0	0.64	ug/L		03/13/25 08:23	03/19/25 16:22	1
Thallium	<0.57		2.0	0.57	ug/L		03/13/25 08:23	03/20/25 16:25	1
Tin	**1.4**	**J**	5.0	1.3	ug/L		03/13/25 08:23	03/19/25 16:22	1
Vanadium	<2.2		5.0	2.2	ug/L		03/13/25 08:23	03/19/25 16:22	1
Zinc	<6.9		20	6.9	ug/L		03/13/25 08:23	03/19/25 16:22	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**29**		0.91	0.46	mg/L		03/13/25 08:23	03/21/25 08:50	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	<0.45		1.0	0.45	mg/L			03/12/25 13:58	1
Nitrate as N (EPA 300.0)	<0.37		1.0	0.37	mg/L			03/12/25 13:58	1
Chloride (EPA 300.0)	**4.9**		1.0	0.42	mg/L			03/12/25 13:58	1
Nitrite as N (EPA 300.0)	<0.25		1.0	0.25	mg/L			03/12/25 13:58	1
Fluoride (EPA 300.0)	<0.43		1.0	0.43	mg/L			03/12/25 13:58	1
Nitrate Nitrite as N (EPA 300.0)	<0.37		1.0	0.37	mg/L			03/12/25 13:58	1
Sulfate (EPA 300.0)	**1.5**		1.0	0.47	mg/L			03/12/25 13:58	1
Cyanide, Total (EPA 335.4)	<0.0036		0.0050	0.0036	mg/L		03/12/25 14:20	03/12/25 16:13	1
Ammonia (EPA 350.1)	<0.10		0.20	0.10	mg/L		03/25/25 13:51	03/26/25 12:17	1
Phosphorus as P (EPA 365.1)	**0.048**	**J**	0.050	0.024	mg/L		03/13/25 07:45	03/13/25 16:16	1
Alkalinity (SM 2320B)	**24**	**B**	5.0	3.7	mg/L			03/20/25 11:53	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**24**	**B**	5.0	3.7	mg/L			03/20/25 11:53	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<3.7		5.0	3.7	mg/L			03/20/25 11:53	1
Salinity (SM 2520B)	<0.33		0.33	0.33	psu			03/27/25 10:26	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-265072-1

Client Sample ID: MLR-01_20250310
Date Collected: 03/10/25 17:20
Date Received: 03/12/25 10:05

Lab Sample ID: 500-265072-9
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	40		10	4.3	mg/L			03/16/25 23:34	1
Total Suspended Solids (SM 2540D)	7.4		5.0	1.9	mg/L			03/14/25 13:47	1
Sulfide (SM 4500 S2 F)	0.30	J	1.0	0.23	mg/L			03/17/25 02:56	1
Total Organic Carbon (SM 5310C)	7.6		1.0	0.47	mg/L			03/23/25 19:48	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon (SM 5310C)	7.6		1.0	0.47	mg/L			03/24/25 02:55	1

Client Sample Results

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-265072-1

Client Sample ID: MLR-01_20250310_FBLL
Date Collected: 03/10/25 17:20
Date Received: 03/12/25 10:05

Lab Sample ID: 500-265072-10
Matrix: Water

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			03/28/25 16:42	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-265072-1

Client Sample ID: MW-35_20250310

Date Collected: 03/10/25 10:00
Date Received: 03/12/25 10:05

Lab Sample ID: 500-265072-11

Matrix: Water

Method: EPA 1630 - Methyl Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		03/31/25 11:40	03/31/25 20:26	1

Method: EPA 1630 - Methyl Mercury - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	**0.82**		0.050	0.022	ng/L		03/31/25 11:40	03/31/25 20:36	1

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.87**		0.50	0.20	ng/L			03/28/25 16:46	1

Method: EPA 1631E - Mercury, Low Level (CVAFS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.47**	**J**	0.50	0.20	ng/L			03/28/25 17:44	1

Method: EPA 1638 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**2.7**		0.050	0.0098	ug/L		03/31/25 18:15	04/01/25 15:41	1

Method: EPA 1638 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**2.3**		0.050	0.0098	ug/L		03/31/25 18:15	04/01/25 15:53	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<25		100	25	ug/L		03/13/25 08:23	03/19/25 16:25	1
Antimony	<1.3		3.0	1.3	ug/L		03/13/25 08:23	03/19/25 16:25	1
Arsenic	**1.4**		1.0	0.23	ug/L		03/13/25 08:23	03/19/25 16:25	1
Barium	**500**		2.5	0.73	ug/L		03/13/25 08:23	03/19/25 16:25	1
Beryllium	<0.53		1.0	0.53	ug/L		03/13/25 08:23	03/19/25 16:25	1
Boron	**69**		50	13	ug/L		03/13/25 08:23	03/19/25 16:25	1
Cadmium	<0.17		0.50	0.17	ug/L		03/13/25 08:23	03/19/25 16:25	1
Calcium	**79000**		200	44	ug/L		03/13/25 08:23	03/20/25 16:27	1
Chromium	<1.1		5.0	1.1	ug/L		03/13/25 08:23	03/19/25 16:25	1
Cobalt	<0.40		1.0	0.40	ug/L		03/13/25 08:23	03/19/25 16:25	1
Copper	**4.9**		2.0	0.50	ug/L		03/13/25 08:23	03/19/25 16:25	1
Iron	<47		100	47	ug/L		03/13/25 08:23	03/19/25 16:25	1
Lead	<0.19		0.50	0.19	ug/L		03/13/25 08:23	03/19/25 16:25	1
Lithium	**7.6**	**J**	10	2.5	ug/L		03/13/25 08:23	03/19/25 16:25	1
Magnesium	**11000**		200	49	ug/L		03/13/25 08:23	03/19/25 16:25	1
Manganese	**1200**		2.5	0.79	ug/L		03/13/25 08:23	03/19/25 16:25	1
Molybdenum	<2.5		5.0	2.5	ug/L		03/13/25 08:23	03/19/25 16:25	1
Nickel	<0.63		2.0	0.63	ug/L		03/13/25 08:23	03/19/25 16:25	1
Potassium	**1000**		500	110	ug/L		03/13/25 08:23	03/19/25 16:25	1
Selenium	<0.98		2.5	0.98	ug/L		03/13/25 08:23	03/20/25 16:27	1
Silver	<0.12		0.50	0.12	ug/L		03/13/25 08:23	03/19/25 16:25	1
Sodium	**7200**		200	77	ug/L		03/13/25 08:23	03/19/25 16:25	1
Strontium	**130**		4.0	0.64	ug/L		03/13/25 08:23	03/19/25 16:25	1
Thallium	<0.57		2.0	0.57	ug/L		03/13/25 08:23	03/20/25 16:27	1
Tin	<1.3		5.0	1.3	ug/L		03/13/25 08:23	03/19/25 16:25	1
Vanadium	**4.3**	**J**	5.0	2.2	ug/L		03/13/25 08:23	03/19/25 16:25	1
Zinc	<6.9		20	6.9	ug/L		03/13/25 08:23	03/19/25 16:25	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-265072-1

Client Sample ID: MW-35_20250310

Date Collected: 03/10/25 10:00
Date Received: 03/12/25 10:05

Lab Sample ID: 500-265072-11

Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<25		100	25	ug/L		03/13/25 08:23	03/19/25 16:27	1
Antimony	<1.3		3.0	1.3	ug/L		03/13/25 08:23	03/19/25 16:27	1
Arsenic	**1.3**		1.0	0.23	ug/L		03/13/25 08:23	03/19/25 16:27	1
Barium	**450**		2.5	0.73	ug/L		03/13/25 08:23	03/19/25 16:27	1
Beryllium	<0.53		1.0	0.53	ug/L		03/13/25 08:23	03/19/25 16:27	1
Boron	**66**		50	13	ug/L		03/13/25 08:23	03/19/25 16:27	1
Cadmium	<0.17		0.50	0.17	ug/L		03/13/25 08:23	03/19/25 16:27	1
Calcium	**81000**		200	44	ug/L		03/13/25 08:23	03/20/25 16:30	1
Chromium	<1.1		5.0	1.1	ug/L		03/13/25 08:23	03/19/25 16:27	1
Cobalt	<0.40		1.0	0.40	ug/L		03/13/25 08:23	03/19/25 16:27	1
Copper	**0.80**	**J**	2.0	0.50	ug/L		03/13/25 08:23	03/19/25 16:27	1
Iron	<47		100	47	ug/L		03/13/25 08:23	03/19/25 16:27	1
Lead	<0.19		0.50	0.19	ug/L		03/13/25 08:23	03/19/25 16:27	1
Lithium	**7.8**	**J**	10	2.5	ug/L		03/13/25 08:23	03/19/25 16:27	1
Magnesium	**11000**		200	49	ug/L		03/13/25 08:23	03/19/25 16:27	1
Manganese	<0.79		2.5	0.79	ug/L		03/13/25 08:23	03/19/25 16:27	1
Molybdenum	<2.5		5.0	2.5	ug/L		03/13/25 08:23	03/19/25 16:27	1
Nickel	<0.63		2.0	0.63	ug/L		03/13/25 08:23	03/19/25 16:27	1
Potassium	**1000**		500	110	ug/L		03/13/25 08:23	03/19/25 16:27	1
Selenium	<0.98		2.5	0.98	ug/L		03/13/25 08:23	03/20/25 16:30	1
Silver	<0.12		0.50	0.12	ug/L		03/13/25 08:23	03/19/25 16:27	1
Sodium	**7000**		200	77	ug/L		03/13/25 08:23	03/19/25 16:27	1
Strontium	**120**		4.0	0.64	ug/L		03/13/25 08:23	03/19/25 16:27	1
Thallium	<0.57		2.0	0.57	ug/L		03/13/25 08:23	03/20/25 16:30	1
Tin	<1.3		5.0	1.3	ug/L		03/13/25 08:23	03/19/25 16:27	1
Vanadium	**2.2**	**J**	5.0	2.2	ug/L		03/13/25 08:23	03/19/25 16:27	1
Zinc	<6.9		20	6.9	ug/L		03/13/25 08:23	03/19/25 16:27	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**240**		0.91	0.46	mg/L		03/13/25 08:23	03/21/25 08:50	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	<0.45		1.0	0.45	mg/L			03/12/25 14:59	1
Nitrate as N (EPA 300.0)	<0.37	H3	1.0	0.37	mg/L			03/12/25 14:59	1
Chloride (EPA 300.0)	**0.83**	**J**	1.0	0.42	mg/L			03/12/25 14:59	1
Nitrite as N (EPA 300.0)	<0.25	H3	1.0	0.25	mg/L			03/12/25 14:59	1
Fluoride (EPA 300.0)	<0.43		1.0	0.43	mg/L			03/12/25 14:59	1
Nitrate Nitrite as N (EPA 300.0)	<0.37	H3	1.0	0.37	mg/L			03/12/25 14:59	1
Sulfate (EPA 300.0)	**8.3**		1.0	0.47	mg/L			03/12/25 14:59	1
Cyanide, Total (EPA 335.4)	<0.0036		0.0050	0.0036	mg/L		03/12/25 14:20	03/12/25 16:14	1
Ammonia (EPA 350.1)	<0.10		0.20	0.10	mg/L		03/25/25 13:51	03/26/25 12:17	1
Phosphorus as P (EPA 365.1)	<0.024		0.050	0.024	mg/L		03/13/25 07:45	03/13/25 16:17	1
Alkalinity (SM 2320B)	**220**	**B**	5.0	3.7	mg/L			03/20/25 12:01	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**220**	**B**	5.0	3.7	mg/L			03/20/25 12:01	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<3.7		5.0	3.7	mg/L			03/20/25 12:01	1
Salinity (SM 2520B)	<0.33		0.33	0.33	psu			03/27/25 10:26	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-265072-1

Client Sample ID: MW-35_20250310
Date Collected: 03/10/25 10:00
Date Received: 03/12/25 10:05

Lab Sample ID: 500-265072-11
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	240		10	4.3	mg/L			03/16/25 23:37	1
Total Suspended Solids (SM 2540D)	2.2	J	5.0	1.9	mg/L			03/14/25 13:49	1
Sulfide (SM 4500 S2 F)	<0.23		1.0	0.23	mg/L			03/17/25 02:59	1
Total Organic Carbon (SM 5310C)	1.1		1.0	0.47	mg/L			03/23/25 21:25	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon (SM 5310C)	1.2		1.0	0.47	mg/L			03/24/25 04:30	1

Client Sample Results

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-265072-1

Client Sample ID: MW-35_20250310_FBLL
Date Collected: 03/10/25 10:00
Date Received: 03/12/25 10:05

Lab Sample ID: 500-265072-12
Matrix: Water

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.81		0.50	0.20	ng/L			03/28/25 16:50	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-265072-1

Client Sample ID: PNC-02_20250310

Date Collected: 03/10/25 12:00
Date Received: 03/12/25 10:05

Lab Sample ID: 500-265072-13

Matrix: Water

Method: EPA 1630 - Methyl Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	**0.035**	**J**	0.050	0.022	ng/L		03/31/25 11:40	03/31/25 20:47	1

Method: EPA 1630 - Methyl Mercury - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	**0.031**	**J**	0.050	0.022	ng/L		03/31/25 11:40	03/31/25 20:57	1

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**3.2**		0.50	0.20	ng/L			03/28/25 16:55	1

Method: EPA 1631E - Mercury, Low Level (CVAFS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**2.1**		0.50	0.20	ng/L			03/28/25 17:57	1

Method: EPA 1638 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.17**		0.050	0.0098	ug/L		03/31/25 18:15	04/01/25 16:18	1

Method: EPA 1638 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.15**		0.050	0.0098	ug/L		03/31/25 18:15	04/01/25 16:22	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**630**		100	25	ug/L		03/13/25 08:23	03/19/25 16:35	1
Antimony	<1.3		3.0	1.3	ug/L		03/13/25 08:23	03/19/25 16:35	1
Arsenic	**0.36**	**J**	1.0	0.23	ug/L		03/13/25 08:23	03/19/25 16:35	1
Barium	**30**		2.5	0.73	ug/L		03/13/25 08:23	03/19/25 16:35	1
Beryllium	<0.53		1.0	0.53	ug/L		03/13/25 08:23	03/19/25 16:35	1
Boron	<13		50	13	ug/L		03/13/25 08:23	03/19/25 16:35	1
Cadmium	<0.17		0.50	0.17	ug/L		03/13/25 08:23	03/19/25 16:35	1
Calcium	**19000**		200	44	ug/L		03/13/25 08:23	03/20/25 16:33	1
Chromium	<1.1		5.0	1.1	ug/L		03/13/25 08:23	03/19/25 16:35	1
Cobalt	<0.40		1.0	0.40	ug/L		03/13/25 08:23	03/19/25 16:35	1
Copper	**17**		2.0	0.50	ug/L		03/13/25 08:23	03/19/25 16:35	1
Iron	**1100**		100	47	ug/L		03/13/25 08:23	03/19/25 16:35	1
Lead	**0.26**	**J**	0.50	0.19	ug/L		03/13/25 08:23	03/19/25 16:35	1
Lithium	<2.5		10	2.5	ug/L		03/13/25 08:23	03/19/25 16:35	1
Magnesium	**4500**		200	49	ug/L		03/13/25 08:23	03/19/25 16:35	1
Manganese	**58**		2.5	0.79	ug/L		03/13/25 08:23	03/19/25 16:35	1
Molybdenum	<2.5		5.0	2.5	ug/L		03/13/25 08:23	03/19/25 16:35	1
Nickel	<0.63		2.0	0.63	ug/L		03/13/25 08:23	03/19/25 16:35	1
Potassium	**1100**		500	110	ug/L		03/13/25 08:23	03/19/25 16:35	1
Selenium	<0.98		2.5	0.98	ug/L		03/13/25 08:23	03/20/25 16:33	1
Silver	<0.12		0.50	0.12	ug/L		03/13/25 08:23	03/19/25 16:35	1
Sodium	**1800**		200	77	ug/L		03/13/25 08:23	03/19/25 16:35	1
Strontium	**62**		4.0	0.64	ug/L		03/13/25 08:23	03/19/25 16:35	1
Thallium	<0.57		2.0	0.57	ug/L		03/13/25 08:23	03/20/25 16:33	1
Tin	<1.3		5.0	1.3	ug/L		03/13/25 08:23	03/19/25 16:35	1
Vanadium	<2.2		5.0	2.2	ug/L		03/13/25 08:23	03/19/25 16:35	1
Zinc	<6.9		20	6.9	ug/L		03/13/25 08:23	03/19/25 16:35	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-265072-1

Client Sample ID: PNC-02_20250310

Date Collected: 03/10/25 12:00
Date Received: 03/12/25 10:05

Lab Sample ID: 500-265072-13

Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**140**		100	25	ug/L		03/13/25 08:23	03/19/25 16:37	1
Antimony	<1.3		3.0	1.3	ug/L		03/13/25 08:23	03/19/25 16:37	1
Arsenic	**0.32**	**J**	1.0	0.23	ug/L		03/13/25 08:23	03/19/25 16:37	1
Barium	**26**		2.5	0.73	ug/L		03/13/25 08:23	03/19/25 16:37	1
Beryllium	<0.53		1.0	0.53	ug/L		03/13/25 08:23	03/19/25 16:37	1
Boron	**13**	**J**	50	13	ug/L		03/13/25 08:23	03/19/25 16:37	1
Cadmium	<0.17		0.50	0.17	ug/L		03/13/25 08:23	03/19/25 16:37	1
Calcium	**19000**		200	44	ug/L		03/13/25 08:23	03/20/25 16:35	1
Chromium	<1.1		5.0	1.1	ug/L		03/13/25 08:23	03/19/25 16:37	1
Cobalt	<0.40		1.0	0.40	ug/L		03/13/25 08:23	03/19/25 16:37	1
Copper	**13**		2.0	0.50	ug/L		03/13/25 08:23	03/19/25 16:37	1
Iron	**490**		100	47	ug/L		03/13/25 08:23	03/19/25 16:37	1
Lead	<0.19		0.50	0.19	ug/L		03/13/25 08:23	03/19/25 16:37	1
Lithium	<2.5		10	2.5	ug/L		03/13/25 08:23	03/19/25 16:37	1
Magnesium	**4400**		200	49	ug/L		03/13/25 08:23	03/19/25 16:37	1
Manganese	**45**		2.5	0.79	ug/L		03/13/25 08:23	03/19/25 16:37	1
Molybdenum	<2.5		5.0	2.5	ug/L		03/13/25 08:23	03/19/25 16:37	1
Nickel	<0.63		2.0	0.63	ug/L		03/13/25 08:23	03/19/25 16:37	1
Potassium	**990**		500	110	ug/L		03/13/25 08:23	03/19/25 16:37	1
Selenium	<0.98		2.5	0.98	ug/L		03/13/25 08:23	03/20/25 16:35	1
Silver	<0.12		0.50	0.12	ug/L		03/13/25 08:23	03/19/25 16:37	1
Sodium	**1800**		200	77	ug/L		03/13/25 08:23	03/19/25 16:37	1
Strontium	**62**		4.0	0.64	ug/L		03/13/25 08:23	03/19/25 16:37	1
Thallium	<0.57		2.0	0.57	ug/L		03/13/25 08:23	03/20/25 16:35	1
Tin	<1.3		5.0	1.3	ug/L		03/13/25 08:23	03/19/25 16:37	1
Vanadium	<2.2		5.0	2.2	ug/L		03/13/25 08:23	03/19/25 16:37	1
Zinc	<6.9		20	6.9	ug/L		03/13/25 08:23	03/19/25 16:37	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**66**		0.91	0.46	mg/L		03/13/25 08:23	03/21/25 08:50	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	<0.45		1.0	0.45	mg/L			03/12/25 14:43	1
Nitrate as N (EPA 300.0)	<0.37	H	1.0	0.37	mg/L			03/12/25 14:43	1
Chloride (EPA 300.0)	**3.4**		1.0	0.42	mg/L			03/12/25 14:43	1
Nitrite as N (EPA 300.0)	<0.25	H	1.0	0.25	mg/L			03/12/25 14:43	1
Fluoride (EPA 300.0)	<0.43		1.0	0.43	mg/L			03/12/25 14:43	1
Nitrate Nitrite as N (EPA 300.0)	<0.37	H	1.0	0.37	mg/L			03/12/25 14:43	1
Sulfate (EPA 300.0)	**1.9**		1.0	0.47	mg/L			03/12/25 14:43	1
Cyanide, Total (EPA 335.4)	<0.0036		0.0050	0.0036	mg/L		03/12/25 14:20	03/12/25 16:16	1
Ammonia (EPA 350.1)	<0.10		0.20	0.10	mg/L		03/25/25 13:51	03/26/25 12:18	1
Phosphorus as P (EPA 365.1)	<0.024		0.050	0.024	mg/L		03/13/25 07:45	03/13/25 16:18	1
Alkalinity (SM 2320B)	**60**	**B**	5.0	3.7	mg/L			03/20/25 12:12	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**60**	**B**	5.0	3.7	mg/L			03/20/25 12:12	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<3.7		5.0	3.7	mg/L			03/20/25 12:12	1
Salinity (SM 2520B)	<0.33		0.33	0.33	psu			03/27/25 10:26	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-265072-1

Client Sample ID: PNC-02_20250310
Date Collected: 03/10/25 12:00
Date Received: 03/12/25 10:05

Lab Sample ID: 500-265072-13
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	82		10	4.3	mg/L			03/16/25 23:39	1
Total Suspended Solids (SM 2540D)	3.4	J	5.0	1.9	mg/L			03/14/25 13:52	1
Sulfide (SM 4500 S2 F)	<0.23		1.0	0.23	mg/L			03/17/25 03:03	1
Total Organic Carbon (SM 5310C)	7.6		1.0	0.47	mg/L			03/23/25 21:57	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon (SM 5310C)	7.6		1.0	0.47	mg/L			03/24/25 05:02	1

Client Sample Results

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-265072-1

Client Sample ID: PNC-02_20250310_FBLL
Date Collected: 03/10/25 12:00
Date Received: 03/12/25 10:05

Lab Sample ID: 500-265072-14
Matrix: Water

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			03/28/25 17:07	1

Definitions/Glossary

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-265072-1

Qualifiers

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
F1	MS and/or MSD recovery exceeds control limits.
F5	Duplicate RPD exceeds limit, and one or both sample results are less than 5 times RL, and the absolute difference between results is < the upper reporting limits for both.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
H	Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.
H3	Sample was received and analyzed past holding time. This does not meet regulatory requirements.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Metals

Prep Batch: 5875

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-265072-1	PNC-03_20250310	Dissolved	Water	1630	
500-265072-1	PNC-03_20250310	Total/NA	Water	1630	
500-265072-3	MW-5SB_20250310	Dissolved	Water	1630	
500-265072-3	MW-5SB_20250310	Total/NA	Water	1630	
500-265072-5	MW-35SB_20250310	Dissolved	Water	1630	
500-265072-5	MW-35SB_20250310	Total/NA	Water	1630	
500-265072-7	FB-01-GW_20250310	Total/NA	Water	1630	
500-265072-9	MLR-01_20250310	Dissolved	Water	1630	
500-265072-9	MLR-01_20250310	Total/NA	Water	1630	
500-265072-11	MW-35_20250310	Dissolved	Water	1630	
500-265072-11	MW-35_20250310	Total/NA	Water	1630	
500-265072-13	PNC-02_20250310	Dissolved	Water	1630	
500-265072-13	PNC-02_20250310	Total/NA	Water	1630	
MB 350-5875/1-A	Method Blank	Total/NA	Water	1630	
MB 350-5875/2-A	Method Blank	Total/NA	Water	1630	
MB 350-5875/3-A	Method Blank	Total/NA	Water	1630	
LCS 350-5875/4-A	Lab Control Sample	Total/NA	Water	1630	
LCSD 350-5875/5-A	Lab Control Sample Dup	Total/NA	Water	1630	
500-265072-1 MS	PNC-03_20250310	Total/NA	Water	1630	
500-265072-1 MSD	PNC-03_20250310	Total/NA	Water	1630	

Analysis Batch: 5876

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-265072-1	PNC-03_20250310	Dissolved	Water	1631E	
500-265072-1	PNC-03_20250310	Total/NA	Water	1631E	
500-265072-2	PNC-03_20250310_FBLL	Total/NA	Water	1631E	
500-265072-3	MW-5SB_20250310	Dissolved	Water	1631E	
500-265072-3	MW-5SB_20250310	Total/NA	Water	1631E	
500-265072-4	MW-5SB_20250310_FBLL	Total/NA	Water	1631E	
500-265072-5	MW-35SB_20250310	Dissolved	Water	1631E	
500-265072-5	MW-35SB_20250310	Total/NA	Water	1631E	
500-265072-6	MW-35SB_20250310_FBLL	Total/NA	Water	1631E	
500-265072-7	FB-01-GW_20250310	Total/NA	Water	1631E	
500-265072-8	FB-01-GW_20250310_FBLL	Total/NA	Water	1631E	
500-265072-9	MLR-01_20250310	Dissolved	Water	1631E	
500-265072-9	MLR-01_20250310	Total/NA	Water	1631E	
500-265072-10	MLR-01_20250310_FBLL	Total/NA	Water	1631E	
500-265072-11	MW-35_20250310	Dissolved	Water	1631E	
500-265072-11	MW-35_20250310	Total/NA	Water	1631E	
500-265072-12	MW-35_20250310_FBLL	Total/NA	Water	1631E	
500-265072-13	PNC-02_20250310	Dissolved	Water	1631E	
500-265072-13	PNC-02_20250310	Total/NA	Water	1631E	
500-265072-14	PNC-02_20250310_FBLL	Total/NA	Water	1631E	
MB 350-5876/24	Method Blank	Total/NA	Water	1631E	
MB 350-5876/25	Method Blank	Total/NA	Water	1631E	
MB 350-5876/26	Method Blank	Total/NA	Water	1631E	
MB 350-5876/27	Method Blank	Total/NA	Water	1631E	
MB 350-5876/28	Method Blank	Total/NA	Water	1631E	
MB 350-5876/29	Method Blank	Total/NA	Water	1631E	
LCS 350-5876/38	Lab Control Sample	Total/NA	Water	1631E	
LCS 350-5876/46	Lab Control Sample	Total/NA	Water	1631E	

Metals (Continued)

Analysis Batch: 5876 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 350-5876/39	Lab Control Sample Dup	Total/NA	Water	1631E	
LCSD 350-5876/47	Lab Control Sample Dup	Total/NA	Water	1631E	

Prep Batch: 5899

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-265072-1	PNC-03_20250310	Dissolved	Water	1638	
500-265072-1	PNC-03_20250310	Total Recoverable	Water	1638	
500-265072-3	MW-5SB_20250310	Dissolved	Water	1638	
500-265072-3	MW-5SB_20250310	Total Recoverable	Water	1638	
500-265072-5	MW-35SB_20250310	Dissolved	Water	1638	
500-265072-5	MW-35SB_20250310	Total Recoverable	Water	1638	
500-265072-7	FB-01-GW_20250310	Total Recoverable	Water	1638	
500-265072-9	MLR-01_20250310	Dissolved	Water	1638	
500-265072-9	MLR-01_20250310	Total Recoverable	Water	1638	
MB 350-5899/1-A	Method Blank	Total Recoverable	Water	1638	
MB 350-5899/2-A	Method Blank	Total Recoverable	Water	1638	
LCS 350-5899/3-A	Lab Control Sample	Total Recoverable	Water	1638	
LCSD 350-5899/4-A	Lab Control Sample Dup	Total Recoverable	Water	1638	

Prep Batch: 5901

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-265072-11	MW-35_20250310	Dissolved	Water	1638	
500-265072-11	MW-35_20250310	Total Recoverable	Water	1638	
500-265072-13	PNC-02_20250310	Dissolved	Water	1638	
500-265072-13	PNC-02_20250310	Total Recoverable	Water	1638	
MB 350-5901/1-A	Method Blank	Total Recoverable	Water	1638	
MB 350-5901/2-A	Method Blank	Total Recoverable	Water	1638	
LCS 350-5901/3-A	Lab Control Sample	Total Recoverable	Water	1638	
LCSD 350-5901/4-A	Lab Control Sample Dup	Total Recoverable	Water	1638	
500-265072-11 MS	MW-35_20250310	Dissolved	Water	1638	
500-265072-11 MS	MW-35_20250310	Total Recoverable	Water	1638	
500-265072-11 MSD	MW-35_20250310	Dissolved	Water	1638	
500-265072-11 MSD	MW-35_20250310	Total Recoverable	Water	1638	

Analysis Batch: 5914

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-265072-1	PNC-03_20250310	Dissolved	Water	1630	5875
500-265072-1	PNC-03_20250310	Total/NA	Water	1630	5875
500-265072-3	MW-5SB_20250310	Dissolved	Water	1630	5875
500-265072-3	MW-5SB_20250310	Total/NA	Water	1630	5875
500-265072-5	MW-35SB_20250310	Dissolved	Water	1630	5875
500-265072-5	MW-35SB_20250310	Total/NA	Water	1630	5875
500-265072-7	FB-01-GW_20250310	Total/NA	Water	1630	5875
500-265072-9	MLR-01_20250310	Dissolved	Water	1630	5875
500-265072-9	MLR-01_20250310	Total/NA	Water	1630	5875
500-265072-11	MW-35_20250310	Dissolved	Water	1630	5875
500-265072-11	MW-35_20250310	Total/NA	Water	1630	5875
500-265072-13	PNC-02_20250310	Dissolved	Water	1630	5875
500-265072-13	PNC-02_20250310	Total/NA	Water	1630	5875
MB 350-5875/1-A	Method Blank	Total/NA	Water	1630	5875
MB 350-5875/2-A	Method Blank	Total/NA	Water	1630	5875

Metals (Continued)

Analysis Batch: 5914 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 350-5875/3-A	Method Blank	Total/NA	Water	1630	5875
LCS 350-5875/4-A	Lab Control Sample	Total/NA	Water	1630	5875
LCSD 350-5875/5-A	Lab Control Sample Dup	Total/NA	Water	1630	5875
500-265072-1 MS	PNC-03_20250310	Total/NA	Water	1630	5875
500-265072-1 MSD	PNC-03_20250310	Total/NA	Water	1630	5875

Analysis Batch: 5943

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-265072-1	PNC-03_20250310	Dissolved	Water	1638	5899
500-265072-1	PNC-03_20250310	Total Recoverable	Water	1638	5899
500-265072-3	MW-5SB_20250310	Dissolved	Water	1638	5899
500-265072-3	MW-5SB_20250310	Total Recoverable	Water	1638	5899
500-265072-5	MW-35SB_20250310	Dissolved	Water	1638	5899
500-265072-5	MW-35SB_20250310	Total Recoverable	Water	1638	5899
500-265072-7	FB-01-GW_20250310	Total Recoverable	Water	1638	5899
500-265072-9	MLR-01_20250310	Dissolved	Water	1638	5899
500-265072-9	MLR-01_20250310	Total Recoverable	Water	1638	5899
500-265072-11	MW-35_20250310	Dissolved	Water	1638	5901
500-265072-11	MW-35_20250310	Total Recoverable	Water	1638	5901
500-265072-13	PNC-02_20250310	Dissolved	Water	1638	5901
500-265072-13	PNC-02_20250310	Total Recoverable	Water	1638	5901
MB 350-5899/1-A	Method Blank	Total Recoverable	Water	1638	5899
MB 350-5899/2-A	Method Blank	Total Recoverable	Water	1638	5899
MB 350-5901/1-A	Method Blank	Total Recoverable	Water	1638	5901
MB 350-5901/2-A	Method Blank	Total Recoverable	Water	1638	5901
LCS 350-5899/3-A	Lab Control Sample	Total Recoverable	Water	1638	5899
LCS 350-5901/3-A	Lab Control Sample	Total Recoverable	Water	1638	5901
LCSD 350-5899/4-A	Lab Control Sample Dup	Total Recoverable	Water	1638	5899
LCSD 350-5901/4-A	Lab Control Sample Dup	Total Recoverable	Water	1638	5901
500-265072-11 MS	MW-35_20250310	Dissolved	Water	1638	5901
500-265072-11 MS	MW-35_20250310	Total Recoverable	Water	1638	5901
500-265072-11 MSD	MW-35_20250310	Dissolved	Water	1638	5901
500-265072-11 MSD	MW-35_20250310	Total Recoverable	Water	1638	5901

Prep Batch: 809702

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-265072-1	PNC-03_20250310	Dissolved	Water	3005A	
500-265072-1	PNC-03_20250310	Total Recoverable	Water	3005A	
500-265072-3	MW-5SB_20250310	Dissolved	Water	3005A	
500-265072-3	MW-5SB_20250310	Total Recoverable	Water	3005A	
500-265072-5	MW-35SB_20250310	Dissolved	Water	3005A	
500-265072-5	MW-35SB_20250310	Total Recoverable	Water	3005A	
MB 500-809702/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 500-809702/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
500-265072-1 MS	PNC-03_20250310	Total Recoverable	Water	3005A	
500-265072-1 MSD	PNC-03_20250310	Total Recoverable	Water	3005A	
500-265072-1 DU	PNC-03_20250310	Total Recoverable	Water	3005A	

Prep Batch: 809748

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-265072-9	MLR-01_20250310	Dissolved	Water	3005A	

Metals (Continued)

Prep Batch: 809748 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-265072-9	MLR-01_20250310	Total Recoverable	Water	3005A	
500-265072-11	MW-35_20250310	Dissolved	Water	3005A	
500-265072-11	MW-35_20250310	Total Recoverable	Water	3005A	
500-265072-13	PNC-02_20250310	Dissolved	Water	3005A	
500-265072-13	PNC-02_20250310	Total Recoverable	Water	3005A	
MB 500-809748/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 500-809748/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
500-265072-9 MS	MLR-01_20250310	Total Recoverable	Water	3005A	
500-265072-9 MSD	MLR-01_20250310	Total Recoverable	Water	3005A	
500-265072-9 DU	MLR-01_20250310	Total Recoverable	Water	3005A	

Prep Batch: 810213

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-265072-7	FB-01-GW_20250310	Total Recoverable	Water	3005A	
MB 500-810213/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 500-810213/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Analysis Batch: 810390

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-265072-1	PNC-03_20250310	Dissolved	Water	6020B	809702
500-265072-1	PNC-03_20250310	Total Recoverable	Water	6020B	809702
500-265072-3	MW-5SB_20250310	Dissolved	Water	6020B	809702
500-265072-3	MW-5SB_20250310	Total Recoverable	Water	6020B	809702
500-265072-5	MW-35SB_20250310	Dissolved	Water	6020B	809702
500-265072-5	MW-35SB_20250310	Total Recoverable	Water	6020B	809702
MB 500-809702/1-A	Method Blank	Total Recoverable	Water	6020B	809702
LCS 500-809702/2-A	Lab Control Sample	Total Recoverable	Water	6020B	809702
500-265072-1 MS	PNC-03_20250310	Total Recoverable	Water	6020B	809702
500-265072-1 MSD	PNC-03_20250310	Total Recoverable	Water	6020B	809702
500-265072-1 DU	PNC-03_20250310	Total Recoverable	Water	6020B	809702

Analysis Batch: 810439

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-265072-1	PNC-03_20250310	Total Recoverable	Water	SM 2340B	809702
500-265072-3	MW-5SB_20250310	Total Recoverable	Water	SM 2340B	809702
500-265072-5	MW-35SB_20250310	Total Recoverable	Water	SM 2340B	809702

Analysis Batch: 810573

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-265072-9	MLR-01_20250310	Dissolved	Water	6020B	809748
500-265072-9	MLR-01_20250310	Total Recoverable	Water	6020B	809748
500-265072-11	MW-35_20250310	Dissolved	Water	6020B	809748
500-265072-11	MW-35_20250310	Total Recoverable	Water	6020B	809748
500-265072-13	PNC-02_20250310	Dissolved	Water	6020B	809748
500-265072-13	PNC-02_20250310	Total Recoverable	Water	6020B	809748
MB 500-809748/1-A	Method Blank	Total Recoverable	Water	6020B	809748
LCS 500-809748/2-A	Lab Control Sample	Total Recoverable	Water	6020B	809748
500-265072-9 MS	MLR-01_20250310	Total Recoverable	Water	6020B	809748
500-265072-9 MSD	MLR-01_20250310	Total Recoverable	Water	6020B	809748
500-265072-9 DU	MLR-01_20250310	Total Recoverable	Water	6020B	809748

Metals

Analysis Batch: 810580

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-265072-1	PNC-03_20250310	Dissolved	Water	6020B	809702
500-265072-1	PNC-03_20250310	Total Recoverable	Water	6020B	809702
500-265072-3	MW-5SB_20250310	Dissolved	Water	6020B	809702
500-265072-3	MW-5SB_20250310	Total Recoverable	Water	6020B	809702
500-265072-5	MW-35SB_20250310	Dissolved	Water	6020B	809702
500-265072-5	MW-35SB_20250310	Total Recoverable	Water	6020B	809702
MB 500-809702/1-A	Method Blank	Total Recoverable	Water	6020B	809702
LCS 500-809702/2-A	Lab Control Sample	Total Recoverable	Water	6020B	809702
500-265072-1 MS	PNC-03_20250310	Total Recoverable	Water	6020B	809702
500-265072-1 MSD	PNC-03_20250310	Total Recoverable	Water	6020B	809702
500-265072-1 DU	PNC-03_20250310	Total Recoverable	Water	6020B	809702

Analysis Batch: 810729

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-265072-9	MLR-01_20250310	Dissolved	Water	6020B	809748
500-265072-9	MLR-01_20250310	Total Recoverable	Water	6020B	809748
500-265072-11	MW-35_20250310	Dissolved	Water	6020B	809748
500-265072-11	MW-35_20250310	Total Recoverable	Water	6020B	809748
500-265072-13	PNC-02_20250310	Dissolved	Water	6020B	809748
500-265072-13	PNC-02_20250310	Total Recoverable	Water	6020B	809748
MB 500-809748/1-A	Method Blank	Total Recoverable	Water	6020B	809748
LCS 500-809748/2-A	Lab Control Sample	Total Recoverable	Water	6020B	809748
500-265072-9 MS	MLR-01_20250310	Total Recoverable	Water	6020B	809748
500-265072-9 MSD	MLR-01_20250310	Total Recoverable	Water	6020B	809748
500-265072-9 DU	MLR-01_20250310	Total Recoverable	Water	6020B	809748

Analysis Batch: 810733

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-265072-7	FB-01-GW_20250310	Total Recoverable	Water	6020B	810213
MB 500-810213/1-A	Method Blank	Total Recoverable	Water	6020B	810213
LCS 500-810213/2-A	Lab Control Sample	Total Recoverable	Water	6020B	810213

Analysis Batch: 810752

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-265072-7	FB-01-GW_20250310	Total Recoverable	Water	SM 2340B	810213
500-265072-9	MLR-01_20250310	Total Recoverable	Water	SM 2340B	809748
500-265072-11	MW-35_20250310	Total Recoverable	Water	SM 2340B	809748
500-265072-13	PNC-02_20250310	Total Recoverable	Water	SM 2340B	809748

Analysis Batch: 811548

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-265072-7	FB-01-GW_20250310	Total Recoverable	Water	6020B	810213
MB 500-810213/1-A	Method Blank	Total Recoverable	Water	6020B	810213
LCS 500-810213/2-A	Lab Control Sample	Total Recoverable	Water	6020B	810213

General Chemistry

Analysis Batch: 809644

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-265072-1	PNC-03_20250310	Total/NA	Water	300.0	
500-265072-3	MW-5SB_20250310	Total/NA	Water	300.0	

General Chemistry (Continued)

Analysis Batch: 809644 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-265072-5	MW-35SB_20250310	Total/NA	Water	300.0	
500-265072-7	FB-01-GW_20250310	Total/NA	Water	300.0	
500-265072-9	MLR-01_20250310	Total/NA	Water	300.0	
500-265072-11	MW-35_20250310	Total/NA	Water	300.0	
500-265072-13	PNC-02_20250310	Total/NA	Water	300.0	
MB 500-809644/3	Method Blank	Total/NA	Water	300.0	
LCS 500-809644/4	Lab Control Sample	Total/NA	Water	300.0	
500-265072-9 MS	MLR-01_20250310	Total/NA	Water	300.0	
500-265072-9 MSD	MLR-01_20250310	Total/NA	Water	300.0	

Analysis Batch: 809645

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-265072-1	PNC-03_20250310	Total/NA	Water	300.0	
500-265072-3	MW-5SB_20250310	Total/NA	Water	300.0	
500-265072-5	MW-35SB_20250310	Total/NA	Water	300.0	
500-265072-7	FB-01-GW_20250310	Total/NA	Water	300.0	
500-265072-9	MLR-01_20250310	Total/NA	Water	300.0	
500-265072-11	MW-35_20250310	Total/NA	Water	300.0	
500-265072-13	PNC-02_20250310	Total/NA	Water	300.0	
MB 500-809645/3	Method Blank	Total/NA	Water	300.0	
LCS 500-809645/4	Lab Control Sample	Total/NA	Water	300.0	
500-265072-9 MS	MLR-01_20250310	Total/NA	Water	300.0	
500-265072-9 MSD	MLR-01_20250310	Total/NA	Water	300.0	

Prep Batch: 809680

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-265072-1	PNC-03_20250310	Total/NA	Water	Distill/CN	
500-265072-3	MW-5SB_20250310	Total/NA	Water	Distill/CN	
500-265072-5	MW-35SB_20250310	Total/NA	Water	Distill/CN	
500-265072-7	FB-01-GW_20250310	Total/NA	Water	Distill/CN	
500-265072-9	MLR-01_20250310	Total/NA	Water	Distill/CN	
500-265072-11	MW-35_20250310	Total/NA	Water	Distill/CN	
500-265072-13	PNC-02_20250310	Total/NA	Water	Distill/CN	
MB 500-809680/1-A	Method Blank	Total/NA	Water	Distill/CN	
LCS 500-809680/2-A	Lab Control Sample	Total/NA	Water	Distill/CN	
500-265072-7 MS	FB-01-GW_20250310	Total/NA	Water	Distill/CN	
500-265072-7 MSD	FB-01-GW_20250310	Total/NA	Water	Distill/CN	

Prep Batch: 809703

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-265072-1	PNC-03_20250310	Total/NA	Water	365.2/365.3/365	
500-265072-3	MW-5SB_20250310	Total/NA	Water	365.2/365.3/365	
500-265072-5	MW-35SB_20250310	Total/NA	Water	365.2/365.3/365	
500-265072-7	FB-01-GW_20250310	Total/NA	Water	365.2/365.3/365	
500-265072-9	MLR-01_20250310	Total/NA	Water	365.2/365.3/365	
500-265072-11	MW-35_20250310	Total/NA	Water	365.2/365.3/365	
500-265072-13	PNC-02_20250310	Total/NA	Water	365.2/365.3/365	
MB 500-809703/1-A	Method Blank	Total/NA	Water	365.2/365.3/365	
LCS 500-809703/2-A	Lab Control Sample	Total/NA	Water	365.2/365.3/365	

General Chemistry

Analysis Batch: 809708

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-265072-1	PNC-03_20250310	Total/NA	Water	335.4	809680
500-265072-3	MW-5SB_20250310	Total/NA	Water	335.4	809680
500-265072-5	MW-35SB_20250310	Total/NA	Water	335.4	809680
500-265072-7	FB-01-GW_20250310	Total/NA	Water	335.4	809680
500-265072-9	MLR-01_20250310	Total/NA	Water	335.4	809680
500-265072-11	MW-35_20250310	Total/NA	Water	335.4	809680
500-265072-13	PNC-02_20250310	Total/NA	Water	335.4	809680
MB 500-809680/1-A	Method Blank	Total/NA	Water	335.4	809680
LCS 500-809680/2-A	Lab Control Sample	Total/NA	Water	335.4	809680
500-265072-7 MS	FB-01-GW_20250310	Total/NA	Water	335.4	809680
500-265072-7 MSD	FB-01-GW_20250310	Total/NA	Water	335.4	809680

Analysis Batch: 809804

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-265072-3	MW-5SB_20250310	Total/NA	Water	300.0	
MB 500-809833/1-A	Method Blank	Total/NA	Water	300.0	809833
LCS 500-809833/2-A	Lab Control Sample	Total/NA	Water	300.0	809833

Filtration Batch: 809833

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 500-809833/1-A	Method Blank	Total/NA	Water	FILTRATION	
LCS 500-809833/2-A	Lab Control Sample	Total/NA	Water	FILTRATION	

Analysis Batch: 809870

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-265072-1	PNC-03_20250310	Total/NA	Water	365.1	809703
500-265072-3	MW-5SB_20250310	Total/NA	Water	365.1	809703
500-265072-5	MW-35SB_20250310	Total/NA	Water	365.1	809703
500-265072-7	FB-01-GW_20250310	Total/NA	Water	365.1	809703
500-265072-9	MLR-01_20250310	Total/NA	Water	365.1	809703
500-265072-11	MW-35_20250310	Total/NA	Water	365.1	809703
500-265072-13	PNC-02_20250310	Total/NA	Water	365.1	809703
MB 500-809703/1-A	Method Blank	Total/NA	Water	365.1	809703
LCS 500-809703/2-A	Lab Control Sample	Total/NA	Water	365.1	809703

Analysis Batch: 809973

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-265072-1	PNC-03_20250310	Total/NA	Water	SM 2540D	
500-265072-3	MW-5SB_20250310	Total/NA	Water	SM 2540D	
500-265072-5	MW-35SB_20250310	Total/NA	Water	SM 2540D	
500-265072-7	FB-01-GW_20250310	Total/NA	Water	SM 2540D	
500-265072-9	MLR-01_20250310	Total/NA	Water	SM 2540D	
500-265072-11	MW-35_20250310	Total/NA	Water	SM 2540D	
500-265072-13	PNC-02_20250310	Total/NA	Water	SM 2540D	
MB 500-809973/1	Method Blank	Total/NA	Water	SM 2540D	
LCS 500-809973/2	Lab Control Sample	Total/NA	Water	SM 2540D	
500-265072-7 MS	FB-01-GW_20250310	Total/NA	Water	SM 2540D	

Analysis Batch: 810028

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-265072-1	PNC-03_20250310	Total/NA	Water	SM 2540C	

General Chemistry (Continued)

Analysis Batch: 810028 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-265072-3	MW-5SB_20250310	Total/NA	Water	SM 2540C	
500-265072-5	MW-35SB_20250310	Total/NA	Water	SM 2540C	
500-265072-7	FB-01-GW_20250310	Total/NA	Water	SM 2540C	
500-265072-9	MLR-01_20250310	Total/NA	Water	SM 2540C	
500-265072-11	MW-35_20250310	Total/NA	Water	SM 2540C	
500-265072-13	PNC-02_20250310	Total/NA	Water	SM 2540C	
MB 500-810028/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-810028/2	Lab Control Sample	Total/NA	Water	SM 2540C	
500-265072-1 MS	PNC-03_20250310	Total/NA	Water	SM 2540C	
500-265072-1 DU	PNC-03_20250310	Total/NA	Water	SM 2540C	
500-265072-3 DU	MW-5SB_20250310	Total/NA	Water	SM 2540C	

Analysis Batch: 810030

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-265072-1	PNC-03_20250310	Total/NA	Water	SM 4500 S2 F	
500-265072-3	MW-5SB_20250310	Total/NA	Water	SM 4500 S2 F	
500-265072-5	MW-35SB_20250310	Total/NA	Water	SM 4500 S2 F	
500-265072-7	FB-01-GW_20250310	Total/NA	Water	SM 4500 S2 F	
500-265072-9	MLR-01_20250310	Total/NA	Water	SM 4500 S2 F	
500-265072-11	MW-35_20250310	Total/NA	Water	SM 4500 S2 F	
500-265072-13	PNC-02_20250310	Total/NA	Water	SM 4500 S2 F	
MB 500-810030/1	Method Blank	Total/NA	Water	SM 4500 S2 F	
LCS 500-810030/2	Lab Control Sample	Total/NA	Water	SM 4500 S2 F	

Analysis Batch: 810684

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-265072-1	PNC-03_20250310	Total/NA	Water	SM 2320B	
500-265072-3	MW-5SB_20250310	Total/NA	Water	SM 2320B	
500-265072-5	MW-35SB_20250310	Total/NA	Water	SM 2320B	
500-265072-7	FB-01-GW_20250310	Total/NA	Water	SM 2320B	
500-265072-9	MLR-01_20250310	Total/NA	Water	SM 2320B	
500-265072-11	MW-35_20250310	Total/NA	Water	SM 2320B	
500-265072-13	PNC-02_20250310	Total/NA	Water	SM 2320B	
MB 500-810684/28	Method Blank	Total/NA	Water	SM 2320B	
LCS 500-810684/29	Lab Control Sample	Total/NA	Water	SM 2320B	
500-265072-7 DU	FB-01-GW_20250310	Total/NA	Water	SM 2320B	

Analysis Batch: 810702

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-265072-1	PNC-03_20250310	Dissolved	Water	SM 5310C	
500-265072-3	MW-5SB_20250310	Dissolved	Water	SM 5310C	
500-265072-5	MW-35SB_20250310	Dissolved	Water	SM 5310C	
MB 500-810702/31	Method Blank	Dissolved	Water	SM 5310C	
LCS 500-810702/32	Lab Control Sample	Dissolved	Water	SM 5310C	

Analysis Batch: 810987

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-265072-1	PNC-03_20250310	Total/NA	Water	SM 5310C	
500-265072-3	MW-5SB_20250310	Total/NA	Water	SM 5310C	
500-265072-5	MW-35SB_20250310	Total/NA	Water	SM 5310C	
500-265072-7	FB-01-GW_20250310	Total/NA	Water	SM 5310C	

General Chemistry (Continued)

Analysis Batch: 810987 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-265072-9	MLR-01_20250310	Total/NA	Water	SM 5310C	
500-265072-11	MW-35_20250310	Total/NA	Water	SM 5310C	
500-265072-13	PNC-02_20250310	Total/NA	Water	SM 5310C	
MB 500-810987/7	Method Blank	Total/NA	Water	SM 5310C	
LCS 500-810987/8	Lab Control Sample	Total/NA	Water	SM 5310C	
500-265072-9 MS	MLR-01_20250310	Total/NA	Water	SM 5310C	
500-265072-9 MSD	MLR-01_20250310	Total/NA	Water	SM 5310C	

Analysis Batch: 811081

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-265072-9	MLR-01_20250310	Dissolved	Water	SM 5310C	
500-265072-11	MW-35_20250310	Dissolved	Water	SM 5310C	
500-265072-13	PNC-02_20250310	Dissolved	Water	SM 5310C	
MB 500-811081/31	Method Blank	Dissolved	Water	SM 5310C	
LCS 500-811081/32	Lab Control Sample	Dissolved	Water	SM 5310C	
500-265072-9 MS	MLR-01_20250310	Dissolved	Water	SM 5310C	
500-265072-9 MSD	MLR-01_20250310	Dissolved	Water	SM 5310C	

Prep Batch: 811174

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-265072-1	PNC-03_20250310	Total/NA	Water	Distill/Ammonia	
500-265072-3	MW-5SB_20250310	Total/NA	Water	Distill/Ammonia	
500-265072-5	MW-35SB_20250310	Total/NA	Water	Distill/Ammonia	
500-265072-7	FB-01-GW_20250310	Total/NA	Water	Distill/Ammonia	
500-265072-9	MLR-01_20250310	Total/NA	Water	Distill/Ammonia	
500-265072-11	MW-35_20250310	Total/NA	Water	Distill/Ammonia	
500-265072-13	PNC-02_20250310	Total/NA	Water	Distill/Ammonia	
MB 500-811174/1-A	Method Blank	Total/NA	Water	Distill/Ammonia	
LCS 500-811174/2-A	Lab Control Sample	Total/NA	Water	Distill/Ammonia	

Analysis Batch: 811332

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-265072-1	PNC-03_20250310	Total/NA	Water	350.1	811174
500-265072-3	MW-5SB_20250310	Total/NA	Water	350.1	811174
500-265072-5	MW-35SB_20250310	Total/NA	Water	350.1	811174
500-265072-7	FB-01-GW_20250310	Total/NA	Water	350.1	811174
500-265072-9	MLR-01_20250310	Total/NA	Water	350.1	811174
500-265072-11	MW-35_20250310	Total/NA	Water	350.1	811174
500-265072-13	PNC-02_20250310	Total/NA	Water	350.1	811174
MB 500-811174/1-A	Method Blank	Total/NA	Water	350.1	811174
LCS 500-811174/2-A	Lab Control Sample	Total/NA	Water	350.1	811174

Analysis Batch: 811476

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-265072-1	PNC-03_20250310	Total/NA	Water	SM 2520B	
500-265072-3	MW-5SB_20250310	Total/NA	Water	SM 2520B	
500-265072-5	MW-35SB_20250310	Total/NA	Water	SM 2520B	
500-265072-7	FB-01-GW_20250310	Total/NA	Water	SM 2520B	
500-265072-9	MLR-01_20250310	Total/NA	Water	SM 2520B	
500-265072-11	MW-35_20250310	Total/NA	Water	SM 2520B	
500-265072-13	PNC-02_20250310	Total/NA	Water	SM 2520B	

Method: 1630 - Methyl Mercury

Lab Sample ID: MB 350-5875/1-A
Matrix: Water
Analysis Batch: 5914

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 5875

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		03/31/25 11:40	03/31/25 16:52	1

Lab Sample ID: MB 350-5875/2-A
Matrix: Water
Analysis Batch: 5914

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 5875

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		03/31/25 11:40	03/31/25 17:02	1

Lab Sample ID: MB 350-5875/3-A
Matrix: Water
Analysis Batch: 5914

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 5875

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		03/31/25 11:40	03/31/25 17:12	1

Lab Sample ID: LCS 350-5875/4-A
Matrix: Water
Analysis Batch: 5914

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 5875

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Methyl Mercury			1.00	0.717		ng/L		72	65 - 135		

Lab Sample ID: LCSD 350-5875/5-A
Matrix: Water
Analysis Batch: 5914

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 5875

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Methyl Mercury			1.00	0.692		ng/L		69	65 - 135	4	35

Lab Sample ID: 500-265072-1 MS
Matrix: Water
Analysis Batch: 5914

Client Sample ID: PNC-03_20250310
Prep Type: Total/NA
Prep Batch: 5875

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Methyl Mercury	0.040	J	1.00	0.777		ng/L		74	65 - 135		

Lab Sample ID: 500-265072-1 MSD
Matrix: Water
Analysis Batch: 5914

Client Sample ID: PNC-03_20250310
Prep Type: Total/NA
Prep Batch: 5875

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Methyl Mercury	0.040	J	1.00	0.783		ng/L		74	65 - 135	1	35

Method: 1631E - Mercury, Low Level (CVAFS)

Lab Sample ID: MB 350-5876/24
Matrix: Water
Analysis Batch: 5876

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			03/28/25 12:16	1

Lab Sample ID: MB 350-5876/25
Matrix: Water
Analysis Batch: 5876

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			03/28/25 12:21	1

Lab Sample ID: MB 350-5876/26
Matrix: Water
Analysis Batch: 5876

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			03/28/25 12:25	1

Lab Sample ID: MB 350-5876/27
Matrix: Water
Analysis Batch: 5876

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			03/28/25 12:29	1

Lab Sample ID: MB 350-5876/28
Matrix: Water
Analysis Batch: 5876

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			03/28/25 12:33	1

Lab Sample ID: MB 350-5876/29
Matrix: Water
Analysis Batch: 5876

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			03/28/25 12:37	1

Lab Sample ID: LCS 350-5876/38
Matrix: Water
Analysis Batch: 5876

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury			5.00	5.04		ng/L		101	77 - 123		

Lab Sample ID: LCS 350-5876/46
Matrix: Water
Analysis Batch: 5876

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury			5.00	4.78		ng/L		96	77 - 123		

Method: 1631E - Mercury, Low Level (CVAFS)

Lab Sample ID: LCSD 350-5876/39
Matrix: Water
Analysis Batch: 5876

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury			5.00	4.99		ng/L		100	77 - 123	1	24

Lab Sample ID: LCSD 350-5876/47
Matrix: Water
Analysis Batch: 5876

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury			5.00	4.74		ng/L		95	77 - 123	1	24

Method: 1638 - Metals (ICP/MS)

Lab Sample ID: MB 350-5899/1-A
Matrix: Water
Analysis Batch: 5943

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 5899

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	<0.0098		0.050	0.0098	ug/L		03/31/25 18:15	04/01/25 11:28	1

Lab Sample ID: MB 350-5899/2-A
Matrix: Water
Analysis Batch: 5943

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 5899

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	<0.0098		0.050	0.0098	ug/L		03/31/25 18:15	04/01/25 11:32	1

Lab Sample ID: LCS 350-5899/3-A
Matrix: Water
Analysis Batch: 5943

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 5899

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Uranium			25.0	25.8		ug/L		103	85 - 115

Lab Sample ID: LCSD 350-5899/4-A
Matrix: Water
Analysis Batch: 5943

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 5899

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Uranium			25.0	25.1		ug/L		100	85 - 115	3	20

Lab Sample ID: MB 350-5901/1-A
Matrix: Water
Analysis Batch: 5943

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 5901

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	<0.0098		0.050	0.0098	ug/L		03/31/25 18:15	04/01/25 15:25	1

Method: 1638 - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 350-5901/2-A
Matrix: Water
Analysis Batch: 5943

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 5901

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	<0.0098		0.050	0.0098	ug/L		03/31/25 18:15	04/01/25 15:29	1

Lab Sample ID: LCS 350-5901/3-A
Matrix: Water
Analysis Batch: 5943

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 5901

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Uranium			25.0	24.4		ug/L		98	85 - 115		

Lab Sample ID: LCSD 350-5901/4-A
Matrix: Water
Analysis Batch: 5943

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 5901

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Uranium			25.0	25.8		ug/L		103	85 - 115	5	20

Lab Sample ID: 500-265072-11 MS
Matrix: Water
Analysis Batch: 5943

Client Sample ID: MW-35_20250310
Prep Type: Total Recoverable
Prep Batch: 5901

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Uranium	2.7		25.0	29.6		ug/L		108	70 - 130		

Lab Sample ID: 500-265072-11 MSD
Matrix: Water
Analysis Batch: 5943

Client Sample ID: MW-35_20250310
Prep Type: Total Recoverable
Prep Batch: 5901

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Uranium	2.7		25.0	29.4		ug/L		107	70 - 130	1	20

Lab Sample ID: 500-265072-11 MS
Matrix: Water
Analysis Batch: 5943

Client Sample ID: MW-35_20250310
Prep Type: Dissolved
Prep Batch: 5901

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Uranium	2.3		25.0	25.8		ug/L		94	70 - 130		

Lab Sample ID: 500-265072-11 MSD
Matrix: Water
Analysis Batch: 5943

Client Sample ID: MW-35_20250310
Prep Type: Dissolved
Prep Batch: 5901

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Uranium	2.3		25.0	26.2		ug/L		96	70 - 130	1	20

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 500-809702/1-A
Matrix: Water
Analysis Batch: 810390

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 809702

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<25		100	25	ug/L		03/12/25 16:05	03/18/25 15:41	1
Arsenic	<0.23		1.0	0.23	ug/L		03/12/25 16:05	03/18/25 15:41	1
Barium	<0.73		2.5	0.73	ug/L		03/12/25 16:05	03/18/25 15:41	1
Beryllium	<0.53		1.0	0.53	ug/L		03/12/25 16:05	03/18/25 15:41	1
Boron	21.4	J	50	13	ug/L		03/12/25 16:05	03/18/25 15:41	1
Cadmium	<0.17		0.50	0.17	ug/L		03/12/25 16:05	03/18/25 15:41	1
Calcium	<44		200	44	ug/L		03/12/25 16:05	03/18/25 15:41	1
Chromium	<1.1		5.0	1.1	ug/L		03/12/25 16:05	03/18/25 15:41	1
Cobalt	<0.40		1.0	0.40	ug/L		03/12/25 16:05	03/18/25 15:41	1
Copper	<0.50		2.0	0.50	ug/L		03/12/25 16:05	03/18/25 15:41	1
Iron	<47		100	47	ug/L		03/12/25 16:05	03/18/25 15:41	1
Lead	<0.19		0.50	0.19	ug/L		03/12/25 16:05	03/18/25 15:41	1
Lithium	<2.5		10	2.5	ug/L		03/12/25 16:05	03/18/25 15:41	1
Magnesium	<49		200	49	ug/L		03/12/25 16:05	03/18/25 15:41	1
Manganese	<0.79		2.5	0.79	ug/L		03/12/25 16:05	03/18/25 15:41	1
Nickel	<0.63		2.0	0.63	ug/L		03/12/25 16:05	03/18/25 15:41	1
Potassium	<110		500	110	ug/L		03/12/25 16:05	03/18/25 15:41	1
Selenium	<0.98		2.5	0.98	ug/L		03/12/25 16:05	03/18/25 15:41	1
Silver	<0.12		0.50	0.12	ug/L		03/12/25 16:05	03/18/25 15:41	1
Sodium	<77		200	77	ug/L		03/12/25 16:05	03/18/25 15:41	1
Thallium	<0.57		2.0	0.57	ug/L		03/12/25 16:05	03/18/25 15:41	1
Zinc	<6.9		20	6.9	ug/L		03/12/25 16:05	03/18/25 15:41	1

Lab Sample ID: MB 500-809702/1-A
Matrix: Water
Analysis Batch: 810580

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 809702

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.3		3.0	1.3	ug/L		03/12/25 16:05	03/19/25 15:00	1
Molybdenum	<2.5		5.0	2.5	ug/L		03/12/25 16:05	03/19/25 15:00	1
Strontium	<0.64		4.0	0.64	ug/L		03/12/25 16:05	03/19/25 15:00	1
Tin	<1.3		5.0	1.3	ug/L		03/12/25 16:05	03/19/25 15:00	1
Vanadium	<2.2		5.0	2.2	ug/L		03/12/25 16:05	03/19/25 15:00	1

Lab Sample ID: LCS 500-809702/2-A
Matrix: Water
Analysis Batch: 810390

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 809702

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	2000	1790		ug/L		90	80 - 120
Arsenic	100	89.1		ug/L		89	80 - 120
Barium	500	467		ug/L		93	80 - 120
Beryllium	50.0	45.0		ug/L		90	80 - 120
Boron	1000	926		ug/L		93	80 - 120
Cadmium	50.0	46.1		ug/L		92	80 - 120
Calcium	10000	8000		ug/L		80	80 - 120
Chromium	200	175		ug/L		88	80 - 120
Cobalt	500	481		ug/L		96	80 - 120
Copper	250	233		ug/L		93	80 - 120

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 500-809702/2-A
Matrix: Water
Analysis Batch: 810390

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 809702

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Iron	1000	936		ug/L		94	80 - 120
Lead	100	91.4		ug/L		91	80 - 120
Lithium	100	94.2		ug/L		94	80 - 120
Magnesium	10000	9660		ug/L		97	80 - 120
Manganese	500	467		ug/L		93	80 - 120
Nickel	500	462		ug/L		92	80 - 120
Potassium	10000	9670		ug/L		97	80 - 120
Selenium	100	92.6		ug/L		93	80 - 120
Silver	50.0	46.3		ug/L		93	80 - 120
Sodium	10000	9390		ug/L		94	80 - 120
Thallium	100	93.8		ug/L		94	80 - 120
Zinc	500	453		ug/L		91	80 - 120

Lab Sample ID: LCS 500-809702/2-A
Matrix: Water
Analysis Batch: 810580

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 809702

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	500	510		ug/L		102	80 - 120
Molybdenum	1000	984		ug/L		98	80 - 120
Strontium	1000	991		ug/L		99	80 - 120
Tin	1000	992		ug/L		99	80 - 120
Vanadium	500	502		ug/L		100	80 - 120

Lab Sample ID: 500-265072-1 MS
Matrix: Water
Analysis Batch: 810390

Client Sample ID: PNC-03_20250310
Prep Type: Total Recoverable
Prep Batch: 809702

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	290		2000	2280		ug/L		100	75 - 125
Arsenic	0.31	J	100	90.4		ug/L		90	75 - 125
Barium	34		500	511		ug/L		95	75 - 125
Beryllium	<0.53		50.0	45.0		ug/L		90	75 - 125
Boron	35	J B	1000	957		ug/L		92	75 - 125
Cadmium	<0.17		50.0	46.1		ug/L		92	75 - 125
Calcium	18000		10000	26400		ug/L		85	75 - 125
Chromium	<1.1		200	180		ug/L		90	75 - 125
Cobalt	<0.40		500	491		ug/L		98	75 - 125
Copper	13		250	252		ug/L		95	75 - 125
Iron	920		1000	1930		ug/L		100	75 - 125
Lead	<0.19		100	94.3		ug/L		94	75 - 125
Lithium	<2.5		100	96.3		ug/L		96	75 - 125
Magnesium	4300		10000	14000		ug/L		97	75 - 125
Manganese	110		500	596		ug/L		97	75 - 125
Nickel	<0.63		500	469		ug/L		94	75 - 125
Potassium	900		10000	11000		ug/L		101	75 - 125
Selenium	<0.98		100	93.6		ug/L		94	75 - 125
Silver	<0.12		50.0	46.9		ug/L		94	75 - 125
Sodium	2500		10000	12000		ug/L		95	75 - 125

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 500-265072-1 MS
Matrix: Water
Analysis Batch: 810390

Client Sample ID: PNC-03_20250310
Prep Type: Total Recoverable
Prep Batch: 809702

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Thallium	<0.57		100	95.8		ug/L		96	75 - 125
Zinc	<6.9		500	458		ug/L		92	75 - 125

Lab Sample ID: 500-265072-1 MS
Matrix: Water
Analysis Batch: 810580

Client Sample ID: PNC-03_20250310
Prep Type: Total Recoverable
Prep Batch: 809702

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	<1.3		500	513		ug/L		103	75 - 125
Molybdenum	<2.5		1000	1000		ug/L		100	75 - 125
Strontium	78		1000	1090		ug/L		101	75 - 125
Tin	<1.3		1000	1020		ug/L		102	75 - 125
Vanadium	<2.2		500	509		ug/L		102	75 - 125

Lab Sample ID: 500-265072-1 MSD
Matrix: Water
Analysis Batch: 810390

Client Sample ID: PNC-03_20250310
Prep Type: Total Recoverable
Prep Batch: 809702

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum	290		2000	2360		ug/L		103	75 - 125	3	20
Arsenic	0.31	J	100	90.0		ug/L		90	75 - 125	0	20
Barium	34		500	502		ug/L		94	75 - 125	2	20
Beryllium	<0.53		50.0	46.0		ug/L		92	75 - 125	2	20
Boron	35	J B	1000	964		ug/L		93	75 - 125	1	20
Cadmium	<0.17		50.0	46.4		ug/L		93	75 - 125	1	20
Calcium	18000		10000	25800		ug/L		79	75 - 125	2	20
Chromium	<1.1		200	177		ug/L		89	75 - 125	1	20
Cobalt	<0.40		500	481		ug/L		96	75 - 125	2	20
Copper	13		250	249		ug/L		94	75 - 125	1	20
Iron	920		1000	1960		ug/L		104	75 - 125	2	20
Lead	<0.19		100	93.0		ug/L		93	75 - 125	1	20
Lithium	<2.5		100	96.7		ug/L		97	75 - 125	0	20
Magnesium	4300		10000	13800		ug/L		95	75 - 125	1	20
Manganese	110		500	595		ug/L		97	75 - 125	0	20
Nickel	<0.63		500	464		ug/L		93	75 - 125	1	20
Potassium	900		10000	10700		ug/L		98	75 - 125	2	20
Selenium	<0.98		100	93.5		ug/L		94	75 - 125	0	20
Silver	<0.12		50.0	46.6		ug/L		93	75 - 125	1	20
Sodium	2500		10000	11900		ug/L		94	75 - 125	1	20
Thallium	<0.57		100	94.4		ug/L		94	75 - 125	2	20
Zinc	<6.9		500	455		ug/L		91	75 - 125	1	20

Lab Sample ID: 500-265072-1 MSD
Matrix: Water
Analysis Batch: 810580

Client Sample ID: PNC-03_20250310
Prep Type: Total Recoverable
Prep Batch: 809702

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	<1.3		500	511		ug/L		102	75 - 125	0	20
Molybdenum	<2.5		1000	993		ug/L		99	75 - 125	1	20

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 500-265072-1 MSD
Matrix: Water
Analysis Batch: 810580

Client Sample ID: PNC-03_20250310
Prep Type: Total Recoverable
Prep Batch: 809702

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Strontium	78		1000	1080		ug/L		100	75 - 125	1	20
Tin	<1.3		1000	1010		ug/L		101	75 - 125	1	20
Vanadium	<2.2		500	509		ug/L		102	75 - 125	0	20

Lab Sample ID: 500-265072-1 DU
Matrix: Water
Analysis Batch: 810390

Client Sample ID: PNC-03_20250310
Prep Type: Total Recoverable
Prep Batch: 809702

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Aluminum	290			295		ug/L				2	20
Arsenic	0.31	J		0.267	J	ug/L				14	20
Barium	34			33.9		ug/L				1	20
Beryllium	<0.53			<0.53		ug/L				NC	20
Boron	35	J B		23.3	J F5	ug/L				41	20
Cadmium	<0.17			<0.17		ug/L				NC	20
Calcium	18000			17900		ug/L				0.05	20
Chromium	<1.1			<1.1		ug/L				NC	20
Cobalt	<0.40			<0.40		ug/L				NC	20
Copper	13			12.9		ug/L				0.6	20
Iron	920			924		ug/L				0	20
Lead	<0.19			<0.19		ug/L				NC	20
Lithium	<2.5			<2.5		ug/L				NC	20
Magnesium	4300			4310		ug/L				0.5	20
Manganese	110			108		ug/L				0.9	20
Nickel	<0.63			<0.63		ug/L				NC	20
Potassium	900			891		ug/L				0.7	20
Selenium	<0.98			<0.98		ug/L				NC	20
Silver	<0.12			<0.12		ug/L				NC	20
Sodium	2500			2490		ug/L				0.5	20
Thallium	<0.57			<0.57		ug/L				NC	20
Zinc	<6.9			<6.9		ug/L				NC	20

Lab Sample ID: 500-265072-1 DU
Matrix: Water
Analysis Batch: 810580

Client Sample ID: PNC-03_20250310
Prep Type: Total Recoverable
Prep Batch: 809702

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Antimony	<1.3			<1.3		ug/L				NC	20
Molybdenum	<2.5			<2.5		ug/L				NC	20
Strontium	78			77.2		ug/L				1	20
Tin	<1.3			<1.3		ug/L				NC	20
Vanadium	<2.2			<2.2		ug/L				NC	20

Lab Sample ID: MB 500-809748/1-A
Matrix: Water
Analysis Batch: 810573

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 809748

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<25		100	25	ug/L		03/13/25 08:23	03/19/25 16:05	1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 500-809748/1-A
Matrix: Water
Analysis Batch: 810573

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 809748

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.3		3.0	1.3	ug/L		03/13/25 08:23	03/19/25 16:05	1
Arsenic	<0.23		1.0	0.23	ug/L		03/13/25 08:23	03/19/25 16:05	1
Barium	<0.73		2.5	0.73	ug/L		03/13/25 08:23	03/19/25 16:05	1
Beryllium	<0.53		1.0	0.53	ug/L		03/13/25 08:23	03/19/25 16:05	1
Boron	<13		50	13	ug/L		03/13/25 08:23	03/19/25 16:05	1
Cadmium	<0.17		0.50	0.17	ug/L		03/13/25 08:23	03/19/25 16:05	1
Chromium	<1.1		5.0	1.1	ug/L		03/13/25 08:23	03/19/25 16:05	1
Cobalt	<0.40		1.0	0.40	ug/L		03/13/25 08:23	03/19/25 16:05	1
Copper	<0.50		2.0	0.50	ug/L		03/13/25 08:23	03/19/25 16:05	1
Iron	<47		100	47	ug/L		03/13/25 08:23	03/19/25 16:05	1
Lead	<0.19		0.50	0.19	ug/L		03/13/25 08:23	03/19/25 16:05	1
Lithium	<2.5		10	2.5	ug/L		03/13/25 08:23	03/19/25 16:05	1
Magnesium	<49		200	49	ug/L		03/13/25 08:23	03/19/25 16:05	1
Manganese	<0.79		2.5	0.79	ug/L		03/13/25 08:23	03/19/25 16:05	1
Molybdenum	<2.5		5.0	2.5	ug/L		03/13/25 08:23	03/19/25 16:05	1
Nickel	<0.63		2.0	0.63	ug/L		03/13/25 08:23	03/19/25 16:05	1
Potassium	<110		500	110	ug/L		03/13/25 08:23	03/19/25 16:05	1
Silver	<0.12		0.50	0.12	ug/L		03/13/25 08:23	03/19/25 16:05	1
Sodium	<77		200	77	ug/L		03/13/25 08:23	03/19/25 16:05	1
Strontium	<0.64		4.0	0.64	ug/L		03/13/25 08:23	03/19/25 16:05	1
Tin	<1.3		5.0	1.3	ug/L		03/13/25 08:23	03/19/25 16:05	1
Vanadium	<2.2		5.0	2.2	ug/L		03/13/25 08:23	03/19/25 16:05	1
Zinc	<6.9		20	6.9	ug/L		03/13/25 08:23	03/19/25 16:05	1

Lab Sample ID: MB 500-809748/1-A
Matrix: Water
Analysis Batch: 810729

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 809748

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	<44		200	44	ug/L		03/13/25 08:23	03/20/25 16:03	1
Selenium	<0.98		2.5	0.98	ug/L		03/13/25 08:23	03/20/25 16:03	1
Thallium	<0.57		2.0	0.57	ug/L		03/13/25 08:23	03/20/25 16:03	1

Lab Sample ID: LCS 500-809748/2-A
Matrix: Water
Analysis Batch: 810573

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 809748

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	2000	2080		ug/L		104	80 - 120
Antimony	500	555		ug/L		111	80 - 120
Arsenic	100	106		ug/L		106	80 - 120
Barium	500	548		ug/L		110	80 - 120
Beryllium	50.0	51.4		ug/L		103	80 - 120
Boron	1000	1030		ug/L		103	80 - 120
Cadmium	50.0	53.8		ug/L		108	80 - 120
Chromium	200	209		ug/L		104	80 - 120
Cobalt	500	552		ug/L		110	80 - 120
Copper	250	267		ug/L		107	80 - 120
Iron	1000	1090		ug/L		109	80 - 120

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 500-809748/2-A
Matrix: Water
Analysis Batch: 810573

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 809748

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Lead	100	107		ug/L		107	80 - 120
Lithium	100	105		ug/L		105	80 - 120
Magnesium	10000	10900		ug/L		109	80 - 120
Manganese	500	558		ug/L		112	80 - 120
Molybdenum	1000	1050		ug/L		105	80 - 120
Nickel	500	531		ug/L		106	80 - 120
Potassium	10000	11300		ug/L		113	80 - 120
Silver	50.0	54.6		ug/L		109	80 - 120
Sodium	10000	10900		ug/L		109	80 - 120
Strontium	1000	1070		ug/L		107	80 - 120
Tin	1000	1090		ug/L		109	80 - 120
Vanadium	500	540		ug/L		108	80 - 120
Zinc	500	527		ug/L		105	80 - 120

Lab Sample ID: LCS 500-809748/2-A
Matrix: Water
Analysis Batch: 810729

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 809748

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Calcium	10000	9000		ug/L		90	80 - 120
Selenium	100	111		ug/L		111	80 - 120
Thallium	100	102		ug/L		102	80 - 120

Lab Sample ID: 500-265072-9 MS
Matrix: Water
Analysis Batch: 810573

Client Sample ID: MLR-01_20250310
Prep Type: Total Recoverable
Prep Batch: 809748

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	1700	F1	2000	4410	F1	ug/L		137	75 - 125
Antimony	<1.3		500	550		ug/L		110	75 - 125
Arsenic	0.43	J	100	105		ug/L		104	75 - 125
Barium	22		500	563		ug/L		108	75 - 125
Beryllium	<0.53		50.0	51.4		ug/L		103	75 - 125
Boron	20	J	1000	1040		ug/L		101	75 - 125
Cadmium	<0.17		50.0	53.2		ug/L		106	75 - 125
Chromium	1.8	J	200	209		ug/L		104	75 - 125
Cobalt	0.46	J	500	554		ug/L		111	75 - 125
Copper	14		250	279		ug/L		106	75 - 125
Iron	1500		1000	2650		ug/L		118	75 - 125
Lead	0.66		100	108		ug/L		107	75 - 125
Lithium	<2.5		100	106		ug/L		106	75 - 125
Magnesium	2300		10000	13300		ug/L		110	75 - 125
Manganese	27		500	583		ug/L		111	75 - 125
Molybdenum	<2.5		1000	1040		ug/L		104	75 - 125
Nickel	1.1	J	500	526		ug/L		105	75 - 125
Potassium	930		10000	12200		ug/L		113	75 - 125
Silver	<0.12		50.0	54.5		ug/L		109	75 - 125
Sodium	4200		10000	14600		ug/L		104	75 - 125
Strontium	23		1000	1070		ug/L		105	75 - 125

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 500-265072-9 MS
Matrix: Water
Analysis Batch: 810573

Client Sample ID: MLR-01_20250310
Prep Type: Total Recoverable
Prep Batch: 809748

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Tin	<1.3		1000	1080		ug/L		108	75 - 125
Vanadium	3.0	J	500	539		ug/L		107	75 - 125
Zinc	<6.9		500	524		ug/L		105	75 - 125

Lab Sample ID: 500-265072-9 MS
Matrix: Water
Analysis Batch: 810729

Client Sample ID: MLR-01_20250310
Prep Type: Total Recoverable
Prep Batch: 809748

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Calcium	7700		10000	16500		ug/L		88	75 - 125
Selenium	<0.98		100	110		ug/L		110	75 - 125
Thallium	<0.57		100	103		ug/L		103	75 - 125

Lab Sample ID: 500-265072-9 MSD
Matrix: Water
Analysis Batch: 810573

Client Sample ID: MLR-01_20250310
Prep Type: Total Recoverable
Prep Batch: 809748

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum	1700	F1	2000	4370	F1	ug/L		135	75 - 125	1	20
Antimony	<1.3		500	543		ug/L		109	75 - 125	1	20
Arsenic	0.43	J	100	103		ug/L		103	75 - 125	1	20
Barium	22		500	561		ug/L		108	75 - 125	0	20
Beryllium	<0.53		50.0	49.0		ug/L		98	75 - 125	5	20
Boron	20	J	1000	1030		ug/L		101	75 - 125	1	20
Cadmium	<0.17		50.0	52.8		ug/L		106	75 - 125	1	20
Chromium	1.8	J	200	209		ug/L		104	75 - 125	0	20
Cobalt	0.46	J	500	553		ug/L		110	75 - 125	0	20
Copper	14		250	277		ug/L		105	75 - 125	1	20
Iron	1500		1000	2620		ug/L		115	75 - 125	1	20
Lead	0.66		100	107		ug/L		106	75 - 125	1	20
Lithium	<2.5		100	105		ug/L		105	75 - 125	1	20
Magnesium	2300		10000	13200		ug/L		110	75 - 125	0	20
Manganese	27		500	584		ug/L		111	75 - 125	0	20
Molybdenum	<2.5		1000	1030		ug/L		103	75 - 125	1	20
Nickel	1.1	J	500	523		ug/L		104	75 - 125	1	20
Potassium	930		10000	12100		ug/L		112	75 - 125	1	20
Silver	<0.12		50.0	54.1		ug/L		108	75 - 125	1	20
Sodium	4200		10000	14400		ug/L		102	75 - 125	1	20
Strontium	23		1000	1070		ug/L		104	75 - 125	1	20
Tin	<1.3		1000	1080		ug/L		108	75 - 125	1	20
Vanadium	3.0	J	500	537		ug/L		107	75 - 125	0	20
Zinc	<6.9		500	521		ug/L		104	75 - 125	1	20

Lab Sample ID: 500-265072-9 MSD
Matrix: Water
Analysis Batch: 810729

Client Sample ID: MLR-01_20250310
Prep Type: Total Recoverable
Prep Batch: 809748

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Calcium	7700		10000	16500		ug/L		88	75 - 125	0	20

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 500-265072-9 MSD
Matrix: Water
Analysis Batch: 810729

Client Sample ID: MLR-01_20250310
Prep Type: Total Recoverable
Prep Batch: 809748

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Selenium	<0.98		100	109		ug/L		109	75 - 125	1	20
Thallium	<0.57		100	102		ug/L		102	75 - 125	0	20

Lab Sample ID: 500-265072-9 DU
Matrix: Water
Analysis Batch: 810573

Client Sample ID: MLR-01_20250310
Prep Type: Total Recoverable
Prep Batch: 809748

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Aluminum	1700	F1	1760		ug/L		5	20
Antimony	<1.3		<1.3		ug/L		NC	20
Arsenic	0.43	J	0.405	J	ug/L		7	20
Barium	22		22.8		ug/L		2	20
Beryllium	<0.53		<0.53		ug/L		NC	20
Boron	20	J	14.6	J F5	ug/L		33	20
Cadmium	<0.17		<0.17		ug/L		NC	20
Chromium	1.8	J	2.41	J F5	ug/L		28	20
Cobalt	0.46	J	0.484	J	ug/L		5	20
Copper	14		13.9		ug/L		3	20
Iron	1500		1570		ug/L		6	20
Lead	0.66		0.681		ug/L		4	20
Lithium	<2.5		<2.5		ug/L		NC	20
Magnesium	2300		2280		ug/L		0.9	20
Manganese	27		27.0		ug/L		2	20
Molybdenum	<2.5		<2.5		ug/L		NC	20
Nickel	1.1	J	1.21	J	ug/L		8	20
Potassium	930		947		ug/L		2	20
Silver	<0.12		<0.12		ug/L		NC	20
Sodium	4200		4170		ug/L		0.7	20
Strontium	23		22.8		ug/L		1	20
Tin	<1.3		<1.3		ug/L		NC	20
Vanadium	3.0	J	3.21	J	ug/L		8	20
Zinc	<6.9		<6.9		ug/L		NC	20

Lab Sample ID: 500-265072-9 DU
Matrix: Water
Analysis Batch: 810729

Client Sample ID: MLR-01_20250310
Prep Type: Total Recoverable
Prep Batch: 809748

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Calcium	7700		7750		ug/L		0.8	20
Selenium	<0.98		<0.98		ug/L		NC	20
Thallium	<0.57		<0.57		ug/L		NC	20

Lab Sample ID: MB 500-810213/1-A
Matrix: Water
Analysis Batch: 810733

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 810213

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<25		100	25	ug/L		03/18/25 08:06	03/20/25 19:41	1
Antimony	<1.3		3.0	1.3	ug/L		03/18/25 08:06	03/20/25 19:41	1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 500-810213/1-A
Matrix: Water
Analysis Batch: 810733

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 810213

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.23		1.0	0.23	ug/L		03/18/25 08:06	03/20/25 19:41	1
Barium	<0.73		2.5	0.73	ug/L		03/18/25 08:06	03/20/25 19:41	1
Beryllium	<0.53		1.0	0.53	ug/L		03/18/25 08:06	03/20/25 19:41	1
Boron	<13		50	13	ug/L		03/18/25 08:06	03/20/25 19:41	1
Cadmium	<0.17		0.50	0.17	ug/L		03/18/25 08:06	03/20/25 19:41	1
Calcium	<44		200	44	ug/L		03/18/25 08:06	03/20/25 19:41	1
Chromium	<1.1		5.0	1.1	ug/L		03/18/25 08:06	03/20/25 19:41	1
Cobalt	<0.40		1.0	0.40	ug/L		03/18/25 08:06	03/20/25 19:41	1
Iron	<47		100	47	ug/L		03/18/25 08:06	03/20/25 19:41	1
Lead	<0.19		0.50	0.19	ug/L		03/18/25 08:06	03/20/25 19:41	1
Lithium	<2.5		10	2.5	ug/L		03/18/25 08:06	03/20/25 19:41	1
Magnesium	<49		200	49	ug/L		03/18/25 08:06	03/20/25 19:41	1
Manganese	<0.79		2.5	0.79	ug/L		03/18/25 08:06	03/20/25 19:41	1
Molybdenum	<2.5		5.0	2.5	ug/L		03/18/25 08:06	03/20/25 19:41	1
Nickel	<0.63		2.0	0.63	ug/L		03/18/25 08:06	03/20/25 19:41	1
Potassium	<110		500	110	ug/L		03/18/25 08:06	03/20/25 19:41	1
Selenium	<0.98		2.5	0.98	ug/L		03/18/25 08:06	03/20/25 19:41	1
Silver	<0.12		0.50	0.12	ug/L		03/18/25 08:06	03/20/25 19:41	1
Sodium	<77		200	77	ug/L		03/18/25 08:06	03/20/25 19:41	1
Strontium	<0.64		4.0	0.64	ug/L		03/18/25 08:06	03/20/25 19:41	1
Thallium	<0.57		2.0	0.57	ug/L		03/18/25 08:06	03/20/25 19:41	1
Tin	<1.3		5.0	1.3	ug/L		03/18/25 08:06	03/20/25 19:41	1
Vanadium	<2.2		5.0	2.2	ug/L		03/18/25 08:06	03/20/25 19:41	1
Zinc	<6.9		20	6.9	ug/L		03/18/25 08:06	03/20/25 19:41	1

Lab Sample ID: MB 500-810213/1-A
Matrix: Water
Analysis Batch: 811548

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 810213

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	0.537	J	2.0	0.50	ug/L		03/18/25 08:06	03/27/25 11:00	1

Lab Sample ID: LCS 500-810213/2-A
Matrix: Water
Analysis Batch: 810733

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 810213

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	2000	1990		ug/L		100	80 - 120
Antimony	500	521		ug/L		104	80 - 120
Arsenic	100	100		ug/L		100	80 - 120
Barium	500	521		ug/L		104	80 - 120
Beryllium	50.0	48.5		ug/L		97	80 - 120
Boron	1000	990		ug/L		99	80 - 120
Cadmium	50.0	51.1		ug/L		102	80 - 120
Calcium	10000	8820		ug/L		88	80 - 120
Chromium	200	203		ug/L		102	80 - 120
Cobalt	500	534		ug/L		107	80 - 120
Iron	1000	1040		ug/L		104	80 - 120
Lead	100	103		ug/L		103	80 - 120

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 500-810213/2-A
Matrix: Water
Analysis Batch: 810733

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 810213

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Lithium	100	102		ug/L		102	80 - 120
Magnesium	10000	10800		ug/L		108	80 - 120
Manganese	500	528		ug/L		106	80 - 120
Molybdenum	1000	1010		ug/L		101	80 - 120
Nickel	500	557		ug/L		111	80 - 120
Potassium	10000	10900		ug/L		109	80 - 120
Selenium	100	104		ug/L		104	80 - 120
Silver	50.0	52.0		ug/L		104	80 - 120
Sodium	10000	10600		ug/L		106	80 - 120
Strontium	1000	1040		ug/L		104	80 - 120
Thallium	100	105		ug/L		105	80 - 120
Tin	1000	1030		ug/L		103	80 - 120
Vanadium	500	506		ug/L		101	80 - 120
Zinc	500	512		ug/L		102	80 - 120

Lab Sample ID: LCS 500-810213/2-A
Matrix: Water
Analysis Batch: 811548

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 810213

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Copper	250	274		ug/L		109	80 - 120

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 500-809644/3
Matrix: Water
Analysis Batch: 809644

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	<0.45		1.0	0.45	mg/L			03/12/25 12:56	1
Chloride	<0.42		1.0	0.42	mg/L			03/12/25 12:56	1
Fluoride	<0.43		1.0	0.43	mg/L			03/12/25 12:56	1
Sulfate	<0.47		1.0	0.47	mg/L			03/12/25 12:56	1

Lab Sample ID: LCS 500-809644/4
Matrix: Water
Analysis Batch: 809644

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bromide	20.0	18.5		mg/L		92	90 - 110
Chloride	100	101		mg/L		101	90 - 110
Fluoride	20.0	19.2		mg/L		96	90 - 110
Sulfate	100	103		mg/L		103	90 - 110

Lab Sample ID: 500-265072-9 MS
Matrix: Water
Analysis Batch: 809644

Client Sample ID: MLR-01_20250310
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Bromide	<0.45		10.0	10.4		mg/L		104	80 - 120

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 500-265072-9 MS
Matrix: Water
Analysis Batch: 809644

Client Sample ID: MLR-01_20250310
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	4.9		10.0	15.8		mg/L		109	80 - 120
Fluoride	<0.43		10.0	10.8		mg/L		108	80 - 120
Sulfate	1.5		10.0	12.5		mg/L		110	80 - 120

Lab Sample ID: 500-265072-9 MSD
Matrix: Water
Analysis Batch: 809644

Client Sample ID: MLR-01_20250310
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Bromide	<0.45		10.0	9.91		mg/L		99	80 - 120	5	20
Chloride	4.9		10.0	15.1		mg/L		102	80 - 120	5	20
Fluoride	<0.43		10.0	10.3		mg/L		103	80 - 120	5	20
Sulfate	1.5		10.0	11.9		mg/L		104	80 - 120	5	20

Lab Sample ID: MB 500-809645/3
Matrix: Water
Analysis Batch: 809645

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	<0.37		1.0	0.37	mg/L			03/12/25 12:56	1
Nitrite as N	<0.25		1.0	0.25	mg/L			03/12/25 12:56	1
Nitrate Nitrite as N	<0.37		1.0	0.37	mg/L			03/12/25 12:56	1

Lab Sample ID: LCS 500-809645/4
Matrix: Water
Analysis Batch: 809645

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate as N	20.0	21.3		mg/L		107	90 - 110
Nitrite as N	20.0	20.5		mg/L		103	90 - 110
Nitrate Nitrite as N	40.0	41.8		mg/L		105	90 - 110

Lab Sample ID: 500-265072-9 MS
Matrix: Water
Analysis Batch: 809645

Client Sample ID: MLR-01_20250310
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate as N	<0.37		2.26	2.63		mg/L		117	80 - 120
Nitrite as N	<0.25		3.03	3.38		mg/L		112	80 - 120
Nitrate Nitrite as N	<0.37		5.29	6.01		mg/L		114	80 - 120

Lab Sample ID: 500-265072-9 MSD
Matrix: Water
Analysis Batch: 809645

Client Sample ID: MLR-01_20250310
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrate as N	<0.37		2.26	2.55		mg/L		113	80 - 120	3	20
Nitrite as N	<0.25		3.03	3.19		mg/L		105	80 - 120	6	20
Nitrate Nitrite as N	<0.37		5.29	5.74		mg/L		109	80 - 120	5	20

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: MB 500-809833/1-A
Matrix: Water
Analysis Batch: 809804

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.42		1.0	0.42	mg/L			03/13/25 19:12	1

Lab Sample ID: LCS 500-809833/2-A
Matrix: Water
Analysis Batch: 809804

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			100	106		mg/L		106	90 - 110		

Method: 335.4 - Cyanide, Total

Lab Sample ID: MB 500-809680/1-A
Matrix: Water
Analysis Batch: 809708

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 809680

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.0036		0.0050	0.0036	mg/L		03/12/25 14:20	03/12/25 15:57	1

Lab Sample ID: LCS 500-809680/2-A
Matrix: Water
Analysis Batch: 809708

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 809680

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Cyanide, Total			0.100	0.0980		mg/L		98	90 - 110		

Lab Sample ID: 500-265072-7 MS
Matrix: Water
Analysis Batch: 809708

Client Sample ID: FB-01-GW_20250310
Prep Type: Total/NA
Prep Batch: 809680

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Cyanide, Total	<0.0036		0.100	0.109		mg/L		109	90 - 110		

Lab Sample ID: 500-265072-7 MSD
Matrix: Water
Analysis Batch: 809708

Client Sample ID: FB-01-GW_20250310
Prep Type: Total/NA
Prep Batch: 809680

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Cyanide, Total	<0.0036		0.100	0.0990		mg/L		99	90 - 110	10	20

Method: 350.1 - Nitrogen, Ammonia

Lab Sample ID: MB 500-811174/1-A
Matrix: Water
Analysis Batch: 811332

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 811174

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	<0.10		0.20	0.10	mg/L		03/25/25 13:51	03/26/25 12:14	1

Method: 350.1 - Nitrogen, Ammonia (Continued)

Lab Sample ID: LCS 500-811174/2-A
Matrix: Water
Analysis Batch: 811332

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 811174

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ammonia	2.00	2.07		mg/L		104	90 - 110

Method: 365.1 - Phosphorus, Total

Lab Sample ID: MB 500-809703/1-A
Matrix: Water
Analysis Batch: 809870

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 809703

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phosphorus as P	<0.024		0.050	0.024	mg/L		03/13/25 07:45	03/13/25 16:00	1

Lab Sample ID: LCS 500-809703/2-A
Matrix: Water
Analysis Batch: 809870

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 809703

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Phosphorus as P	1.00	0.937		mg/L		94	88 - 123

Method: SM 2320B - Alkalinity

Lab Sample ID: MB 500-810684/28
Matrix: Water
Analysis Batch: 810684

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	3.99	J	5.0	3.7	mg/L			03/20/25 14:23	1
Bicarbonate Alkalinity as CaCO3	3.99	J	5.0	3.7	mg/L			03/20/25 14:23	1
Carbonate Alkalinity as CaCO3	<3.7		5.0	3.7	mg/L			03/20/25 14:23	1

Lab Sample ID: LCS 500-810684/29
Matrix: Water
Analysis Batch: 810684

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Alkalinity	100	107		mg/L		107	95 - 121

Lab Sample ID: 500-265072-7 DU
Matrix: Water
Analysis Batch: 810684

Client Sample ID: FB-01-GW_20250310
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Alkalinity	<3.7		<3.7		mg/L		NC	20
Bicarbonate Alkalinity as CaCO3	<3.7		<3.7		mg/L		NC	20
Carbonate Alkalinity as CaCO3	<3.7		<3.7		mg/L		NC	20

Method: SM 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 500-810028/1
Matrix: Water
Analysis Batch: 810028

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<4.3		10	4.3	mg/L			03/16/25 22:43	1

Lab Sample ID: LCS 500-810028/2
Matrix: Water
Analysis Batch: 810028

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Dissolved Solids			250	248		mg/L		99	80 - 120		

Lab Sample ID: 500-265072-1 MS
Matrix: Water
Analysis Batch: 810028

Client Sample ID: PNC-03_20250310
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Dissolved Solids	110		250	350		mg/L		98	75 - 125		

Lab Sample ID: 500-265072-1 DU
Matrix: Water
Analysis Batch: 810028

Client Sample ID: PNC-03_20250310
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	110			106		mg/L				0	5

Lab Sample ID: 500-265072-3 DU
Matrix: Water
Analysis Batch: 810028

Client Sample ID: MW-5SB_20250310
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	730			742		mg/L				1	5

Method: SM 2540D - Solids, Total Suspended (TSS)

Lab Sample ID: MB 500-809973/1
Matrix: Water
Analysis Batch: 809973

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	<1.9		5.0	1.9	mg/L			03/14/25 13:12	1

Lab Sample ID: LCS 500-809973/2
Matrix: Water
Analysis Batch: 809973

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Suspended Solids			200	164		mg/L		82	80 - 120		

Method: SM 2540D - Solids, Total Suspended (TSS) (Continued)

Lab Sample ID: 500-265072-7 MS
Matrix: Water
Analysis Batch: 809973

Client Sample ID: FB-01-GW_20250310
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Suspended Solids	<1.9		100	93.0		mg/L		93	75 - 125		

Method: SM 4500 S2 F - Sulfide, Total

Lab Sample ID: MB 500-810030/1
Matrix: Water
Analysis Batch: 810030

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	<0.23		1.0	0.23	mg/L			03/17/25 02:09	1

Lab Sample ID: LCS 500-810030/2
Matrix: Water
Analysis Batch: 810030

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Sulfide			3.97	3.70		mg/L		93	85 - 115		

Method: SM 5310C - TOC

Lab Sample ID: MB 500-810987/7
Matrix: Water
Analysis Batch: 810987

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	<0.47		1.0	0.47	mg/L			03/23/25 13:21	1

Lab Sample ID: LCS 500-810987/8
Matrix: Water
Analysis Batch: 810987

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Organic Carbon			10.0	9.31		mg/L		93	86 - 116		

Lab Sample ID: 500-265072-9 MS
Matrix: Water
Analysis Batch: 810987

Client Sample ID: MLR-01_20250310
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Organic Carbon	7.6		10.0	18.7		mg/L		111	75 - 125		

Lab Sample ID: 500-265072-9 MSD
Matrix: Water
Analysis Batch: 810987

Client Sample ID: MLR-01_20250310
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Organic Carbon	7.6		10.0	18.8		mg/L		111	75 - 125	0	20

Method: SM 5310C - Organic Carbon, Dissolved (DOC)

Lab Sample ID: MB 500-810702/31
Matrix: Water
Analysis Batch: 810702

Client Sample ID: Method Blank
Prep Type: Dissolved

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon	<0.47		1.0	0.47	mg/L			03/20/25 04:28	1

Lab Sample ID: LCS 500-810702/32
Matrix: Water
Analysis Batch: 810702

Client Sample ID: Lab Control Sample
Prep Type: Dissolved

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Dissolved Organic Carbon	10.0	9.69		mg/L		97	86 - 116

Lab Sample ID: MB 500-811081/31
Matrix: Water
Analysis Batch: 811081

Client Sample ID: Method Blank
Prep Type: Dissolved

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon	<0.47		1.0	0.47	mg/L			03/24/25 01:51	1

Lab Sample ID: LCS 500-811081/32
Matrix: Water
Analysis Batch: 811081

Client Sample ID: Lab Control Sample
Prep Type: Dissolved

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Dissolved Organic Carbon	10.0	9.47		mg/L		95	86 - 116

Lab Sample ID: 500-265072-9 MS
Matrix: Water
Analysis Batch: 811081

Client Sample ID: MLR-01_20250310
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Dissolved Organic Carbon	7.6		10.0	18.0		mg/L		104	75 - 125

Lab Sample ID: 500-265072-9 MSD
Matrix: Water
Analysis Batch: 811081

Client Sample ID: MLR-01_20250310
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Dissolved Organic Carbon	7.6		10.0	18.0		mg/L		104	75 - 125	0	20

Lab Chronicle

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-265072-1

Client Sample ID: PNC-03_20250310

Lab Sample ID: 500-265072-1

Date Collected: 03/10/25 16:30

Matrix: Water

Date Received: 03/12/25 10:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	1630			5875	AJD	EET SSM	03/31/25 11:40
Dissolved	Analysis	1630		1	5914	CL	EET SSM	03/31/25 18:44
Total/NA	Prep	1630			5875	AJD	EET SSM	03/31/25 11:40
Total/NA	Analysis	1630		1	5914	CL	EET SSM	03/31/25 17:23
Dissolved	Analysis	1631E		1	5876	CL	EET SSM	03/28/25 17:28
Total/NA	Analysis	1631E		1	5876	CL	EET SSM	03/28/25 15:56
Dissolved	Prep	1638			5899	COW	EET SSM	03/31/25 18:15
Dissolved	Analysis	1638		1	5943	V1R	EET SSM	04/01/25 13:23
Total Recoverable	Prep	1638			5899	COW	EET SSM	03/31/25 18:15
Total Recoverable	Analysis	1638		1	5943	V1R	EET SSM	04/01/25 13:18
Dissolved	Prep	3005A			809702	S1Z	EET CHI	03/12/25 16:05 - 03/12/25 22:05 ¹
Dissolved	Analysis	6020B		1	810390	RN	EET CHI	03/18/25 15:58
Dissolved	Prep	3005A			809702	S1Z	EET CHI	03/12/25 16:05 - 03/12/25 22:05 ¹
Dissolved	Analysis	6020B		1	810580	RN	EET CHI	03/19/25 15:22
Total Recoverable	Prep	3005A			809702	S1Z	EET CHI	03/12/25 16:05 - 03/12/25 22:05 ¹
Total Recoverable	Analysis	6020B		1	810390	RN	EET CHI	03/18/25 15:46
Total Recoverable	Prep	3005A			809702	S1Z	EET CHI	03/12/25 16:05 - 03/12/25 22:05 ¹
Total Recoverable	Analysis	6020B		1	810580	RN	EET CHI	03/19/25 15:05
Total Recoverable	Prep	3005A			809702	S1Z	EET CHI	03/12/25 16:05 - 03/12/25 22:05 ¹
Total Recoverable	Analysis	SM 2340B		1	810439	DAJ	EET CHI	03/19/25 10:54
Total/NA	Analysis	300.0		1	809644	MM	EET CHI	03/12/25 13:42
Total/NA	Analysis	300.0		1	809645	MM	EET CHI	03/12/25 13:42
Total/NA	Prep	Distill/CN			809680	AC	EET CHI	03/12/25 14:20 - 03/12/25 14:50 ¹
Total/NA	Analysis	335.4		1	809708	AC	EET CHI	03/12/25 16:09
Total/NA	Prep	Distill/Ammonia			811174	EB	EET CHI	03/25/25 13:51 - 03/25/25 14:51 ¹
Total/NA	Analysis	350.1		1	811332	EB	EET CHI	03/26/25 12:15
Total/NA	Prep	365.2/365.3/365			809703	MF	EET CHI	03/13/25 07:45 - 03/13/25 11:45 ¹
Total/NA	Analysis	365.1		1	809870	KF	EET CHI	03/13/25 16:12
Total/NA	Analysis	SM 2320B		1	810684	AC	EET CHI	03/20/25 11:18
Total/NA	Analysis	SM 2520B		1	811476	AC	EET CHI	03/27/25 10:26
Total/NA	Analysis	SM 2540C		1	810028	CLB	EET CHI	03/16/25 23:16
Total/NA	Analysis	SM 2540D		1	809973	SO	EET CHI	03/14/25 13:34 - 03/14/25 13:37 ¹
Total/NA	Analysis	SM 4500 S2 F		1	810030	CLB	EET CHI	03/17/25 02:41 - 03/17/25 02:45 ¹
Dissolved	Analysis	SM 5310C		1	810702	TR	EET CHI	03/20/25 12:31
Total/NA	Analysis	SM 5310C		1	810987	TR	EET CHI	03/23/25 16:35

Client Sample ID: PNC-03_20250310_FBLL

Lab Sample ID: 500-265072-2

Date Collected: 03/10/25 16:30

Matrix: Water

Date Received: 03/12/25 10:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	1631E		1	5876	CL	EET SSM	03/28/25 16:01

Lab Chronicle

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-265072-1

Client Sample ID: MW-5SB_20250310

Date Collected: 03/10/25 15:30
Date Received: 03/12/25 10:05

Lab Sample ID: 500-265072-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	1630			5875	AJD	EET SSM	03/31/25 11:40
Dissolved	Analysis	1630		1	5914	CL	EET SSM	03/31/25 19:05
Total/NA	Prep	1630			5875	AJD	EET SSM	03/31/25 11:40
Total/NA	Analysis	1630		1	5914	CL	EET SSM	03/31/25 18:54
Dissolved	Analysis	1631E		1	5876	CL	EET SSM	03/28/25 17:32
Total/NA	Analysis	1631E		1	5876	CL	EET SSM	03/28/25 16:05
Dissolved	Prep	1638			5899	COW	EET SSM	03/31/25 18:15
Dissolved	Analysis	1638		1	5943	V1R	EET SSM	04/01/25 13:31
Total Recoverable	Prep	1638			5899	COW	EET SSM	03/31/25 18:15
Total Recoverable	Analysis	1638		1	5943	V1R	EET SSM	04/01/25 13:27
Dissolved	Prep	3005A			809702	S1Z	EET CHI	03/12/25 16:05 - 03/12/25 22:05 ¹
Dissolved	Analysis	6020B		1	810390	RN	EET CHI	03/18/25 16:03
Dissolved	Prep	3005A			809702	S1Z	EET CHI	03/12/25 16:05 - 03/12/25 22:05 ¹
Dissolved	Analysis	6020B		1	810580	RN	EET CHI	03/19/25 15:27
Total Recoverable	Prep	3005A			809702	S1Z	EET CHI	03/12/25 16:05 - 03/12/25 22:05 ¹
Total Recoverable	Analysis	6020B		1	810390	RN	EET CHI	03/18/25 16:00
Total Recoverable	Prep	3005A			809702	S1Z	EET CHI	03/12/25 16:05 - 03/12/25 22:05 ¹
Total Recoverable	Analysis	6020B		1	810580	RN	EET CHI	03/19/25 15:24
Total Recoverable	Prep	3005A			809702	S1Z	EET CHI	03/12/25 16:05 - 03/12/25 22:05 ¹
Total Recoverable	Analysis	SM 2340B		1	810439	DAJ	EET CHI	03/19/25 10:54
Total/NA	Analysis	300.0		1	809644	MM	EET CHI	03/12/25 13:27
Total/NA	Analysis	300.0		1	809645	MM	EET CHI	03/12/25 13:27
Total/NA	Analysis	300.0		10	809804	MM	EET CHI	03/13/25 21:15
Total/NA	Prep	Distill/CN			809680	AC	EET CHI	03/12/25 14:20 - 03/12/25 14:50 ¹
Total/NA	Analysis	335.4		1	809708	AC	EET CHI	03/12/25 16:09
Total/NA	Prep	Distill/Ammonia			811174	EB	EET CHI	03/25/25 13:51 - 03/25/25 14:51 ¹
Total/NA	Analysis	350.1		1	811332	EB	EET CHI	03/26/25 12:15
Total/NA	Prep	365.2/365.3/365			809703	MF	EET CHI	03/13/25 07:45 - 03/13/25 11:45 ¹
Total/NA	Analysis	365.1		1	809870	KF	EET CHI	03/13/25 16:13
Total/NA	Analysis	SM 2320B		1	810684	AC	EET CHI	03/20/25 11:26
Total/NA	Analysis	SM 2520B		1	811476	AC	EET CHI	03/27/25 10:26
Total/NA	Analysis	SM 2540C		1	810028	CLB	EET CHI	03/16/25 23:24
Total/NA	Analysis	SM 2540D		1	809973	SO	EET CHI	03/14/25 13:37 - 03/14/25 13:39 ¹
Total/NA	Analysis	SM 4500 S2 F		1	810030	CLB	EET CHI	03/17/25 02:45 - 03/17/25 02:48 ¹
Dissolved	Analysis	SM 5310C		1	810702	TR	EET CHI	03/20/25 13:04
Total/NA	Analysis	SM 5310C		1	810987	TR	EET CHI	03/23/25 17:07

Client Sample ID: MW-5SB_20250310_FBLL

Date Collected: 03/10/25 15:30
Date Received: 03/12/25 10:05

Lab Sample ID: 500-265072-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	1631E		1	5876	CL	EET SSM	03/28/25 16:17

Client Sample ID: MW-35SB_20250310

Lab Sample ID: 500-265072-5

Date Collected: 03/10/25 11:30

Matrix: Water

Date Received: 03/12/25 10:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	1630			5875	AJD	EET SSM	03/31/25 11:40
Dissolved	Analysis	1630		1	5914	CL	EET SSM	03/31/25 19:25
Total/NA	Prep	1630			5875	AJD	EET SSM	03/31/25 11:40
Total/NA	Analysis	1630		1	5914	CL	EET SSM	03/31/25 19:15
Dissolved	Analysis	1631E		1	5876	CL	EET SSM	03/28/25 17:36
Total/NA	Analysis	1631E		1	5876	CL	EET SSM	03/28/25 16:21
Dissolved	Prep	1638			5899	COW	EET SSM	03/31/25 18:15
Dissolved	Analysis	1638		1	5943	V1R	EET SSM	04/01/25 13:39
Total Recoverable	Prep	1638			5899	COW	EET SSM	03/31/25 18:15
Total Recoverable	Analysis	1638		1	5943	V1R	EET SSM	04/01/25 13:35
Dissolved	Prep	3005A			809702	S1Z	EET CHI	03/12/25 16:05 - 03/12/25 22:05 ¹
Dissolved	Analysis	6020B		1	810390	RN	EET CHI	03/18/25 16:12
Dissolved	Prep	3005A			809702	S1Z	EET CHI	03/12/25 16:05 - 03/12/25 22:05 ¹
Dissolved	Analysis	6020B		1	810580	RN	EET CHI	03/19/25 15:33
Total Recoverable	Prep	3005A			809702	S1Z	EET CHI	03/12/25 16:05 - 03/12/25 22:05 ¹
Total Recoverable	Analysis	6020B		1	810390	RN	EET CHI	03/18/25 16:10
Total Recoverable	Prep	3005A			809702	S1Z	EET CHI	03/12/25 16:05 - 03/12/25 22:05 ¹
Total Recoverable	Analysis	6020B		1	810580	RN	EET CHI	03/19/25 15:29
Total Recoverable	Prep	3005A			809702	S1Z	EET CHI	03/12/25 16:05 - 03/12/25 22:05 ¹
Total Recoverable	Analysis	SM 2340B		1	810439	DAJ	EET CHI	03/19/25 10:54
Total/NA	Analysis	300.0		1	809644	MM	EET CHI	03/12/25 16:00
Total/NA	Analysis	300.0		1	809645	MM	EET CHI	03/12/25 16:00
Total/NA	Prep	Distill/CN			809680	AC	EET CHI	03/12/25 14:20 - 03/12/25 14:50 ¹
Total/NA	Analysis	335.4		1	809708	AC	EET CHI	03/12/25 16:11
Total/NA	Prep	Distill/Ammonia			811174	EB	EET CHI	03/25/25 13:51 - 03/25/25 14:51 ¹
Total/NA	Analysis	350.1		1	811332	EB	EET CHI	03/26/25 12:15
Total/NA	Prep	365.2/365.3/365			809703	MF	EET CHI	03/13/25 07:45 - 03/13/25 11:45 ¹
Total/NA	Analysis	365.1		1	809870	KF	EET CHI	03/13/25 16:14
Total/NA	Analysis	SM 2320B		1	810684	AC	EET CHI	03/20/25 11:35
Total/NA	Analysis	SM 2520B		1	811476	AC	EET CHI	03/27/25 10:26
Total/NA	Analysis	SM 2540C		1	810028	CLB	EET CHI	03/16/25 23:29
Total/NA	Analysis	SM 2540D		1	809973	SO	EET CHI	03/14/25 13:39 - 03/14/25 13:42 ¹
Total/NA	Analysis	SM 4500 S2 F		1	810030	CLB	EET CHI	03/17/25 02:48 - 03/17/25 02:52 ¹
Dissolved	Analysis	SM 5310C		1	810702	TR	EET CHI	03/20/25 13:36
Total/NA	Analysis	SM 5310C		1	810987	TR	EET CHI	03/23/25 17:39

Client Sample ID: MW-35SB_20250310_FBLL

Lab Sample ID: 500-265072-6

Date Collected: 03/10/25 11:30

Matrix: Water

Date Received: 03/12/25 10:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	1631E		1	5876	CL	EET SSM	03/28/25 16:26

Lab Chronicle

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-265072-1

Client Sample ID: FB-01-GW_20250310

Lab Sample ID: 500-265072-7

Date Collected: 03/10/25 12:30
Matrix: Water
Date Received: 03/12/25 10:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	1630			5875	AJD	EET SSM	03/31/25 11:40
Total/NA	Analysis	1630		1	5914	CL	EET SSM	03/31/25 19:35
Total/NA	Analysis	1631E		1	5876	CL	EET SSM	03/28/25 16:30
Total Recoverable	Prep	1638			5899	COW	EET SSM	03/31/25 18:15
Total Recoverable	Analysis	1638		1	5943	V1R	EET SSM	04/01/25 13:43
Total Recoverable	Prep	3005A			810213	BDE	EET CHI	03/18/25 08:06 - 03/18/25 14:06 [1]
Total Recoverable	Analysis	6020B		1	811548	S1Z	EET CHI	03/27/25 11:05
Total Recoverable	Prep	3005A			810213	BDE	EET CHI	03/18/25 08:06 - 03/18/25 14:06 [1]
Total Recoverable	Analysis	6020B		1	810733	RN	EET CHI	03/20/25 19:51
Total Recoverable	Prep	3005A			810213	BDE	EET CHI	03/18/25 08:06 - 03/18/25 14:06 [1]
Total Recoverable	Analysis	SM 2340B		1	810752	DAJ	EET CHI	03/21/25 08:50
Total/NA	Analysis	300.0		1	809644	MM	EET CHI	03/12/25 15:14
Total/NA	Analysis	300.0		1	809645	MM	EET CHI	03/12/25 15:14
Total/NA	Prep	Distill/CN			809680	AC	EET CHI	03/12/25 14:20 - 03/12/25 14:50 [1]
Total/NA	Analysis	335.4		1	809708	AC	EET CHI	03/12/25 16:11
Total/NA	Prep	Distill/Ammonia			811174	EB	EET CHI	03/25/25 13:51 - 03/25/25 14:51 [1]
Total/NA	Analysis	350.1		1	811332	EB	EET CHI	03/26/25 12:16
Total/NA	Prep	365.2/365.3/365			809703	MF	EET CHI	03/13/25 07:45 - 03/13/25 11:45 [1]
Total/NA	Analysis	365.1		1	809870	KF	EET CHI	03/13/25 16:15
Total/NA	Analysis	SM 2320B		1	810684	AC	EET CHI	03/20/25 11:45
Total/NA	Analysis	SM 2520B		1	811476	AC	EET CHI	03/27/25 10:26
Total/NA	Analysis	SM 2540C		1	810028	CLB	EET CHI	03/16/25 23:32
Total/NA	Analysis	SM 2540D		1	809973	SO	EET CHI	03/14/25 13:42 - 03/14/25 13:44 [1]
Total/NA	Analysis	SM 4500 S2 F		1	810030	CLB	EET CHI	03/17/25 02:52 - 03/17/25 02:56 [1]
Total/NA	Analysis	SM 5310C		1	810987	TR	EET CHI	03/23/25 18:11

Client Sample ID: FB-01-GW_20250310_FBLL

Lab Sample ID: 500-265072-8

Date Collected: 03/10/25 12:30
Matrix: Water
Date Received: 03/12/25 10:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	1631E		1	5876	CL	EET SSM	03/28/25 16:34

Client Sample ID: MLR-01_20250310

Lab Sample ID: 500-265072-9

Date Collected: 03/10/25 17:20
Matrix: Water
Date Received: 03/12/25 10:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	1630			5875	AJD	EET SSM	03/31/25 11:40
Dissolved	Analysis	1630		1	5914	CL	EET SSM	03/31/25 19:56
Total/NA	Prep	1630			5875	AJD	EET SSM	03/31/25 11:40
Total/NA	Analysis	1630		1	5914	CL	EET SSM	03/31/25 19:45
Dissolved	Analysis	1631E		1	5876	CL	EET SSM	03/28/25 17:40
Total/NA	Analysis	1631E		1	5876	CL	EET SSM	03/28/25 16:38

Client Sample ID: MLR-01_20250310

Lab Sample ID: 500-265072-9

Date Collected: 03/10/25 17:20

Matrix: Water

Date Received: 03/12/25 10:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	1638			5899	COW	EET SSM	03/31/25 18:15
Dissolved	Analysis	1638		1	5943	V1R	EET SSM	04/01/25 13:59
Total Recoverable	Prep	1638			5899	COW	EET SSM	03/31/25 18:15
Total Recoverable	Analysis	1638		1	5943	V1R	EET SSM	04/01/25 13:55
Dissolved	Prep	3005A			809748	BDE	EET CHI	03/13/25 08:23 - 03/13/25 14:23 [1]
Dissolved	Analysis	6020B		1	810573	RN	EET CHI	03/19/25 16:22
Dissolved	Prep	3005A			809748	BDE	EET CHI	03/13/25 08:23 - 03/13/25 14:23 [1]
Dissolved	Analysis	6020B		1	810729	RN	EET CHI	03/20/25 16:25
Total Recoverable	Prep	3005A			809748	BDE	EET CHI	03/13/25 08:23 - 03/13/25 14:23 [1]
Total Recoverable	Analysis	6020B		1	810573	RN	EET CHI	03/19/25 16:10
Total Recoverable	Prep	3005A			809748	BDE	EET CHI	03/13/25 08:23 - 03/13/25 14:23 [1]
Total Recoverable	Analysis	6020B		1	810729	RN	EET CHI	03/20/25 16:13
Total Recoverable	Prep	3005A			809748	BDE	EET CHI	03/13/25 08:23 - 03/13/25 14:23 [1]
Total Recoverable	Analysis	SM 2340B		1	810752	DAJ	EET CHI	03/21/25 08:50
Total/NA	Analysis	300.0		1	809644	MM	EET CHI	03/12/25 13:58
Total/NA	Analysis	300.0		1	809645	MM	EET CHI	03/12/25 13:58
Total/NA	Prep	Distill/CN			809680	AC	EET CHI	03/12/25 14:20 - 03/12/25 14:50 [1]
Total/NA	Analysis	335.4		1	809708	AC	EET CHI	03/12/25 16:13
Total/NA	Prep	Distill/Ammonia			811174	EB	EET CHI	03/25/25 13:51 - 03/25/25 14:51 [1]
Total/NA	Analysis	350.1		1	811332	EB	EET CHI	03/26/25 12:17
Total/NA	Prep	365.2/365.3/365			809703	MF	EET CHI	03/13/25 07:45 - 03/13/25 11:45 [1]
Total/NA	Analysis	365.1		1	809870	KF	EET CHI	03/13/25 16:16
Total/NA	Analysis	SM 2320B		1	810684	AC	EET CHI	03/20/25 11:53
Total/NA	Analysis	SM 2520B		1	811476	AC	EET CHI	03/27/25 10:26
Total/NA	Analysis	SM 2540C		1	810028	CLB	EET CHI	03/16/25 23:34
Total/NA	Analysis	SM 2540D		1	809973	SO	EET CHI	03/14/25 13:47 - 03/14/25 13:49 [1]
Total/NA	Analysis	SM 4500 S2 F		1	810030	CLB	EET CHI	03/17/25 02:56 - 03/17/25 02:59 [1]
Dissolved	Analysis	SM 5310C		1	811081	TR	EET CHI	03/24/25 02:55
Total/NA	Analysis	SM 5310C		1	810987	TR	EET CHI	03/23/25 19:48

Client Sample ID: MLR-01_20250310_FBLL

Lab Sample ID: 500-265072-10

Date Collected: 03/10/25 17:20

Matrix: Water

Date Received: 03/12/25 10:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	1631E		1	5876	CL	EET SSM	03/28/25 16:42

Client Sample ID: MW-35_20250310

Lab Sample ID: 500-265072-11

Date Collected: 03/10/25 10:00

Matrix: Water

Date Received: 03/12/25 10:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	1630			5875	AJD	EET SSM	03/31/25 11:40
Dissolved	Analysis	1630		1	5914	CL	EET SSM	03/31/25 20:36

Lab Chronicle

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-265072-1

Client Sample ID: MW-35_20250310

Lab Sample ID: 500-265072-11

Date Collected: 03/10/25 10:00

Matrix: Water

Date Received: 03/12/25 10:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	1630			5875	AJD	EET SSM	03/31/25 11:40
Total/NA	Analysis	1630		1	5914	CL	EET SSM	03/31/25 20:26
Dissolved	Analysis	1631E		1	5876	CL	EET SSM	03/28/25 17:44
Total/NA	Analysis	1631E		1	5876	CL	EET SSM	03/28/25 16:46
Dissolved	Prep	1638			5901	CL	EET SSM	03/31/25 18:15
Dissolved	Analysis	1638		1	5943	V1R	EET SSM	04/01/25 15:53
Total Recoverable	Prep	1638			5901	CL	EET SSM	03/31/25 18:15
Total Recoverable	Analysis	1638		1	5943	V1R	EET SSM	04/01/25 15:41
Dissolved	Prep	3005A			809748	BDE	EET CHI	03/13/25 08:23 - 03/13/25 14:23 [1]
Dissolved	Analysis	6020B		1	810573	RN	EET CHI	03/19/25 16:27
Dissolved	Prep	3005A			809748	BDE	EET CHI	03/13/25 08:23 - 03/13/25 14:23 [1]
Dissolved	Analysis	6020B		1	810729	RN	EET CHI	03/20/25 16:30
Total Recoverable	Prep	3005A			809748	BDE	EET CHI	03/13/25 08:23 - 03/13/25 14:23 [1]
Total Recoverable	Analysis	6020B		1	810573	RN	EET CHI	03/19/25 16:25
Total Recoverable	Prep	3005A			809748	BDE	EET CHI	03/13/25 08:23 - 03/13/25 14:23 [1]
Total Recoverable	Analysis	6020B		1	810729	RN	EET CHI	03/20/25 16:27
Total Recoverable	Prep	3005A			809748	BDE	EET CHI	03/13/25 08:23 - 03/13/25 14:23 [1]
Total Recoverable	Analysis	SM 2340B		1	810752	DAJ	EET CHI	03/21/25 08:50
Total/NA	Analysis	300.0		1	809644	MM	EET CHI	03/12/25 14:59
Total/NA	Analysis	300.0		1	809645	MM	EET CHI	03/12/25 14:59
Total/NA	Prep	Distill/CN			809680	AC	EET CHI	03/12/25 14:20 - 03/12/25 14:50 [1]
Total/NA	Analysis	335.4		1	809708	AC	EET CHI	03/12/25 16:14
Total/NA	Prep	Distill/Ammonia			811174	EB	EET CHI	03/25/25 13:51 - 03/25/25 14:51 [1]
Total/NA	Analysis	350.1		1	811332	EB	EET CHI	03/26/25 12:17
Total/NA	Prep	365.2/365.3/365			809703	MF	EET CHI	03/13/25 07:45 - 03/13/25 11:45 [1]
Total/NA	Analysis	365.1		1	809870	KF	EET CHI	03/13/25 16:17
Total/NA	Analysis	SM 2320B		1	810684	AC	EET CHI	03/20/25 12:01
Total/NA	Analysis	SM 2520B		1	811476	AC	EET CHI	03/27/25 10:26
Total/NA	Analysis	SM 2540C		1	810028	CLB	EET CHI	03/16/25 23:37
Total/NA	Analysis	SM 2540D		1	809973	SO	EET CHI	03/14/25 13:49 - 03/14/25 13:52 [1]
Total/NA	Analysis	SM 4500 S2 F		1	810030	CLB	EET CHI	03/17/25 02:59 - 03/17/25 03:03 [1]
Dissolved	Analysis	SM 5310C		1	811081	TR	EET CHI	03/24/25 04:30
Total/NA	Analysis	SM 5310C		1	810987	TR	EET CHI	03/23/25 21:25

Client Sample ID: MW-35_20250310_FBLL

Lab Sample ID: 500-265072-12

Date Collected: 03/10/25 10:00

Matrix: Water

Date Received: 03/12/25 10:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	1631E		1	5876	CL	EET SSM	03/28/25 16:50

Client Sample ID: PNC-02_20250310

Lab Sample ID: 500-265072-13

Date Collected: 03/10/25 12:00

Matrix: Water

Date Received: 03/12/25 10:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	1630			5875	AJD	EET SSM	03/31/25 11:40
Dissolved	Analysis	1630		1	5914	CL	EET SSM	03/31/25 20:57
Total/NA	Prep	1630			5875	AJD	EET SSM	03/31/25 11:40
Total/NA	Analysis	1630		1	5914	CL	EET SSM	03/31/25 20:47
Dissolved	Analysis	1631E		1	5876	CL	EET SSM	03/28/25 17:57
Total/NA	Analysis	1631E		1	5876	CL	EET SSM	03/28/25 16:55
Dissolved	Prep	1638			5901	CL	EET SSM	03/31/25 18:15
Dissolved	Analysis	1638		1	5943	V1R	EET SSM	04/01/25 16:22
Total Recoverable	Prep	1638			5901	CL	EET SSM	03/31/25 18:15
Total Recoverable	Analysis	1638		1	5943	V1R	EET SSM	04/01/25 16:18
Dissolved	Prep	3005A			809748	BDE	EET CHI	03/13/25 08:23 - 03/13/25 14:23 [1]
Dissolved	Analysis	6020B		1	810573	RN	EET CHI	03/19/25 16:37
Dissolved	Prep	3005A			809748	BDE	EET CHI	03/13/25 08:23 - 03/13/25 14:23 [1]
Dissolved	Analysis	6020B		1	810729	RN	EET CHI	03/20/25 16:35
Total Recoverable	Prep	3005A			809748	BDE	EET CHI	03/13/25 08:23 - 03/13/25 14:23 [1]
Total Recoverable	Analysis	6020B		1	810573	RN	EET CHI	03/19/25 16:35
Total Recoverable	Prep	3005A			809748	BDE	EET CHI	03/13/25 08:23 - 03/13/25 14:23 [1]
Total Recoverable	Analysis	6020B		1	810729	RN	EET CHI	03/20/25 16:33
Total Recoverable	Prep	3005A			809748	BDE	EET CHI	03/13/25 08:23 - 03/13/25 14:23 [1]
Total Recoverable	Analysis	SM 2340B		1	810752	DAJ	EET CHI	03/21/25 08:50
Total/NA	Analysis	300.0		1	809644	MM	EET CHI	03/12/25 14:43
Total/NA	Analysis	300.0		1	809645	MM	EET CHI	03/12/25 14:43
Total/NA	Prep	Distill/CN			809680	AC	EET CHI	03/12/25 14:20 - 03/12/25 14:50 [1]
Total/NA	Analysis	335.4		1	809708	AC	EET CHI	03/12/25 16:16
Total/NA	Prep	Distill/Ammonia			811174	EB	EET CHI	03/25/25 13:51 - 03/25/25 14:51 [1]
Total/NA	Analysis	350.1		1	811332	EB	EET CHI	03/26/25 12:18
Total/NA	Prep	365.2/365.3/365			809703	MF	EET CHI	03/13/25 07:45 - 03/13/25 11:45 [1]
Total/NA	Analysis	365.1		1	809870	KF	EET CHI	03/13/25 16:18
Total/NA	Analysis	SM 2320B		1	810684	AC	EET CHI	03/20/25 12:12
Total/NA	Analysis	SM 2520B		1	811476	AC	EET CHI	03/27/25 10:26
Total/NA	Analysis	SM 2540C		1	810028	CLB	EET CHI	03/16/25 23:39
Total/NA	Analysis	SM 2540D		1	809973	SO	EET CHI	03/14/25 13:52 - 03/14/25 13:54 [1]
Total/NA	Analysis	SM 4500 S2 F		1	810030	CLB	EET CHI	03/17/25 03:03 - 03/17/25 03:07 [1]
Dissolved	Analysis	SM 5310C		1	811081	TR	EET CHI	03/24/25 05:02
Total/NA	Analysis	SM 5310C		1	810987	TR	EET CHI	03/23/25 21:57

Client Sample ID: PNC-02_20250310_FBLL

Lab Sample ID: 500-265072-14

Date Collected: 03/10/25 12:00

Matrix: Water

Date Received: 03/12/25 10:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	1631E		1	5876	CL	EET SSM	03/28/25 17:07

[1] This procedure uses a method stipulated length of time for the process. Both start and end times are displayed.

Lab Chronicle

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-265072-1

Laboratory References:

EET CHI = Eurofins Chicago, 18410 Crossing Drive, Suite E, Tinley Park, IL 60487, TEL (708)534-5200

EET SSM = Eurofins Seattle Specialty Metals, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

Accreditation/Certification Summary

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-265072-1

Laboratory: Eurofins Chicago

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Georgia	State	N/A	05-31-25
Georgia (DW)	State	939	05-31-25
Hawaii	State	NA	05-31-25
Illinois	NELAP	100201	05-31-25
Indiana	State	C-IL-02	05-31-25
Iowa	State	082	05-01-26
Kansas	NELAP	E-10161	10-31-25
Kentucky (UST)	State	AI # 108083	05-31-25
Kentucky (WW)	State	KY90023	12-31-24 *
Louisiana (All)	NELAP	02046	06-30-25
Mississippi	State	NA	05-31-25
North Carolina (WW/SW)	State	291	12-31-25
North Dakota	State	R-194	04-29-24 *
Oklahoma	State	8908	08-31-25
South Carolina	State	77001003	05-31-25
USDA	US Federal Programs	P330-18-00018	03-30-26
Wisconsin	State	399172840	08-31-25
Wyoming	State	8TMS-Q	05-31-25

Laboratory: Eurofins Seattle Specialty Metals

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	20-004	02-19-27
ANAB	Dept. of Defense ELAP	L2236	01-19-27
ANAB	Dept. of Energy	L2236.01	01-19-27
ANAB	ISO/IEC 17025	L2236	01-19-27
California	State	2954	07-07-25
Florida	NELAP	E87575	06-30-25
Louisiana (All)	NELAP	03073	06-30-25
Maine	State	WA01273	05-02-26
New Jersey	NELAP	WA014	06-30-25
New York	NELAP	11662	04-01-25
Oregon	NELAP	4167-008	07-07-25
US Fish & Wildlife	US Federal Programs	A20571	06-30-25
USDA	US Federal Programs	525-23-4-22573	01-04-26
Washington	State	C788-23a	07-13-25
Wisconsin	State	399133460	07-31-25

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Eurofins Chicago
18410 Crossing Drive, Suite E
Tinley Park, IL 60487
Phone (708) 534-5200 Phone (262) 202-5955

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Jacob Dekan	Lab PM: Fredrick, Sandie	Carrier Tracking No(s): 437605685403	COC No: 500-133049-50241 20
Client Contact: Amanda Zeidler	Phone: 906-487-7454	E-Mail: Sandra Fredrick@et eurofinsus com	State of Origin: Michigan	Page: Page 1 of 1
Company: White Pine Copper LLC	PWSID:			Job #: 500-265072
Address: 35362 Mall Circle Drive	Due Date Requested:			
City: White Pine	TAT Requested (days): 10 days			
State, Zip: MI, 49971	Compliance Project: Δ Yes Δ No			
Phone: 906-204-6500	PO #: Purchase Order not required			
Email: AZeidler@whitepinecu com	WO #:			
Project Name: White Pines, MI	Project #: 50023455			
Site: White Pine North Baseline Sampling	SSOW#:			

Analysis Requested

Preservation Codes:
S H2SO4
N None
CB ZnAcetate/NaOH
B NaOH
D H
A H

500-265072 COC

Other:

	Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	350.1 Ammonia, 365.1 Phos	2320B, 2540C, 2540D, 300.0_28D, 300_48HR, SM2520_B	SM4500_S2_F - Sulfide, Total	335.4 - Cyanide, Total	SM5310_DOC_C - Organic Carbon, Dissolved (DOC) - tripli	6020B, SM2340B Total Metals / Hardness	1638 - Uranium only (ICP/MS)	1631E - Mercury, Low Level (CVAFS)	1630_ME - Methyl Mercury	6020B - Dissolved Metals (ICP/MS) - 27 elements	1638 - Dissolved Uranium only (ICP/MS) (field filtered)	1631E - Dissolved Mercury, Low Level (CVAFS) (filtered)	1630_ME - Dissolved Methyl Mercury (field filtered)	5310C - TOC	Total Number of containers	Special Instructions/Note:
				Preservation Code:				S	N	CB	B	S	D	D	N	A	D	D	N	A	S		
1	PNC-02_20250310	3-10 25	1630	G	Water	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	22	PNC-03_20250310
2	PNC-02_20250310-FBLL	3 10-25	16 30	G	Water										X							2	PNC-03_20250310-FBLL
3	MW-55B_20250310	3-10 25	15:30	G	Water	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	22	
4	MW-55B-20250310_FBLL	3-10 25	15:30	G	Water										X							2	
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested I, ☒ II, III, IV, Other (specify)

Special Instructions/QC Requirements MDLs must meet Michigan requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment: FedEx Priority Overnight

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1	[signature]	3/11/25 0900	MSG	[signature]	3/11/25 0900	MSG
2	[signature]	3/11/25 1500	MSG	437605685403	3/11/25 1500	FedEx
3				Stephanie Hamandley	3/12/25 1005	FEIA

Custody Seals Intact: Δ Yes Δ No | Custody Seal No

Cooler Temperature(s) °C and Other Remarks: 5.5+5.4, 5.9+5.8, 5.4+5.3, 1.9+1.6

Eurofins Chicago
18410 Crossing Drive, Suite E
Tinley Park, IL 60487
Phone (708) 534-5200 Phone (262) 202-5955

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Jacob Dean	Lab PM: Fredrick, Sandie	Carrier Tracking No(s): 437605685377	COC No: 500-133049-50241 22
Client Contact: Amanda Zeidler	Phone: 906-487-7454	E-Mail: Sandra Fredrick@et.eurofinsus com	State of Origin: Michigan	Page: Page 1 of 1
Company: White Pine Copper LLC	PWSID:			Job #: 500-265072
Address: 35362 Mall Circle Drive	Due Date Requested:			
City: White Pine	TAT Requested (days): 10 days			
State, Zip: MI, 49971	Compliance Project: Δ Yes Δ No			
Phone: 906-204-6500	PO #: Purchase Order not required			
Email: AZeidler@whitepinecu com	WO #:			
Project Name: White Pines, MI	Project #: 50023455			
Site: White Pine North Baseline Sampling	SSOW#:			

Analysis Requested

Preservation Codes:
S H2SO4
N None
CB ZnAcetate/NaOH
B NaOH
D - HNO3
A - HCL
Other:

	Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	350.1 Ammonia, 365.1 Phos	2320B, 2540C, 2540D, 300.0_28D, 300_48HR, SM2520_B	SM4500_S2_F - Sulfide, Total	335.4 - Cyanide, Total	SM5310_DOC_C - Organic Carbon, Dissolved (DOC) - tripli	6020B, SM2340B Total Metals / Hardness	1638 - Uranium only (ICP/MS)	1631E - Mercury, Low Level (CVAFS)	1630_ME - Methyl Mercury	6020B - Dissolved Metals (ICP/MS) - 27 elements	1638 - Dissolved Uranium only (ICP/MS) (field filtered)	1631E - Dissolved Mercury, Low Level (CVAFS) (filtered)	1630_ME - Dissolved Methyl Mercury (field filtered)	5310C - TOC	Total Number of containers	Special Instructions/Note:
				Preservation Code:				S	N	CB	B	S	D	D	N	A	D	D	N	A	S		
5	MW-35SB_20250310	3-10-25	11:30	G	Water	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	22	
6	MW-35SB-20250310_FBLL	3-10-25	11:30	G	Water										X							2	
7	FB-01-GW_20250310	3-10-25	12:30	G	Water			X	X	X	X		X	X	X	X					X	14	
8	FB-01-GW_20250310-FBLL	3-10-25	12:30	G	Water										X							2	
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested I, [II], III, IV, Other (specify)

Special Instructions/QC Requirements MDLs must meet Michigan requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment: Fedex Priority Overnight

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1	Jacob Dean	3/10/25 1400	MSG	Elliott	3/10/25 1400	MSG
2	Elliott	3/11/25 1500	MSG	437605685377	3/11/25 1500	Fedex
3		Date/Time:	Company	Stephanie Hernandez	3/12/25 1005	EETA

Custody Seals Intact. Δ Yes Δ No | Custody Seal No | Cooler Temperature(s) °C and Other Remarks:

Eurofins Chicago
18410 Crossing Drive, Suite E
Tinley Park, IL 60487
Phone (708) 534-5200 Phone (262) 202-5955

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Ellen Coppernoll	Lab PM: Fredrick, Sandie	Carrier Tracking No(s): 4376 0568 5399	COC No: 500-133049-50241 21
Client Contact: Amanda Zeidler	Phone: 517 513 2249	E-Mail: Sandra Fredrick@et eurofinsus com	State of Origin: Michigan	Page: Page 1 of 1
Company: White Pine Copper LLC	PWSID:			Job #: 500-205072
Address: 35362 Mall Circle Drive	Due Date Requested:			
City: White Pine	TAT Requested (days): 10 days			
State, Zip: MI, 49971	Compliance Project: Δ Yes Δ No			
Phone: 906-204-6500	PO #: Purchase Order not required			
Email: AZeidler@whitepinecu com	WO #:			
Project Name: White Pines, MI	Project #: 50023455			
Site: White Pine North Baseline Sampling	SSOW#:			

Analysis Requested

Preservation Codes:
S - H2SO4
N - None
CB - ZnAcetate/NaOH
B NaOH
D HNO3
A HCL
Other:

	Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	350.1 Ammonia, 365.1 Phos	2320B, 2540C, 2540D, 300.0_28D, 300_48HR, SM2520_B	SM4500_S2_F - Sulfide, Total	335.4 - Cyanide, Total	SM5310_DOC_C - Organic Carbon, Dissolved (DOC) - tripli	6020B, SM2340B Total Metals / Hardness	1638 - Uranium only (ICP/MS)	1631E - Mercury, Low Level (CVAFS)	1630_ME - Methyl Mercury	6020B - Dissolved Metals (ICP/MS) - 27 elements	1638 - Dissolved Uranium only (ICP/MS) (field filtered)	1631E - Dissolved Mercury, Low Level (CVAFS) (filtered)	1630_ME - Dissolved Methyl Mercury (field filtered)	5310C - TOC	Total Number of containers	Special Instructions/Note:
				Preservation Code:				S	N	CB	B	S	D	D	N	A	D	D	N	A	S		
9	MLR-01_20250310	3/10/25	1720	G	Water			X	X	X	X	X	X	X	X	X	X	X	X	X	X	22	
10	MLR-01_20250310 SBLL	3/10/25	1720	G	Water										X							2	
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, [II], III, IV, Other (specify)

Special Instructions/QC Requirements: MDLs must meet Michigan requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment: Fedex Priority Overnight

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1	Ellen	3/11/25 1500	MSU	4376 0568 5399	3/12/25 1500	fedex
2	Relinquished by:	Date/Time	Company	Received by: Stephanie Hernandez	Date/Time: 3/12/25 1005	Company: EEA
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact. Δ Yes Δ No	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks

Eurofins Chicago
18410 Crossing Drive, Suite E
Tinley Park, IL 60487
Phone (708) 534-5200 Phone (262) 202-5955

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Ellen Coppernoll	Lab PM: Fredrick, Sandie	Carrier Tracking No(s): 437605685388	COC No: 500-133049-50241 11
Client Contact: Amanda Zeidler	Phone: 517-513 2249	E-Mail: Sandra Fredrick@et eurofinsus com	State of Origin: Michigan	Page: Page 1 of 1
Company: White Pine Copper LLC	PWSID:			Job #: 500-205072
Address: 35362 Mall Circle Drive	Due Date Requested:			
City: White Pine	TAT Requested (days): 10 days			
State, Zip: MI, 49971	Compliance Project: Δ Yes Δ No			
Phone: 906-204-6500	PO #: Purchase Order not required			
Email: AZeidler@whitepinecu com	WO #:			
Project Name: White Pines, MI	Project #: 50023455			
Site: White Pine North Baseline Sampling	SSOW#:			

Analysis Requested

Preservation Codes:
S H2SO4
N None
CB ZnAcetate/NaOH
B NaOH
D HNO3
A HCL
Other

	Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	350.1 Ammonia, 365.1 Phos	2320B, 2540C, 2540D, 300.0_28D, 300_48HR, SM2520_B	SM4500_S2_F - Sulfide, Total	335.4 - Cyanide, Total	SM5310_DOC_C - Organic Carbon, Dissolved (DOC) - tripli	6020B, SM2340B Total Metals / Hardness	1638 - Uranium only (ICP/MS)	1631E - Mercury, Low Level (CVAFS)	1630_ME - Methyl Mercury	6020B - Dissolved Metals (ICP/MS) - 27 elements	1638 - Dissolved Uranium only (ICP/MS) (field filtered)	1631E - Dissolved Mercury, Low Level (CVAFS) (filtered)	1630_ME - Dissolved Methyl Mercury (field filtered)	5310C - TOC	Total Number of containers	Special Instructions/Note:
				Preservation Code:				S	N	CB	B	S	D	D	N	A	D	D	N	A	S		
11	MW-35_20250310	3-10 25	1000	G	Water			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	22	
12	MW-35_20250310_FBLL	3-10-25	1000	G	Water										✓							2	
13	PNC-02_20250310	3-10-25	1200	G	Water			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	22	
14	PNC-02_20250310_FBLL	3-10-25	1200	G	Water										✓							2	
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		

Possible Hazard Identification
☒ *Non-Hazard* ☐ *Flammable* ☐ *Skin Irritant* ☐ *Poison B* ☐ *Unknown* ☐ *Radiological*

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☒ *Disposal By Lab* ☐ *Archive For _____ Months*

Deliverable Requested: I, ☒ II, III, IV, Other (specify)

Special Instructions/QC Requirements: MDLs must meet Michigan requirements.

Empty Kit Relinquished by	Date	Time	Method of Shipment: FedEx Priority overnight

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1	Ellen	3/11/25 1500	MSH	437605685388	3/11/25 1500	Fedex
2	Relinquished by:	Date/Time:	Company	Received by: Stephanie Hernandez	Date/Time: 3/12/25 1005	Company EFIA
3	Relinquished by:	Date/Time	Company	Received by:	Date/Time:	Company

Custody Seals Intact. Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks

Eurofins Chicago
18410 Crossing Drive, Suite E
Tinley Park, IL 60487
Phone (708) 534-5200 Phone (262) 202-5955

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Jacob Dekam	Lab PM: Fredrick, Sandie	Carrier Tracking No(s): 437605685403	COC No: 500-133049-50241 20
Client Contact: Amanda Zeidler	Phone: 906-487-7454	E-Mail: Sandra Fredrick@et eurofinsus com	State of Origin: Michigan	Page: Page 1 of 1
Company: White Pine Copper LLC	PWSID:			Job #: 500-265072
Address: 35362 Mall Circle Drive	Due Date Requested:			
City: White Pine	TAT Requested (days): 10 days			
State, Zip: MI, 49971	Compliance Project: Δ Yes Δ No			
Phone: 906-204-6500	PO #: Purchase Order not required			
Email: AZeidler@whitepinecu com	WO #:			
Project Name: White Pines, MI	Project #: 50023455			
Site: White Pine North Baseline Sampling	SSOW#:			

Analysis Requested

Preservation Codes:
S H2SO4
N None
CB ZnAcetate/NaOH
B NaOH
D H
A H

500-265072 COC

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	350.1 Ammonia, 365.1 Phos	2320B, 2540C, 2540D, 300.0_28D, 300_48HR, SM2520_B	SM4500_S2_F - Sulfide, Total	335.4 - Cyanide, Total	SM5310_DOC_C - Organic Carbon, Dissolved (DOC) - tripli	6020B, SM2340B Total Metals / Hardness	1638 - Uranium only (ICP/MS)	1631E - Mercury, Low Level (CVAFS)	1630_ME - Methyl Mercury	6020B - Dissolved Metals (ICP/MS) - 27 elements	1638 - Dissolved Uranium only (ICP/MS) (field filtered)	1631E - Dissolved Mercury, Low Level (CVAFS) (filtered)	1630_ME - Dissolved Methyl Mercury (field filtered)	5310C - TOC	Total Number of containers	Special Instructions/Note:
			Preservation Code:				S	N	CB	B	S	D	D	N	A	D	D	N	A	S		
1 PNC-02_20250310	3-10 25	16:30	G	Water	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	22	PNC-03_20250310
2 PNC-02_20250310-FBLL	3 10-25	16 30	G	Water										X							2	PNC-03_20250310-FBLL
3 MW-55B_20250310	3-10 25	15:30	G	Water	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	22	
4 MW-55B-20250310_FBLL	3-10 25	15:30	G	Water										X							2	
				Water																		
				Water																		
				Water																		
				Water																		
				Water																		
				Water																		
				Water																		

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested I, ☒ II, III, IV, Other (specify)

Special Instructions/QC Requirements MDLs must meet Michigan requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment: FedEx Priority Overnight

Relinquished by:	Date/Time: 3/11/25 0900	Company: MSG	Received by:	Date/Time: 3/11/25 0900	Company: MSG
Relinquished by:	Date/Time: 3/11/25 1500	Company: MSG	Received by: 437605685403	Date/Time: 3/11/25 1500	Company: Fedex
Relinquished by:	Date/Time:	Company	Received by: Stephanie Hamandley	Date/Time: 3/12/25 1005	Company: FEIA

Custody Seals Intact Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks: 5.5+5.4, 5.9+5.8, 5.4+5.3, 1.9+1.6

Eurofins Chicago
18410 Crossing Drive, Suite E
Tinley Park, IL 60487
Phone (708) 534-5200 Phone (262) 202-5955

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: JACOB DEAN	Lab PM: Fredrick, Sandie	Carrier Tracking No(s): 437605685377	COC No: 500-133049-50241 22
Client Contact: Amanda Zeidler	Phone: 906-487-7454	E-Mail: Sandra Fredrick@et.eurofinsus com	State of Origin: Michigan	Page: Page 1 of 1
Company: White Pine Copper LLC	PWSID:			Job #: 500-265072
Address: 35362 Mall Circle Drive	Due Date Requested:			
City: White Pine	TAT Requested (days): 10 days			
State, Zip: MI, 49971	Compliance Project: Δ Yes Δ No			
Phone: 906-204-6500	PO #: Purchase Order not required			
Email: AZeidler@whitepinecu com	WO #:			
Project Name: White Pines, MI	Project #: 50023455			
Site: White Pine North Baseline Sampling	SSOW#:			

Analysis Requested

Preservation Codes.
S H2SO4
N None
CB ZnAcetate/NaOH
B NaOH
D - HNO3
A - HCL
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	350.1 Ammonia, 365.1 Phos	2320B, 2540C, 2540D, 300.0_28D, 300_48HR, SM2520_B	SM4500_S2_F - Sulfide, Total	335.4 - Cyanide, Total	SM5310_DOC_C - Organic Carbon, Dissolved (DOC) - tripli	6020B, SM2340B Total Metals / Hardness	1638 - Uranium only (ICP/MS)	1631E - Mercury, Low Level (CVAFS)	1630_ME - Methyl Mercury	6020B - Dissolved Metals (ICP/MS) - 27 elements	1638 - Dissolved Uranium only (ICP/MS) (field filtered)	1631E - Dissolved Mercury, Low Level (CVAFS) (filtered)	1630_ME - Dissolved Methyl Mercury (field filtered)	5310C - TOC	Total Number of containers	Special Instructions/Note:
			Preservation Code:				S	N	CB	B	S	D	D	N	A	D	D	N	A	S		
5 MW-35SB_20250310	3-10-25	11:30	G	Water	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	22	
6 MW-35SB-20250310_FBLL	3-10-25	11:30	G	Water										X							2	
7 FB-01-GW_20250310	3-10-25	12:30	G	Water			X	X	X	X		X	X	X	X					X	14	
8 FB-01-GW_20250310-FBLL	3-10-25	12:30	G	Water										X							2	
				Water																		
				Water																		
				Water																		
				Water																		
				Water																		
				Water																		
				Water																		

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested I, II, III, IV, Other (specify)

Special Instructions/QC Requirements MDLs must meet Michigan requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment: Fedex Priority Overnight

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1	Jacob Dean	3/10/25 1400	MSG	Elliott	3/10/25 1400	MSG
2	Elliott	3/11/25 1500	MSG	437605685377	3/11/25 1500	Fedex
3		Date/Time:	Company	Stephanie Hernandez	3/12/25 1005	EETA

Custody Seals Intact. Δ Yes Δ No | Custody Seal No | Cooler Temperature(s) °C and Other Remarks:

Eurofins Chicago
18410 Crossing Drive, Suite E
Tinley Park, IL 60487
Phone (708) 534-5200 Phone (262) 202-5955

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Ellen Coppernoll	Lab PM: Fredrick, Sandie	Carrier Tracking No(s): 4376 0568 5399	COC No: 500-133049-50241 21
Client Contact: Amanda Zeidler	Phone: 517 513 2249	E-Mail: Sandra Fredrick@et eurofinsus com	State of Origin: Michigan	Page: Page 1 of 1
Company: White Pine Copper LLC	PWSID:			Job #: 500-205072
Address: 35362 Mall Circle Drive	Due Date Requested:			
City: White Pine	TAT Requested (days): 10 days			
State, Zip: MI, 49971	Compliance Project: Δ Yes Δ No			
Phone: 906-204-6500	PO #: Purchase Order not required			
Email: AZeidler@whitepinecu com	WO #:			
Project Name: White Pines, MI	Project #: 50023455			
Site: White Pine North Baseline Sampling	SSOW#:			

Analysis Requested

Preservation Codes:
S - H2SO4
N - None
CB - ZnAcetate/NaOH
B NaOH
D HNO3
A HCL
Other:

	Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	350.1 Ammonia, 365.1 Phos	2320B, 2540C, 2540D, 300.0_28D, 300_48HR, SM2520_B	SM4500_S2_F - Sulfide, Total	335.4 - Cyanide, Total	SM5310_DOC_C - Organic Carbon, Dissolved (DOC) - tripli	6020B, SM2340B Total Metals / Hardness	1638 - Uranium only (ICP/MS)	1631E - Mercury, Low Level (CVAFS)	1630_ME - Methyl Mercury	6020B - Dissolved Metals (ICP/MS) - 27 elements	1638 - Dissolved Uranium only (ICP/MS) (field filtered)	1631E - Dissolved Mercury, Low Level (CVAFS) (filtered)	1630_ME - Dissolved Methyl Mercury (field filtered)	5310C - TOC	Total Number of containers	Special Instructions/Note:
				Preservation Code:				S	N	CB	B	S	D	D	N	A	D	D	N	A	S		
9	MLR-01_20250310	3/10/25	1720	G	Water			X	X	X	X	X	X	X	X	X	X	X	X	X	X	22	
10	MLR-01_20250310 SBLL	3/10/25	1720	G	Water										X							2	
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, [II], III, IV, Other (specify)

Special Instructions/QC Requirements: MDLs must meet Michigan requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment: Fedex Priority Overnight

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1	Ellen	3/11/25 1500	MSU	4376 0568 5399	3/12/25 1500	fedex
2	Relinquished by:	Date/Time	Company	Received by: Stephanie Hernandez	Date/Time: 3/12/25 1005	Company: EEA
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

Eurofins Chicago
18410 Crossing Drive, Suite E
Tinley Park, IL 60487
Phone (708) 534-5200 Phone (262) 202-5955

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Ellen Coppernoll	Lab PM: Fredrick, Sandie	Carrier Tracking No(s): 437605685388	COC No: 500-133049-50241 11
Client Contact: Amanda Zeidler	Phone: 517-513 2249	E-Mail: Sandra Fredrick@et eurofinsus com	State of Origin: Michigan	Page: Page 1 of 1
Company: White Pine Copper LLC	PWSID:			Job #: 500-205072
Address: 35362 Mall Circle Drive	Due Date Requested:			
City: White Pine	TAT Requested (days): 10 days			
State, Zip: MI, 49971	Compliance Project: Δ Yes Δ No			
Phone: 906-204-6500	PO #: Purchase Order not required			
Email: AZeidler@whitepinecu com	WO #:			
Project Name: White Pines, MI	Project #: 50023455			
Site: White Pine North Baseline Sampling	SSOW#:			

Analysis Requested

Preservation Codes:
S H2SO4
N None
CB ZnAcetate/NaOH
B NaOH
D HNO3
A HCL
Other

	Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	350.1 Ammonia, 365.1 Phos	2320B, 2540C, 2540D, 300.0_28D, 300_48HR, SM2520_B	SM4500_S2_F - Sulfide, Total	335.4 - Cyanide, Total	SM5310_DOC_C - Organic Carbon, Dissolved (DOC) - tripli	6020B, SM2340B Total Metals / Hardness	1638 - Uranium only (ICP/MS)	1631E - Mercury, Low Level (CVAFS)	1630_ME - Methyl Mercury	6020B - Dissolved Metals (ICP/MS) - 27 elements	1638 - Dissolved Uranium only (ICP/MS) (field filtered)	1631E - Dissolved Mercury, Low Level (CVAFS) (filtered)	1630_ME - Dissolved Methyl Mercury (field filtered)	5310C - TOC	Total Number of containers	Special Instructions/Note:
				Preservation Code:				S	N	CB	B	S	D	D	N	A	D	D	N	A	S		
11	MW-35_20250310	3-10 25	1000	G	Water			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	22	
12	MW-35_20250310_FBLL	3-10-25	1000	G	Water										✓							2	
13	PNC-02_20250310	3-10-25	1200	G	Water			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	22	
14	PNC-02_20250310_FBLL	3-10-25	1200	G	Water										✓							2	
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		

Possible Hazard Identification
☒ *Non-Hazard* ☐ *Flammable* ☐ *Skin Irritant* ☐ *Poison B* ☐ *Unknown* ☐ *Radiological*

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☒ *Disposal By Lab* ☐ *Archive For _____ Months*

Deliverable Requested: I, ☒ II, III, IV, Other (specify)

Special Instructions/QC Requirements: MDLs must meet Michigan requirements.

Empty Kit Relinquished by	Date	Time	Method of Shipment: FedEx Priority overnight

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1	Ellen	3/11/25 1500	MSH	437605685388	3/11/25 1500	Fedex
2	Relinquished by:	Date/Time:	Company	Received by: Stephanie Hernandez	Date/Time: 3/12/25 1005	Company EEA
3	Relinquished by:	Date/Time	Company	Received by:	Date/Time:	Company

Custody Seals Intact. Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks

JED CHRISTENSEN
THE MANNIK & SMITH GROUP
616 SHELDEN AVE
SUITE 210
HOUGHTON, MI 49931
UNITED STATES US

CAD: 0780307/CAFE3855

TO SAMPLE RECIEPT
EUROFINS
18410 CROSSING DRIVE
SUITE E
TINLEY PARK IL 60487
(262) 202-5955
INV:
PO:
REF:
DEPT

RMA

FedEx Express

TRK# 0221 4376 0568 5399

WED - 12 MAR AA
PRIORITY OVERNIGHT

XP JOTA

60487
IL-US
ORD

547 11Mar2025 CMXA 581G3/5027/5FE5

THE MANNIK & SMITH GROUP
616 SHELDEN AVE
SUITE 210
HOUGHTON, MI 49931
UNITED STATES US

CAD: 0780307/CAFE3855

TO SAMPLE RECIEPT
EUROFINS
18410 CROSSING DRIVE
SUITE E
TINLEY PARK IL 60487
(262) 202-5955
INV:
PO:
REF:
DEPT

RMA:

FedEx Express

FedEx
TRK# 0221 4376 0568 5403

WED - 12 MAR AA
PRIORITY OVERNIGHT

XP JOTA

60487
IL-US
ORD



SEB CARESTENSEN
THE MANNIK & SMITH GROUP
616 SHELDEN AVE
SUITE 210
HOUGHTON, MI 49931
UNITED STATES US

CAD: 0780307/CAFE3855

TO SAMPLE RECIEPT
EUROFINS
18410 CROSSING DRIVE
SUITE E
TINLEY PARK IL 60487

(262) 202-5955 REF:
INV:
PO: DEPT

RMA

FedEx Express

FedEx
TRK# 0221 4376 0568 5388

WED - 12 MAR AA
PRIORITY OVERNIGHT

XP JOTA

60487
IL-US
ORD

5025547 11Mar2025 CMXA 581G3/5027/5FE5



SEB CARESTENSEN
THE MANNIK & SMITH GROUP
616 SHELDEN AVE
SUITE 210
HOUGHTON, MI 49931
UNITED STATES US

CAD: 0780307/CAFE3855

TO SAMPLE RECIEPT
EUROFINS
18410 CROSSING DRIVE
SUITE E
TINLEY PARK IL 60487

(262) 202-5955 REF:
INV:
PO: DEPT

RMA

FedEx Express

FedEx
TRK# 0221 4376 0568 5377

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PRIORITY OVERNIGHT

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IL-US
ORD

5025547 11Mar2025 CMXA 581G3/5027/5FE5


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60487
IL-US
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5025547 11Mar2025 CMXA 581G3/5027/5FE5

Eurofins Chicago
18410 Crossing Drive Suite E
Tinley Park, IL 60487
Phone: 708-534-5200 Fax: 708-534-5211

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Fredrick, Sandie	Carrier Tracking No(s): N/A	COC No: 500-199194.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Sandra.Fredrick@et.eurofinsus.com	State of Origin: Michigan	Page: Page 1 of 2
Company: Eurofins Environment Testing Northwest,		Accreditations Required (See note): N/A		Job #: 500-265072-1
Address: 5755 8th Street East, ,	Due Date Requested: 4/1/2025			Preservation Codes:
City: Tacoma	TAT Requested (days): N/A			
State, Zip: WA, 98424				
Phone: 253-922-2310(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: White Pines, MI	Project #: 50023455			
Site: N/A	SSOW#: N/A			

Therm. ID: SC0 4 Cust. Seal: (Y) / N
Uncorr./Corr. Temp: 15.2 / 15.0 °C
Delivery: UPS / FedEx / Other: ____
Ice Type: Blue / Dry / Wet / None
Label Ver.: E Packing: 5

Therm. ID: SC0 3 Cust. Seal: Y / N
Uncorr./Corr. Temp: 1.7 / 1.6 °C
Delivery: UPS / FedEx / Other: ____
Ice Type: Blue / Dry / Wet / None
Label Ver.: E Packing: B

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	1638/1638_Prep_W Uranium only (ICP/MS)	1631E/ Mercury, Low Level (CVAFS)	1630_ME/1630_Dist_PFP Methyl Mercury	1638/FIELD_FLTRD Dissolved Uranium only (ICP/MS) (field f	1631E/FIELD_FLTRD Dissolved Mercury, Low Level (CVAFS) (fi	1630_ME/FIELD_FLTRD Dissolved Methyl Mercury (field filtered	Total Number of containers	Special Instructions/Note:
			Preservation Code:											
PNC-03_20250310 (500-265072-1)	3/10/25	16:30 Eastern	G	Water			X	X	X	X	X	X	8	
PNC-03_20250310_FBLL (500-265072-2)	3/10/25	16:30 Eastern	G	Water				X					2	
MW-55B_20250310 (500-265072-3)	3/10/25	15:30 Eastern	G	Water			X	X	X	X	X	X	8	
MW-55B_20250310_FBLL (500-265072-4)	3/10/25	15:30 Eastern	G	Water				X					2	
MW-35SB_20250310 (500-265072-5)	3/10/25	11:30 Eastern	G	Water			X	X	X	X	X	X	8	
MW-35SB_20250310_FBLL (500-265072-6)	3/10/25	11:30 Eastern	G	Water				X					2	
FB-01-GW_20250310 (500-265072-7)	3/10/25	12:30 Eastern	G	Water			X	X	X				4	
FB-01-GW_20250310_FBLL (500-265072-8)	3/10/25	12:30 Eastern	G	Water				X					2	
MLR-01_20250310 (500-265072-9)	3/10/25	17:20 Eastern	G	Water			X	X	X	X	X	X	8	

Note: Since laboratory accreditations are subject to change, Eurofins Chicago places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Chicago laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Chicago attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Chicago.

Possible Hazard Identification: Unconfirmed 4468 9404 1580	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month): ☐ Return To Client ☐ Disposal By Lab ☐ Archive For ____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Stephanie Hernandez	3/12/25 1100	EETA		3/13/25 9:40	
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 10/10/2024

Eurofins Chicago
18410 Crossing Drive Suite E
Tinley Park, IL 60487
Phone: 708-534-5200 Fax: 708-534-5211

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Fredrick, Sandie	Carrier Tracking No(s): N/A	COC No: 500-199194.2
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Sandra.Fredrick@et.eurofinsus.com	State of Origin: Michigan	Page: Page 2 of 2
Company: Eurofins Environment Testing Northwest,		Accreditations Required (See note): N/A		Job #: 500-265072-1
Address: 5755 8th Street East, ,	Due Date Requested: 4/1/2025			Preservation Codes: -
City: Tacoma	TAT Requested (days): N/A			
State, Zip: WA, 98424				
Phone: 253-922-2310(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: White Pines, MI	Project #: 50023455			
Site: N/A	SSOW#: N/A			Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	1638/1638_Prep_W Uranium only (ICP/MS)	1631E/ Mercury, Low Level (CVAFS)	1630_ME/1630_Dist_PFP Methyl Mercury	1638/FIELD_FLTRD Dissolved Uranium only (ICP/MS) (field f	1631E/FIELD_FLTRD Dissolved Mercury, Low Level (CVAFS) (fi	1630_ME/FIELD_FLTRD Dissolved Methyl Mercury (field filtered	Total Number of containers	Special Instructions/Note:
			Preservation Code:											
MLR-01_20250310_FBLL (500-265072-10)	3/10/25	17:20 Eastern	G	Water				X					2	
MW-35_20250310 (500-265072-11)	3/10/25	10:00 Eastern	G	Water			X	X	X	X	X	X	8	
MW-35_20250310_FBLL (500-265072-12)	3/10/25	10:00 Eastern	G	Water				X					2	
PNC-02_20250310 (500-265072-13)	3/10/25	12:00 Eastern	G	Water			X	X	X	X	X	X	8	
PNC-02_20250310_FBLL (500-265072-14)	3/10/25	12:00 Eastern	G	Water				X					2	

Note: Since laboratory accreditations are subject to change, Eurofins Chicago places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Chicago laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Chicago attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Chicago.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Stephanie Hernandez	3/12/25 1600	EET		3/13/25 9:40	EET
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 10/10/2024

Eurofins Chicago
18410 Crossing Drive Suite E
Tinley Park, IL 60487
Phone: 708-534-5200 Fax: 708-534-5211

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Fredrick, Sandie	Carrier Tracking No(s): N/A	COC No: 500-199194.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Sandra.Fredrick@et.eurofinsus.com	State of Origin: Michigan	Page: Page 1 of 2
Company: Eurofins Environment Testing Northwest,		Accreditations Required (See note): N/A		Job #: 500-265072-1
Address: 5755 8th Street East, ,	Due Date Requested: 4/1/2025			Preservation Codes:
City: Tacoma	TAT Requested (days): N/A			
State, Zip: WA, 98424				
Phone: 253-922-2310(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: White Pines, MI	Project #: 50023455			
Site: N/A	SSOW#: N/A			

Therm. ID: SC0 4 Cust. Seal: (Y) / N
Uncorr./Corr. Temp: 15.2 / 15.0 °C
Delivery: UPS / FedEx / Other: ____
Ice Type: Blue / Dry / Wet / None
Label Ver.: E Packing: 5

Therm. ID: SC0 3 Cust. Seal: Y / N
Uncorr./Corr. Temp: 1.7 / 1.6 °C
Delivery: UPS / FedEx / Other: ____
Ice Type: Blue / Dry / Wet / None
Label Ver.: E Packing: B

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	1638/1638_Prep_W Uranium only (ICP/MS)	1631E/ Mercury, Low Level (CVAFS)	1630_ME/1630_Dist_PFP Methyl Mercury	1638/FIELD_FLTRD Dissolved Uranium only (ICP/MS) (field f	1631E/FIELD_FLTRD Dissolved Mercury, Low Level (CVAFS) (fi	1630_ME/FIELD_FLTRD Dissolved Methyl Mercury (field filtered							Total	Special Instructions/Note:
			Preservation Code:																	
PNC-03_20250310 (500-265072-1)	3/10/25	16:30 Eastern	G	Water			X	X	X	X	X	X							8	
PNC-03_20250310_FBLL (500-265072-2)	3/10/25	16:30 Eastern	G	Water				X											2	
MW-55B_20250310 (500-265072-3)	3/10/25	15:30 Eastern	G	Water			X	X	X	X	X	X							8	
MW-55B_20250310_FBLL (500-265072-4)	3/10/25	15:30 Eastern	G	Water				X											2	
MW-35SB_20250310 (500-265072-5)	3/10/25	11:30 Eastern	G	Water			X	X	X	X	X	X							8	
MW-35SB_20250310_FBLL (500-265072-6)	3/10/25	11:30 Eastern	G	Water				X											2	
FB-01-GW_20250310 (500-265072-7)	3/10/25	12:30 Eastern	G	Water			X	X	X										4	
FB-01-GW_20250310_FBLL (500-265072-8)	3/10/25	12:30 Eastern	G	Water				X											2	
MLR-01_20250310 (500-265072-9)	3/10/25	17:20 Eastern	G	Water			X	X	X	X	X	X							8	

Note: Since laboratory accreditations are subject to change, Eurofins Chicago places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Chicago laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Chicago attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Chicago.

Possible Hazard Identification *Unconfirmed* 4468 9404 1580	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*** ☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:		
Relinquished by: Stephanie Hernandez	Date/Time: 3/12/25 1100	Company EETA	Received by:	Date/Time: 3/13/25 9:40	Company EETN
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Eurofins Chicago
18410 Crossing Drive Suite E
Tinley Park, IL 60487
Phone: 708-534-5200 Fax: 708-534-5211

Chain of Custody Record

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Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Fredrick, Sandie	Carrier Tracking No(s): N/A	COC No: 500-199194.2
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Sandra.Fredrick@et.eurofinsus.com	State of Origin: Michigan	Page: Page 2 of 2
Company: Eurofins Environment Testing Northwest,		Accreditations Required (See note): N/A		Job #: 500-265072-1
Address: 5755 8th Street East, ,	Due Date Requested: 4/1/2025			Preservation Codes: -
City: Tacoma	TAT Requested (days): N/A			
State, Zip: WA, 98424				
Phone: 253-922-2310(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: White Pines, MI	Project #: 50023455			
Site: N/A	SSOW#: N/A			Other: N/A

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	1638/1638_Prep_W Uranium only (ICP/MS)	1631E/ Mercury, Low Level (CVAFS)	1630_ME/1630_Dist_PFP Methyl Mercury	1638/FIELD_FLTRD Dissolved Uranium only (ICP/MS) (field f	1631E/FIELD_FLTRD Dissolved Mercury, Low Level (CVAFS) (fi	1630_ME/FIELD_FLTRD Dissolved Methyl Mercury (field filtered	Total Number of containers	Special Instructions/Note:
			Preservation Code:											
MLR-01_20250310_FBLL (500-265072-10)	3/10/25	17:20 Eastern	G	Water				X					2	
MW-35_20250310 (500-265072-11)	3/10/25	10:00 Eastern	G	Water			X	X	X	X	X	X	8	
MW-35_20250310_FBLL (500-265072-12)	3/10/25	10:00 Eastern	G	Water				X					2	
PNC-02_20250310 (500-265072-13)	3/10/25	12:00 Eastern	G	Water			X	X	X	X	X	X	8	
PNC-02_20250310_FBLL (500-265072-14)	3/10/25	12:00 Eastern	G	Water				X					2	

Note: Since laboratory accreditations are subject to change, Eurofins Chicago places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Chicago laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Chicago attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Chicago.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Stephanie Hernandez	3/12/25 1600	EET		3/13/25 9:40	EET
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 10/10/2024

Login Sample Receipt Checklist

Client: White Pine Copper LLC

Job Number: 500-265072-1

Login Number: 265072
List Number: 1
Creator: Hernandez, Stephanie

List Source: Eurofins Chicago

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	5.4,5.8,5.3,1.6
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: White Pine Copper LLC

Job Number: 500-265072-1

Login Number: 265072
List Number: 2
Creator: Deebach, Andrew J

List Source: Eurofins Seattle Specialty Metals
List Creation: 03/13/25 04:36 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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Date:	3/13/2025
End Time:	1700
KI Paper Lot:	NA
Analyst:	[illegible]

Preservative ID	Preservative Type	Container ID
A	Bromine Monochloride (0.2N)	57368
ZZZZZZZZZZZZZZZ	ZZZZZZZZZZZZZZZZZZZZZZ	ZZZZZZZZZZ
ZZZZZZZZZZZZZZZ	ZZZZZZZZZZZZZZZZZZZZZZ	ZZZZZZZZZZ
ZZZZZZZZZZZZZZZ	ZZZZZZZZZZZZZZZZZZZZZZ	ZZZZZZZZZZ

Sample ID	Pres. Used (ID)	Oxidized (Y/N)?	Pres. Vol. (mL)/Percent (%)	Comments
500-265072-A-1	A	Y	0.8/2	
500-265072-B-1	A	Y	0.8/2	
500-265072-C-1	A	Y	0.8/2	
500-265072-D-1	A	Y	0.8/2	
500-265072-A-2	A	Y	0.8/2	
500-265072-B-2	A	Y	0.8/2	
500-265072-A-3	A	Y	0.8/2	
500-265072-B-3	A	Y	0.8/2	
500-265072-C-3	A	Y	0.8/2	
500-265072-D-3	A	Y	0.8/2	
500-265072-B-4	A	Y	0.8/2	
500-265072-A-4	A	Y	0.8/2	
500-265072-A-5	A	Y	0.8/2	[illegible]
500-265072-B-5	A	Y	0.8/2	3/13/25
500-265072-C-5	A	Y	0.8/2	
500-265072-D-5	A	Y	0.8/2	
500-265072-A-6	A	Y	0.8/2	
500-265072-B-6	A	Y	0.8/2	
500-265072-A-7	A	Y	0.8/2	
500-265072-B-7	A	Y	0.8/2	
500-265072-A-8	A	Y	0.8/2	
500-265072-B-8	A	Y	0.8/2	
500-265072-A-9	A	Y	0.8/2	
500-265072-B-9	A	Y	0.8/2	
500-265072-C-9	A	Y	0.8/2	
500-265072-D-9	A	Y	0.8/2	
500-265072-A-10	A	Y	0.8/2	
500-265072-B-10	A	Y	0.8/2	
500-265072-A-11	A	Y	0.8/2	
500-265072-B-11	A	Y	0.8/2	
500-265072-C-11	A	Y	0.8/2	
500-265072-D-11	A	Y	0.8/2	
500-265072-A-12	A	Y	0.8/2	
500-265072-B-12	A	Y	0.8/2	
500-265072-A-13	A	Y	0.8/2	

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Date:	3/13/2025
End Time:	1700
KI Paper Lot:	[redacted]
Analyst:	CAB

Preservative ID	Preservative Type	Container ID
A	Bromine Monochloride (0.2N)	57368
ZZZZZZZZZZZZZZZZ	ZZZZZZZZZZZZZZZZZZZZZZZZ	ZZZZZZZZZZ
ZZZZZZZZZZZZZZZZ	ZZZZZZZZZZZZZZZZZZZZZZZZ	ZZZZZZZZZZ
ZZZZZZZZZZZZZZZZ	ZZZZZZZZZZZZZZZZZZZZZZZZ	ZZZZZZZZZZ

Sample ID	Pres. Used (ID)	Oxidized (Y/N)?	Pres. Vol. (mL)/Percent (%)	Comments
500-265072-B-12	A	Y	0.8/2	
500-265072-A-13	A	Y	0.8/2	
500-265072-B-13	A	Y	0.8/2	CAB
500-265072-C-13	A	Y	0.8/2	3/13/25
500-265072-D-13	A	Y	0.8/2	
500-265072-A-14	A	Y	0.8/2	
500-265072-B-14	A	Y	0.8/2	

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Date:	3/13/2025
End Time:	1300
KI Paper Lot:	NA
Analyst:	DSR

Preservative ID	Preservative Type	Container ID
A	Bromine Monochloride (0.2N)	57368
ZZZZZZZZZZZZZZZZ	ZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZ	ZZZZZZZZZZ
ZZZZZZZZZZZZZZZZ	ZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZ	ZZZZZZZZZZ
ZZZZZZZZZZZZZZZZ	ZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZ	ZZZZZZZZZZ

Sample ID	Pres. Used (ID)	Oxidized (Y/N)?	Pres. Vol. (mL)/Percent (%)	Comments
500-265072-A-1	A	Y	0.8/2	
500-265072-B-1	A	Y	0.8/2	
500-265072-C-1	A	Y	0.8/2	
500-265072-D-1	A	Y	0.8/2	
500-265072-A-2	A	Y	0.8/2	
500-265072-B-2	A	Y	0.8/2	
500-265072-A-3	A	Y	0.8/2	
500-265072-B-3	A	Y	0.8/2	
500-265072-C-3	A	Y	0.8/2	
500-265072-D-3	A	Y	0.8/2	
500-265072-B-4	A	Y	0.8/2	
500-265072-A-4	A	Y	0.8/2	
500-265072-A-5	A	Y	0.8/2	OSR
500-265072-B-5	A	Y	0.8/2	3/13/25
500-265072-C-5	A	Y	0.8/2	
500-265072-D-5	A	Y	0.8/2	
500-265072-A-6	A	Y	0.8/2	
500-265072-B-6	A	Y	0.8/2	
500-265072-A-7	A	Y	0.8/2	
500-265072-B-7	A	Y	0.8/2	
500-265072-A-8	A	Y	0.8/2	
500-265072-B-8	A	Y	0.8/2	
500-265072-A-9	A	Y	0.8/2	
500-265072-B-9	A	Y	0.8/2	
500-265072-C-9	A	Y	0.8/2	
500-265072-D-9	A	Y	0.8/2	
500-265072-A-10	A	Y	0.8/2	
500-265072-B-10	A	Y	0.8/2	
500-265072-A-11	A	Y	0.8/2	
500-265072-B-11	A	Y	0.8/2	
500-265072-C-11	A	Y	0.8/2	
500-265072-D-11	A	Y	0.8/2	
500-265072-A-12	A	Y	0.8/2	
500-265072-B-12	A	Y	0.8/2	
500-265072-A-13	A	Y	0.8/2	

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Date:	3/13/2025
End Time:	1700
KI Paper Lot:	[redacted]
Analyst:	DB

Preservative ID	Preservative Type	Container ID
A	Bromine Monochloride (0.2N)	57368
ZZZZZZZZZZZZZZZZ	ZZZZZZZZZZZZZZZZZZZZZZZZ	ZZZZZZZZZZ
ZZZZZZZZZZZZZZZZ	ZZZZZZZZZZZZZZZZZZZZZZZZ	ZZZZZZZZZZ
ZZZZZZZZZZZZZZZZ	ZZZZZZZZZZZZZZZZZZZZZZZZ	ZZZZZZZZZZ

Sample ID	Pres. Used (ID)	Oxidized (Y/N)?	Pres. Vol. (mL)/Percent (%)	Comments
500-265072-B-12	A	Y	0.8/2	
500-265072-A-13	A	Y	0.8/2	
500-265072-B-13	A	Y	0.8/2	DB
500-265072-C-13	A	Y	0.8/2	3/13/25
500-265072-D-13	A	Y	0.8/2	
500-265072-A-14	A	Y	0.8/2	
500-265072-B-14	A	Y	0.8/2	

Date:	3/13/2025
End Time:	16:28
pH Paper Lot:	HC441704
Analyst:	DE

Preservative ID	Preservative Type	Container ID
A	Hydrochloric Acid	UA
zzzzzzzzzzzzzzz	zzzzzzzzzzzzzzzzzzzzzzz	zzzzzzzzzz
zzzzzzzzzzzzzzz	zzzzzzzzzzzzzzzzzzzzzzz	zzzzzzzzzz
zzzzzzzzzzzzzzz	zzzzzzzzzzzzzzzzzzzzzzz	zzzzzzzzzz

Sample ID	Initial pH	Final pH	Preservative ID	Preservative Added (mL)	Comments
500-265072-E-11	<2				
500-265072-F-3	<2				
500-265072-F-5	<2				
500-265072-E-7	<2				
500-265072-E-11	<2				
500-265072-E-3	<2				
500-265072-E-5	<2				
500-265072-F-13	<2				
500-265072-F-13	<2				
500-265072-E-13	<2				
500-265072-F-11	<2				
500-265072-F-9	<2				
500-265072-E-9	<2				

KB 3/13/25

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Date:	3/13/2025
End Time:	16:28
pH Paper Lot:	HC441704
Analyst:	KB

Preservative ID	Preservative Type	Container ID
A	Hydrochloric Acid	UA
ZZZZZZZZZZZZZZZZ	ZZZZZZZZZZZZZZZZZZZZZZZZ	ZZZZZZZZZZ
ZZZZZZZZZZZZZZZZ	ZZZZZZZZZZZZZZZZZZZZZZZZ	ZZZZZZZZZZ
ZZZZZZZZZZZZZZZZ	ZZZZZZZZZZZZZZZZZZZZZZZZ	ZZZZZZZZZZ

Sample ID	Initial pH	Final pH	Preservative ID	Preservative Added (mL)	Comments
500-265072-E-11	<2				
500-265072-F-3	<2				
500-265072-F-5	<2				
500-265072-E-7	<2				
500-265072-E-11	<2				
500-265072-E-3	<2				
500-265072-E-5	<2				
500-265072-F-13	<2				
500-265072-F-13	<2				
500-265072-E-13	<2				
500-265072-F-11	<2				
500-265072-F-9	<2				
500-265072-E-9	<2				

KB 3/13/25

ANALYTICAL REPORT

PREPARED FOR

Attn: Amanda Zeidler
White Pine Copper LLC
35362 Mall Circle Drive
White Pine, Michigan 49971

Generated 4/4/2025 8:41:42 AM

JOB DESCRIPTION

White Pines, MI

JOB NUMBER

500-265148-1

Eurofins Chicago
18410 Crossing Drive
Suite E
Tinley Park IL 60487

See page two for job notes and contact information.

my EOL

Job Notes

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. This report is confidential and is intended for the sole use of Eurofins Environment Testing North Central, LLC and its client. All questions regarding this report should be directed to the Eurofins Environment Testing North Central, LLC Project Manager who has signed this report.

Results relate only to the items tested and the sample(s) as received by the laboratory. The results, detection limits (LOD) and Quantitation Limits (LOQ) have been adjusted for sample dilutions and/or solids content.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Chicago Project Manager.

Compliance Statement

The LOD and LOQ reported are adjusted by the dilution factor when a dilution factor greater than 1 is needed. Additionally, where results are indicated as being reported on a dry weight basis, the LOD and LOQ are adjusted for moisture content as well.

Definitions of Limits
- LOD = Limit of Detection = MDL as defined by 40 CFR part 136 Appendix B
- LOQ = Limit of Quantitation = 3.33 x LOD as defined by Wisconsin
- RL = Report Limit = a concentration supported by a standard in the calibration curves

Authorization



Generated
4/4/2025 8:41:42 AM

Authorized for release by
Sandie Fredrick, Senior Project Manager
Sandra.Fredrick@et.eurofinsus.com
(920)261-1660

Table of Contents

Cover Page 1
Table of Contents 3
Case Narrative 4
Detection Summary 5
Method Summary 11
Sample Summary 12
Client Sample Results 13
Definitions 32
QC Association 33
QC Sample Results 40
Chronicle 50
Certification Summary 55
Chain of Custody 56
Receipt Checklists 63

Job ID: 500-265148-1 — Eurofins Chicago

Job Narrative
500-265148-1

Receipt
The samples were received on 3/14/2025 9:40 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were 5.5º C, 6.6º C and 7.5º C.

Receipt Exceptions
The following sample(s) was received at the laboratory outside the required temperature criteria: two coolers-contained all sample containers for samples #1-4,9 and 10.

The following sample(s) was received outside of holding time: for IC N2 and N3, sampled 3/11 received 3/14.

Metals
Method 6020B: The method blank for preparation batch 500-810213 and analytical batch 500-811548 contained Copper above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Field Service / Mobile Lab
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

General Chemistry
Method 300.0: The matrix spike (MS) and matrix spike duplicate (MSD) recoveries for analytical batch 500-809978 were outside control limits. Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 300.0: The following samples contain carbonate at a concentration that is interfering with the nitrate peak. All results are approximate and may contain a combination of both carbonate and nitrate peaks. MW-31_20250311 (500-265148-1), MLR-02_20250311 (500-265148-3), PNC-01_20250311 (500-265148-5) and BNC-01_20250311 (500-265148-9)

Method 300.0: The following samples were received outside of holding time: MW-31_20250311 (500-265148-1), MLR-02_20250311 (500-265148-3), PNC-01_20250311 (500-265148-5), FB-01-SW_20250311 (500-265148-7) and BNC-01_20250311 (500-265148-9).

Method SM 2320B: The method blank for analytical batch 500-810684 contained Alkalinity above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore re-analysis of samples was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-265148-1

Client Sample ID: MW-31_20250311 — Lab Sample ID: 500-265148-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl Mercury	0.028	J	0.050	0.022	ng/L	1		1630	Total/NA
Mercury	2.8		0.50	0.20	ng/L	1		1631E	Total/NA
Mercury	0.26	J	0.50	0.20	ng/L	1		1631E	Dissolved
Uranium	1.8		0.050	0.0098	ug/L	1		1638	Total Recoverable
Uranium	1.2		0.050	0.0098	ug/L	1		1638	Dissolved
Aluminum	14000		100	25	ug/L	1		6020B	Total Recoverable
Arsenic	5.2		1.0	0.23	ug/L	1		6020B	Total Recoverable
Barium	230		2.5	0.73	ug/L	1		6020B	Total Recoverable
Beryllium	0.57	J	1.0	0.53	ug/L	1		6020B	Total Recoverable
Boron	700		50	13	ug/L	1		6020B	Total Recoverable
Calcium	31000		200	44	ug/L	1		6020B	Total Recoverable
Chromium	19		5.0	1.1	ug/L	1		6020B	Total Recoverable
Cobalt	9.3		1.0	0.40	ug/L	1		6020B	Total Recoverable
Copper	28	B	2.0	0.50	ug/L	1		6020B	Total Recoverable
Iron	12000		100	47	ug/L	1		6020B	Total Recoverable
Lead	5.3		0.50	0.19	ug/L	1		6020B	Total Recoverable
Lithium	50		10	2.5	ug/L	1		6020B	Total Recoverable
Magnesium	10000		200	49	ug/L	1		6020B	Total Recoverable
Manganese	310		2.5	0.79	ug/L	1		6020B	Total Recoverable
Molybdenum	10		5.0	2.5	ug/L	1		6020B	Total Recoverable
Nickel	31		2.0	0.63	ug/L	1		6020B	Total Recoverable
Potassium	6700		500	110	ug/L	1		6020B	Total Recoverable
Selenium	1.2	J	2.5	0.98	ug/L	1		6020B	Total Recoverable
Sodium	54000		200	77	ug/L	1		6020B	Total Recoverable
Strontium	450		4.0	0.64	ug/L	1		6020B	Total Recoverable
Vanadium	26		5.0	2.2	ug/L	1		6020B	Total Recoverable
Zinc	38		20	6.9	ug/L	1		6020B	Total Recoverable
Aluminum	6200		100	25	ug/L	1		6020B	Dissolved
Arsenic	3.6		1.0	0.23	ug/L	1		6020B	Dissolved
Barium	180		2.5	0.73	ug/L	1		6020B	Dissolved
Boron	760		50	13	ug/L	1		6020B	Dissolved
Calcium	26000		200	44	ug/L	1		6020B	Dissolved
Chromium	8.3		5.0	1.1	ug/L	1		6020B	Dissolved
Cobalt	4.6		1.0	0.40	ug/L	1		6020B	Dissolved

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-31_20250311 (Continued) — Lab Sample ID: 500-265148-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Copper	12	B	2.0	0.50	ug/L	1		6020B	Dissolved
Iron	5100		100	47	ug/L	1		6020B	Dissolved
Lead	2.4		0.50	0.19	ug/L	1		6020B	Dissolved
Lithium	33		10	2.5	ug/L	1		6020B	Dissolved
Magnesium	7100		200	49	ug/L	1		6020B	Dissolved
Manganese	160		2.5	0.79	ug/L	1		6020B	Dissolved
Molybdenum	8.3		5.0	2.5	ug/L	1		6020B	Dissolved
Nickel	14		2.0	0.63	ug/L	1		6020B	Dissolved
Potassium	5000		500	110	ug/L	1		6020B	Dissolved
Sodium	54000		200	77	ug/L	1		6020B	Dissolved
Strontium	420		4.0	0.64	ug/L	1		6020B	Dissolved
Vanadium	12		5.0	2.2	ug/L	1		6020B	Dissolved
Zinc	17	J	20	6.9	ug/L	1		6020B	Dissolved
Hardness as calcium carbonate	120		0.91	0.46	mg/L	1		SM 2340B	Total Recoverable
Nitrate as N	3.3	H3	1.0	0.37	mg/L	1		300.0	Total/NA
Chloride	19		1.0	0.42	mg/L	1		300.0	Total/NA
Fluoride	0.51	J	1.0	0.43	mg/L	1		300.0	Total/NA
Nitrate Nitrite as N	3.3	H3	1.0	0.37	mg/L	1		300.0	Total/NA
Sulfate	22		1.0	0.47	mg/L	1		300.0	Total/NA
Phosphorus as P	0.59		0.10	0.048	mg/L	1		365.1	Total/NA
Alkalinity	150	B	5.0	3.7	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	150	B	5.0	3.7	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	270		10	4.3	mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	460		130	48	mg/L	1		SM 2540D	Total/NA
Sulfide	0.30	J	1.0	0.23	mg/L	1		SM 4500 S2 F	Total/NA
Total Organic Carbon	1.1		1.0	0.47	mg/L	1		SM 5310C	Total/NA
Dissolved Organic Carbon	1.2		1.0	0.47	mg/L	1		SM 5310C	Dissolved

Client Sample ID: MW-31_20250311_FBLL — Lab Sample ID: 500-265148-2

No Detections.

Client Sample ID: MLR-02_20250311 — Lab Sample ID: 500-265148-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl Mercury	0.052		0.050	0.022	ng/L	1		1630	Total/NA
Mercury	4.8		0.50	0.20	ng/L	1		1631E	Total/NA
Mercury	3.4		0.50	0.20	ng/L	1		1631E	Dissolved
Uranium	0.16		0.050	0.0098	ug/L	1		1638	Total Recoverable
Uranium	0.14		0.050	0.0098	ug/L	1		1638	Dissolved
Aluminum	1200		100	25	ug/L	1		6020B	Total Recoverable
Arsenic	0.53	J	1.0	0.23	ug/L	1		6020B	Total Recoverable
Barium	28		2.5	0.73	ug/L	1		6020B	Total Recoverable
Boron	24	J	50	13	ug/L	1		6020B	Total Recoverable
Calcium	17000		200	44	ug/L	1		6020B	Total Recoverable
Chromium	1.5	J	5.0	1.1	ug/L	1		6020B	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client Sample ID: MLR-02_20250311 (Continued)

Lab Sample ID: 500-265148-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cobalt	0.40	J	1.0	0.40	ug/L	1		6020B	Total Recoverable
Copper	48	B	2.0	0.50	ug/L	1		6020B	Total Recoverable
Iron	1200		100	47	ug/L	1		6020B	Total Recoverable
Lead	0.51		0.50	0.19	ug/L	1		6020B	Total Recoverable
Magnesium	4100		200	49	ug/L	1		6020B	Total Recoverable
Manganese	40		2.5	0.79	ug/L	1		6020B	Total Recoverable
Nickel	0.95	J	2.0	0.63	ug/L	1		6020B	Total Recoverable
Potassium	1200		500	110	ug/L	1		6020B	Total Recoverable
Sodium	9500		200	77	ug/L	1		6020B	Total Recoverable
Strontium	38		4.0	0.64	ug/L	1		6020B	Total Recoverable
Vanadium	2.3	J	5.0	2.2	ug/L	1		6020B	Total Recoverable
Aluminum	88	J	100	25	ug/L	1		6020B	Dissolved
Arsenic	0.36	J	1.0	0.23	ug/L	1		6020B	Dissolved
Barium	19		2.5	0.73	ug/L	1		6020B	Dissolved
Boron	24	J	50	13	ug/L	1		6020B	Dissolved
Calcium	16000		200	44	ug/L	1		6020B	Dissolved
Copper	36	B	2.0	0.50	ug/L	1		6020B	Dissolved
Iron	280		100	47	ug/L	1		6020B	Dissolved
Magnesium	3800		200	49	ug/L	1		6020B	Dissolved
Manganese	22		2.5	0.79	ug/L	1		6020B	Dissolved
Potassium	920		500	110	ug/L	1		6020B	Dissolved
Sodium	9500		200	77	ug/L	1		6020B	Dissolved
Strontium	37		4.0	0.64	ug/L	1		6020B	Dissolved
Hardness as calcium carbonate	59		0.91	0.46	mg/L	1		SM 2340B	Total Recoverable
Nitrate as N	1.6	H3	1.0	0.37	mg/L	1		300.0	Total/NA
Chloride	16		1.0	0.42	mg/L	1		300.0	Total/NA
Nitrate Nitrite as N	1.6	H3	1.0	0.37	mg/L	1		300.0	Total/NA
Sulfate	3.6		1.0	0.47	mg/L	1		300.0	Total/NA
Phosphorus as P	0.059		0.050	0.024	mg/L	1		365.1	Total/NA
Alkalinity	50	B	5.0	3.7	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	50	B	5.0	3.7	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	94		10	4.3	mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	7.0		5.0	1.9	mg/L	1		SM 2540D	Total/NA
Total Organic Carbon	8.2		1.0	0.47	mg/L	1		SM 5310C	Total/NA
Dissolved Organic Carbon	8.2		1.0	0.47	mg/L	1		SM 5310C	Dissolved

Client Sample ID: MLR-02_20250311_FBLL

Lab Sample ID: 500-265148-4

No Detections.

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-265148-1

Client Sample ID: PNC-01_20250311

Lab Sample ID: 500-265148-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl Mercury	0.048	J	0.050	0.022	ng/L	1		1630	Total/NA
Mercury	7.6		0.50	0.20	ng/L	1		1631E	Total/NA
Mercury	5.4		0.50	0.20	ng/L	1		1631E	Dissolved
Uranium	0.078		0.050	0.0098	ug/L	1		1638	Total Recoverable
Uranium	0.052		0.050	0.0098	ug/L	1		1638	Dissolved
Aluminum	1200		100	25	ug/L	1		6020B	Total Recoverable
Arsenic	0.47	J	1.0	0.23	ug/L	1		6020B	Total Recoverable
Barium	15		2.5	0.73	ug/L	1		6020B	Total Recoverable
Calcium	5200		200	44	ug/L	1		6020B	Total Recoverable
Chromium	1.4	J	5.0	1.1	ug/L	1		6020B	Total Recoverable
Copper	16	B	2.0	0.50	ug/L	1		6020B	Total Recoverable
Iron	1700		100	47	ug/L	1		6020B	Total Recoverable
Lead	0.45	J	0.50	0.19	ug/L	1		6020B	Total Recoverable
Magnesium	1500		200	49	ug/L	1		6020B	Total Recoverable
Manganese	78		2.5	0.79	ug/L	1		6020B	Total Recoverable
Potassium	850		500	110	ug/L	1		6020B	Total Recoverable
Sodium	670		200	77	ug/L	1		6020B	Total Recoverable
Strontium	14		4.0	0.64	ug/L	1		6020B	Total Recoverable
Aluminum	190		100	25	ug/L	1		6020B	Dissolved
Arsenic	0.25	J	1.0	0.23	ug/L	1		6020B	Dissolved
Barium	8.3		2.5	0.73	ug/L	1		6020B	Dissolved
Boron	14	J	50	13	ug/L	1		6020B	Dissolved
Calcium	5100		200	44	ug/L	1		6020B	Dissolved
Copper	11	B	2.0	0.50	ug/L	1		6020B	Dissolved
Iron	540		100	47	ug/L	1		6020B	Dissolved
Magnesium	1300		200	49	ug/L	1		6020B	Dissolved
Manganese	46		2.5	0.79	ug/L	1		6020B	Dissolved
Potassium	750		500	110	ug/L	1		6020B	Dissolved
Sodium	680		200	77	ug/L	1		6020B	Dissolved
Strontium	13		4.0	0.64	ug/L	1		6020B	Dissolved
Hardness as calcium carbonate	19		0.91	0.46	mg/L	1		SM 2340B	Total Recoverable
Nitrate as N	0.80	J H3	1.0	0.37	mg/L	1		300.0	Total/NA
Nitrate Nitrite as N	0.80	J H3	1.0	0.37	mg/L	1		300.0	Total/NA
Sulfate	1.5		1.0	0.47	mg/L	1		300.0	Total/NA
Phosphorus as P	0.050		0.050	0.024	mg/L	1		365.1	Total/NA
Alkalinity	16	B	5.0	3.7	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	16	B	5.0	3.7	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	50		10	4.3	mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	13		5.0	1.9	mg/L	1		SM 2540D	Total/NA
Total Organic Carbon	8.3		1.0	0.47	mg/L	1		SM 5310C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Chicago

Client Sample ID: PNC-01_20250311 (Continued) — Lab Sample ID: 500-265148-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dissolved Organic Carbon	8.1		1.0	0.47	mg/L	1		SM 5310C	Dissolved

Client Sample ID: PNC-01_20250311_FBLL — Lab Sample ID: 500-265148-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	0.21	J	0.50	0.20	ng/L	1		1631E	Total/NA

Client Sample ID: FB-01-SW_20250311 — Lab Sample ID: 500-265148-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Boron	24	J	50	13	ug/L	1		6020B	Total Recoverable

Client Sample ID: FB-01-SW_20250311_FBLL — Lab Sample ID: 500-265148-8

No Detections.

Client Sample ID: BNC-01_20250311 — Lab Sample ID: 500-265148-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl Mercury	0.038	J	0.050	0.022	ng/L	1		1630	Total/NA
Methyl Mercury	0.035	J	0.050	0.022	ng/L	1		1630	Dissolved
Mercury	3.1		0.50	0.20	ng/L	1		1631E	Total/NA
Mercury	2.2		0.50	0.20	ng/L	1		1631E	Dissolved
Uranium	0.026	J	0.050	0.0098	ug/L	1		1638	Total Recoverable
Uranium	0.023	J	0.050	0.0098	ug/L	1		1638	Dissolved
Aluminum	140		100	25	ug/L	1		6020B	Total Recoverable
Arsenic	0.34	J	1.0	0.23	ug/L	1		6020B	Total Recoverable
Barium	61		2.5	0.73	ug/L	1		6020B	Total Recoverable
Boron	22	J	50	13	ug/L	1		6020B	Total Recoverable
Calcium	15000		200	44	ug/L	1		6020B	Total Recoverable
Copper	16	B	2.0	0.50	ug/L	1		6020B	Total Recoverable
Iron	1300		100	47	ug/L	1		6020B	Total Recoverable
Magnesium	2600		200	49	ug/L	1		6020B	Total Recoverable
Manganese	300		2.5	0.79	ug/L	1		6020B	Total Recoverable
Potassium	1900		500	110	ug/L	1		6020B	Total Recoverable
Sodium	3400		200	77	ug/L	1		6020B	Total Recoverable
Strontium	59		4.0	0.64	ug/L	1		6020B	Total Recoverable
Aluminum	41	J	100	25	ug/L	1		6020B	Dissolved
Arsenic	0.34	J	1.0	0.23	ug/L	1		6020B	Dissolved
Barium	61		2.5	0.73	ug/L	1		6020B	Dissolved
Boron	20	J	50	13	ug/L	1		6020B	Dissolved
Calcium	15000		200	44	ug/L	1		6020B	Dissolved
Copper	10	B	2.0	0.50	ug/L	1		6020B	Dissolved

This Detection Summary does not include radiochemical test results.

Client Sample ID: BNC-01_20250311 (Continued)

Lab Sample ID: 500-265148-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Iron	740		100	47	ug/L	1		6020B	Dissolved
Magnesium	2600		200	49	ug/L	1		6020B	Dissolved
Manganese	330		2.5	0.79	ug/L	1		6020B	Dissolved
Potassium	1800		500	110	ug/L	1		6020B	Dissolved
Sodium	3500		200	77	ug/L	1		6020B	Dissolved
Strontium	63		4.0	0.64	ug/L	1		6020B	Dissolved
Hardness as calcium carbonate	48		0.91	0.46	mg/L	1		SM 2340B	Total Recoverable
Nitrate as N	1.7	H3	1.0	0.37	mg/L	1		300.0	Total/NA
Chloride	8.5		1.0	0.42	mg/L	1		300.0	Total/NA
Nitrate Nitrite as N	1.7	H3	1.0	0.37	mg/L	1		300.0	Total/NA
Sulfate	0.52	J	1.0	0.47	mg/L	1		300.0	Total/NA
Phosphorus as P	0.032	J	0.050	0.024	mg/L	1		365.1	Total/NA
Alkalinity	44	B	5.0	3.7	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	44	B	5.0	3.7	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	66		10	4.3	mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	5.4		5.0	1.9	mg/L	1		SM 2540D	Total/NA
Sulfide	5.3		1.0	0.23	mg/L	1		SM 4500 S2 F	Total/NA
Total Organic Carbon	12		1.0	0.47	mg/L	1		SM 5310C	Total/NA
Dissolved Organic Carbon	11		1.0	0.47	mg/L	1		SM 5310C	Dissolved

Client Sample ID: BNC-01_20250311_FBLL

Lab Sample ID: 500-265148-10

No Detections.

This Detection Summary does not include radiochemical test results.

Method Summary

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-265148-1

Method	Method Description	Protocol	Laboratory
1630	Methyl Mercury	EPA	EET SSM
1631E	Mercury, Low Level (CVAFS)	EPA	EET SSM
1638	Metals (ICP/MS)	EPA	EET SSM
6020B	Metals (ICP/MS)	SW846	EET CHI
SM 2340B	Total Hardness (as CaCO3) by calculation	SM	EET CHI
300.0	Anions, Ion Chromatography	EPA	EET CHI
335.4	Cyanide, Total	EPA	EET CHI
350.1	Nitrogen, Ammonia	EPA	EET CHI
365.1	Phosphorus, Total	EPA	EET CHI
SM 2320B	Alkalinity	SM	EET CHI
SM 2520B	Salinity	SM	EET CHI
SM 2540C	Solids, Total Dissolved (TDS)	SM	EET CHI
SM 2540D	Solids, Total Suspended (TSS)	SM	EET CHI
SM 4500 S2 F	Sulfide, Total	SM	EET CHI
SM 5310C	Organic Carbon, Dissolved (DOC)	SM	EET CHI
SM 5310C	TOC	SM	EET CHI
1630	Distillation, Methyl Mercury	EPA	EET SSM
1638	Preparation, Total Recoverable Metals	EPA	EET SSM
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET CHI
365.2/365.3/365	Phosphorus, Total	EPA	EET CHI
Distill/Ammonia	Distillation, Ammonia	None	EET CHI
Distill/CN	Distillation, Cyanide	None	EET CHI

Protocol References:

EPA = US Environmental Protection Agency

None = None

SM = "Standard Methods For The Examination Of Water And Wastewater"

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET CHI = Eurofins Chicago, 18410 Crossing Drive, Suite E, Tinley Park, IL 60487, TEL (708)534-5200

EET SSM = Eurofins Seattle Specialty Metals, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

Sample Summary

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-265148-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-265148-1	MW-31_20250311	Water	03/11/25 14:00	03/14/25 09:40
500-265148-2	MW-31_20250311_FBLL	Water	03/11/25 14:00	03/14/25 09:40
500-265148-3	MLR-02_20250311	Water	03/11/25 16:30	03/14/25 09:40
500-265148-4	MLR-02_20250311_FBLL	Water	03/11/25 16:30	03/14/25 09:40
500-265148-5	PNC-01_20250311	Water	03/11/25 12:00	03/14/25 09:40
500-265148-6	PNC-01_20250311_FBLL	Water	03/11/25 12:00	03/14/25 09:40
500-265148-7	FB-01-SW_20250311	Water	03/11/25 12:30	03/14/25 09:40
500-265148-8	FB-01-SW_20250311_FBLL	Water	03/11/25 12:30	03/14/25 09:40
500-265148-9	BNC-01_20250311	Water	03/11/25 10:50	03/14/25 09:40
500-265148-10	BNC-01_20250311_FBLL	Water	03/11/25 10:50	03/14/25 09:40

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-265148-1

Client Sample ID: MW-31_20250311

Date Collected: 03/11/25 14:00
Date Received: 03/14/25 09:40

Lab Sample ID: 500-265148-1

Matrix: Water

Method: EPA 1630 - Methyl Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	0.028	J	0.050	0.022	ng/L		04/02/25 10:54	04/02/25 20:08	1

Method: EPA 1630 - Methyl Mercury - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		04/02/25 10:54	04/02/25 20:39	1

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	2.8		0.50	0.20	ng/L			03/28/25 18:09	1

Method: EPA 1631E - Mercury, Low Level (CVAFS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.26	J	0.50	0.20	ng/L			03/28/25 18:13	1

Method: EPA 1638 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	1.8		0.050	0.0098	ug/L		03/31/25 18:15	04/01/25 19:46	1

Method: EPA 1638 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	1.2		0.050	0.0098	ug/L		03/31/25 18:15	04/01/25 19:42	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	14000		100	25	ug/L		03/18/25 08:06	03/20/25 19:53	1
Antimony	<1.3		3.0	1.3	ug/L		03/18/25 08:06	03/20/25 19:53	1
Arsenic	5.2		1.0	0.23	ug/L		03/18/25 08:06	03/20/25 19:53	1
Barium	230		2.5	0.73	ug/L		03/18/25 08:06	03/20/25 19:53	1
Beryllium	0.57	J	1.0	0.53	ug/L		03/18/25 08:06	03/20/25 19:53	1
Boron	700		50	13	ug/L		03/18/25 08:06	03/20/25 19:53	1
Cadmium	<0.17		0.50	0.17	ug/L		03/18/25 08:06	03/20/25 19:53	1
Calcium	31000		200	44	ug/L		03/18/25 08:06	03/20/25 19:53	1
Chromium	19		5.0	1.1	ug/L		03/18/25 08:06	03/20/25 19:53	1
Cobalt	9.3		1.0	0.40	ug/L		03/18/25 08:06	03/20/25 19:53	1
Copper	28	B	2.0	0.50	ug/L		03/18/25 08:06	03/27/25 11:07	1
Iron	12000		100	47	ug/L		03/18/25 08:06	03/20/25 19:53	1
Lead	5.3		0.50	0.19	ug/L		03/18/25 08:06	03/20/25 19:53	1
Lithium	50		10	2.5	ug/L		03/18/25 08:06	03/20/25 19:53	1
Magnesium	10000		200	49	ug/L		03/18/25 08:06	03/20/25 19:53	1
Manganese	310		2.5	0.79	ug/L		03/18/25 08:06	03/20/25 19:53	1
Molybdenum	10		5.0	2.5	ug/L		03/18/25 08:06	03/20/25 19:53	1
Nickel	31		2.0	0.63	ug/L		03/18/25 08:06	03/20/25 19:53	1
Potassium	6700		500	110	ug/L		03/18/25 08:06	03/20/25 19:53	1
Selenium	1.2	J	2.5	0.98	ug/L		03/18/25 08:06	03/20/25 19:53	1
Silver	<0.12		0.50	0.12	ug/L		03/18/25 08:06	03/20/25 19:53	1
Sodium	54000		200	77	ug/L		03/18/25 08:06	03/20/25 19:53	1
Strontium	450		4.0	0.64	ug/L		03/18/25 08:06	03/20/25 19:53	1
Thallium	<0.57		2.0	0.57	ug/L		03/18/25 08:06	03/20/25 19:53	1
Tin	<1.3		5.0	1.3	ug/L		03/18/25 08:06	03/20/25 19:53	1
Vanadium	26		5.0	2.2	ug/L		03/18/25 08:06	03/20/25 19:53	1
Zinc	38		20	6.9	ug/L		03/18/25 08:06	03/20/25 19:53	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-265148-1

Client Sample ID: MW-31_20250311

Date Collected: 03/11/25 14:00
Date Received: 03/14/25 09:40

Lab Sample ID: 500-265148-1

Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**6200**		100	25	ug/L		03/18/25 08:06	03/20/25 19:56	1
Antimony	<1.3		3.0	1.3	ug/L		03/18/25 08:06	03/20/25 19:56	1
Arsenic	**3.6**		1.0	0.23	ug/L		03/18/25 08:06	03/20/25 19:56	1
Barium	**180**		2.5	0.73	ug/L		03/18/25 08:06	03/20/25 19:56	1
Beryllium	<0.53		1.0	0.53	ug/L		03/18/25 08:06	03/20/25 19:56	1
Boron	**760**		50	13	ug/L		03/18/25 08:06	03/20/25 19:56	1
Cadmium	<0.17		0.50	0.17	ug/L		03/18/25 08:06	03/20/25 19:56	1
Calcium	**26000**		200	44	ug/L		03/18/25 08:06	03/20/25 19:56	1
Chromium	**8.3**		5.0	1.1	ug/L		03/18/25 08:06	03/20/25 19:56	1
Cobalt	**4.6**		1.0	0.40	ug/L		03/18/25 08:06	03/20/25 19:56	1
Copper	**12**	**B**	2.0	0.50	ug/L		03/18/25 08:06	03/27/25 11:10	1
Iron	**5100**		100	47	ug/L		03/18/25 08:06	03/20/25 19:56	1
Lead	**2.4**		0.50	0.19	ug/L		03/18/25 08:06	03/20/25 19:56	1
Lithium	**33**		10	2.5	ug/L		03/18/25 08:06	03/20/25 19:56	1
Magnesium	**7100**		200	49	ug/L		03/18/25 08:06	03/20/25 19:56	1
Manganese	**160**		2.5	0.79	ug/L		03/18/25 08:06	03/20/25 19:56	1
Molybdenum	**8.3**		5.0	2.5	ug/L		03/18/25 08:06	03/20/25 19:56	1
Nickel	**14**		2.0	0.63	ug/L		03/18/25 08:06	03/20/25 19:56	1
Potassium	**5000**		500	110	ug/L		03/18/25 08:06	03/20/25 19:56	1
Selenium	<0.98		2.5	0.98	ug/L		03/18/25 08:06	03/20/25 19:56	1
Silver	<0.12		0.50	0.12	ug/L		03/18/25 08:06	03/20/25 19:56	1
Sodium	**54000**		200	77	ug/L		03/18/25 08:06	03/20/25 19:56	1
Strontium	**420**		4.0	0.64	ug/L		03/18/25 08:06	03/20/25 19:56	1
Thallium	<0.57		2.0	0.57	ug/L		03/18/25 08:06	03/20/25 19:56	1
Tin	<1.3		5.0	1.3	ug/L		03/18/25 08:06	03/20/25 19:56	1
Vanadium	**12**		5.0	2.2	ug/L		03/18/25 08:06	03/20/25 19:56	1
Zinc	**17**	**J**	20	6.9	ug/L		03/18/25 08:06	03/20/25 19:56	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**120**		0.91	0.46	mg/L		03/18/25 08:06	03/21/25 08:55	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	<0.45		1.0	0.45	mg/L			03/14/25 21:25	1
Nitrate as N (EPA 300.0)	**3.3**	**H3**	1.0	0.37	mg/L			03/14/25 21:25	1
Chloride (EPA 300.0)	**19**		1.0	0.42	mg/L			03/14/25 21:25	1
Nitrite as N (EPA 300.0)	<0.25	H3	1.0	0.25	mg/L			03/14/25 21:25	1
Fluoride (EPA 300.0)	**0.51**	**J**	1.0	0.43	mg/L			03/14/25 21:25	1
Nitrate Nitrite as N (EPA 300.0)	**3.3**	**H3**	1.0	0.37	mg/L			03/14/25 21:25	1
Sulfate (EPA 300.0)	**22**		1.0	0.47	mg/L			03/14/25 21:25	1
Cyanide, Total (EPA 335.4)	<0.0036		0.0050	0.0036	mg/L		03/16/25 12:10	03/16/25 14:06	1
Ammonia (EPA 350.1)	<0.10		0.20	0.10	mg/L		03/27/25 13:46	03/28/25 15:42	1
Phosphorus as P (EPA 365.1)	**0.59**		0.10	0.048	mg/L		03/18/25 08:57	03/18/25 15:16	1
Alkalinity (SM 2320B)	**150**	**B**	5.0	3.7	mg/L			03/20/25 12:22	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**150**	**B**	5.0	3.7	mg/L			03/20/25 12:22	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<3.7		5.0	3.7	mg/L			03/20/25 12:22	1
Salinity (SM 2520B)	<0.33		0.33	0.33	psu			03/27/25 10:26	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-265148-1

Client Sample ID: MW-31_20250311
Date Collected: 03/11/25 14:00
Date Received: 03/14/25 09:40

Lab Sample ID: 500-265148-1
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	270		10	4.3	mg/L			03/17/25 00:29	1
Total Suspended Solids (SM 2540D)	460		130	48	mg/L			03/17/25 13:35	1
Sulfide (SM 4500 S2 F)	0.30	J	1.0	0.23	mg/L			03/17/25 03:25	1
Total Organic Carbon (SM 5310C)	1.1		1.0	0.47	mg/L			03/23/25 22:29	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon (SM 5310C)	1.2		1.0	0.47	mg/L			03/24/25 05:33	1

Client Sample Results

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-265148-1

Client Sample ID: MW-31_20250311_FBLL
Date Collected: 03/11/25 14:00
Date Received: 03/14/25 09:40

Lab Sample ID: 500-265148-2
Matrix: Water

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			03/28/25 18:18	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-265148-1

Client Sample ID: MLR-02_20250311

Date Collected: 03/11/25 16:30
Date Received: 03/14/25 09:40

Lab Sample ID: 500-265148-3

Matrix: Water

Method: EPA 1630 - Methyl Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	**0.052**		0.050	0.022	ng/L		04/02/25 10:54	04/02/25 19:07	1

Method: EPA 1630 - Methyl Mercury - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		04/02/25 10:54	04/02/25 20:49	1

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**4.8**		0.50	0.20	ng/L			03/28/25 18:22	1

Method: EPA 1631E - Mercury, Low Level (CVAFS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**3.4**		0.50	0.20	ng/L			03/28/25 18:26	1

Method: EPA 1638 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.16**		0.050	0.0098	ug/L		03/31/25 18:15	04/01/25 19:50	1

Method: EPA 1638 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.14**		0.050	0.0098	ug/L		03/31/25 18:15	04/01/25 19:54	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**1200**		100	25	ug/L		03/18/25 08:06	03/20/25 19:58	1
Antimony	<1.3		3.0	1.3	ug/L		03/18/25 08:06	03/20/25 19:58	1
Arsenic	**0.53**	**J**	1.0	0.23	ug/L		03/18/25 08:06	03/20/25 19:58	1
Barium	**28**		2.5	0.73	ug/L		03/18/25 08:06	03/20/25 19:58	1
Beryllium	<0.53		1.0	0.53	ug/L		03/18/25 08:06	03/20/25 19:58	1
Boron	**24**	**J**	50	13	ug/L		03/18/25 08:06	03/20/25 19:58	1
Cadmium	<0.17		0.50	0.17	ug/L		03/18/25 08:06	03/20/25 19:58	1
Calcium	**17000**		200	44	ug/L		03/18/25 08:06	03/20/25 19:58	1
Chromium	**1.5**	**J**	5.0	1.1	ug/L		03/18/25 08:06	03/20/25 19:58	1
Cobalt	**0.40**	**J**	1.0	0.40	ug/L		03/18/25 08:06	03/20/25 19:58	1
Copper	**48**	**B**	2.0	0.50	ug/L		03/18/25 08:06	03/27/25 11:12	1
Iron	**1200**		100	47	ug/L		03/18/25 08:06	03/20/25 19:58	1
Lead	**0.51**		0.50	0.19	ug/L		03/18/25 08:06	03/20/25 19:58	1
Lithium	<2.5		10	2.5	ug/L		03/18/25 08:06	03/20/25 19:58	1
Magnesium	**4100**		200	49	ug/L		03/18/25 08:06	03/20/25 19:58	1
Manganese	**40**		2.5	0.79	ug/L		03/18/25 08:06	03/20/25 19:58	1
Molybdenum	<2.5		5.0	2.5	ug/L		03/18/25 08:06	03/20/25 19:58	1
Nickel	**0.95**	**J**	2.0	0.63	ug/L		03/18/25 08:06	03/20/25 19:58	1
Potassium	**1200**		500	110	ug/L		03/18/25 08:06	03/20/25 19:58	1
Selenium	<0.98		2.5	0.98	ug/L		03/18/25 08:06	03/20/25 19:58	1
Silver	<0.12		0.50	0.12	ug/L		03/18/25 08:06	03/20/25 19:58	1
Sodium	**9500**		200	77	ug/L		03/18/25 08:06	03/20/25 19:58	1
Strontium	**38**		4.0	0.64	ug/L		03/18/25 08:06	03/20/25 19:58	1
Thallium	<0.57		2.0	0.57	ug/L		03/18/25 08:06	03/20/25 19:58	1
Tin	<1.3		5.0	1.3	ug/L		03/18/25 08:06	03/20/25 19:58	1
Vanadium	**2.3**	**J**	5.0	2.2	ug/L		03/18/25 08:06	03/20/25 19:58	1
Zinc	<6.9		20	6.9	ug/L		03/18/25 08:06	03/20/25 19:58	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-265148-1

Client Sample ID: MLR-02_20250311

Date Collected: 03/11/25 16:30
Date Received: 03/14/25 09:40

Lab Sample ID: 500-265148-3

Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**88**	**J**	100	25	ug/L		03/18/25 08:06	03/20/25 20:00	1
Antimony	<1.3		3.0	1.3	ug/L		03/18/25 08:06	03/20/25 20:00	1
Arsenic	**0.36**	**J**	1.0	0.23	ug/L		03/18/25 08:06	03/20/25 20:00	1
Barium	**19**		2.5	0.73	ug/L		03/18/25 08:06	03/20/25 20:00	1
Beryllium	<0.53		1.0	0.53	ug/L		03/18/25 08:06	03/20/25 20:00	1
Boron	**24**	**J**	50	13	ug/L		03/18/25 08:06	03/20/25 20:00	1
Cadmium	<0.17		0.50	0.17	ug/L		03/18/25 08:06	03/20/25 20:00	1
Calcium	**16000**		200	44	ug/L		03/18/25 08:06	03/20/25 20:00	1
Chromium	<1.1		5.0	1.1	ug/L		03/18/25 08:06	03/20/25 20:00	1
Cobalt	<0.40		1.0	0.40	ug/L		03/18/25 08:06	03/20/25 20:00	1
Copper	**36**	**B**	2.0	0.50	ug/L		03/18/25 08:06	03/27/25 11:15	1
Iron	**280**		100	47	ug/L		03/18/25 08:06	03/20/25 20:00	1
Lead	<0.19		0.50	0.19	ug/L		03/18/25 08:06	03/20/25 20:00	1
Lithium	<2.5		10	2.5	ug/L		03/18/25 08:06	03/20/25 20:00	1
Magnesium	**3800**		200	49	ug/L		03/18/25 08:06	03/20/25 20:00	1
Manganese	**22**		2.5	0.79	ug/L		03/18/25 08:06	03/20/25 20:00	1
Molybdenum	<2.5		5.0	2.5	ug/L		03/18/25 08:06	03/20/25 20:00	1
Nickel	<0.63		2.0	0.63	ug/L		03/18/25 08:06	03/20/25 20:00	1
Potassium	**920**		500	110	ug/L		03/18/25 08:06	03/20/25 20:00	1
Selenium	<0.98		2.5	0.98	ug/L		03/18/25 08:06	03/20/25 20:00	1
Silver	<0.12		0.50	0.12	ug/L		03/18/25 08:06	03/20/25 20:00	1
Sodium	**9500**		200	77	ug/L		03/18/25 08:06	03/20/25 20:00	1
Strontium	**37**		4.0	0.64	ug/L		03/18/25 08:06	03/20/25 20:00	1
Thallium	<0.57		2.0	0.57	ug/L		03/18/25 08:06	03/20/25 20:00	1
Tin	<1.3		5.0	1.3	ug/L		03/18/25 08:06	03/20/25 20:00	1
Vanadium	<2.2		5.0	2.2	ug/L		03/18/25 08:06	03/20/25 20:00	1
Zinc	<6.9		20	6.9	ug/L		03/18/25 08:06	03/20/25 20:00	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**59**		0.91	0.46	mg/L		03/18/25 08:06	03/21/25 08:55	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	<0.45		1.0	0.45	mg/L			03/14/25 21:40	1
Nitrate as N (EPA 300.0)	**1.6**	**H3**	1.0	0.37	mg/L			03/14/25 21:40	1
Chloride (EPA 300.0)	**16**		1.0	0.42	mg/L			03/14/25 21:40	1
Nitrite as N (EPA 300.0)	<0.25	H3	1.0	0.25	mg/L			03/14/25 21:40	1
Fluoride (EPA 300.0)	<0.43		1.0	0.43	mg/L			03/14/25 21:40	1
Nitrate Nitrite as N (EPA 300.0)	**1.6**	**H3**	1.0	0.37	mg/L			03/14/25 21:40	1
Sulfate (EPA 300.0)	**3.6**		1.0	0.47	mg/L			03/14/25 21:40	1
Cyanide, Total (EPA 335.4)	<0.0036		0.0050	0.0036	mg/L		03/16/25 12:10	03/16/25 14:12	1
Ammonia (EPA 350.1)	<0.10		0.20	0.10	mg/L		03/27/25 13:46	03/28/25 15:42	1
Phosphorus as P (EPA 365.1)	**0.059**		0.050	0.024	mg/L		03/18/25 08:57	03/18/25 15:17	1
Alkalinity (SM 2320B)	**50**	**B**	5.0	3.7	mg/L			03/20/25 12:32	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**50**	**B**	5.0	3.7	mg/L			03/20/25 12:32	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<3.7		5.0	3.7	mg/L			03/20/25 12:32	1
Salinity (SM 2520B)	<0.33		0.33	0.33	psu			03/27/25 10:26	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-265148-1

Client Sample ID: MLR-02_20250311
Date Collected: 03/11/25 16:30
Date Received: 03/14/25 09:40

Lab Sample ID: 500-265148-3
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	94		10	4.3	mg/L			03/17/25 00:32	1
Total Suspended Solids (SM 2540D)	7.0		5.0	1.9	mg/L			03/17/25 13:37	1
Sulfide (SM 4500 S2 F)	<0.23		1.0	0.23	mg/L			03/17/25 03:28	1
Total Organic Carbon (SM 5310C)	8.2		1.0	0.47	mg/L			03/23/25 23:01	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon (SM 5310C)	8.2		1.0	0.47	mg/L			03/24/25 06:05	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-265148-1

Client Sample ID: MLR-02_20250311_FBLL
Date Collected: 03/11/25 16:30
Date Received: 03/14/25 09:40

Lab Sample ID: 500-265148-4
Matrix: Water

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			03/28/25 18:30	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-265148-1

Client Sample ID: PNC-01_20250311

Date Collected: 03/11/25 12:00
Date Received: 03/14/25 09:40

Lab Sample ID: 500-265148-5

Matrix: Water

Method: EPA 1630 - Methyl Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	**0.048**	**J**	0.050	0.022	ng/L		04/02/25 10:54	04/02/25 20:59	1

Method: EPA 1630 - Methyl Mercury - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		04/02/25 10:54	04/02/25 21:09	1

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**7.6**		0.50	0.20	ng/L			04/01/25 18:48	1

Method: EPA 1631E - Mercury, Low Level (CVAFS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**5.4**		0.50	0.20	ng/L			04/01/25 18:52	1

Method: EPA 1638 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.078**		0.050	0.0098	ug/L		04/02/25 11:35	04/02/25 17:09	1

Method: EPA 1638 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.052**		0.050	0.0098	ug/L		04/02/25 11:35	04/02/25 17:01	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**1200**		100	25	ug/L		03/18/25 08:06	03/20/25 20:08	1
Antimony	<1.3		3.0	1.3	ug/L		03/18/25 08:06	03/20/25 20:08	1
Arsenic	**0.47**	**J**	1.0	0.23	ug/L		03/18/25 08:06	03/20/25 20:08	1
Barium	**15**		2.5	0.73	ug/L		03/18/25 08:06	03/20/25 20:08	1
Beryllium	<0.53		1.0	0.53	ug/L		03/18/25 08:06	03/20/25 20:08	1
Boron	<13		50	13	ug/L		03/18/25 08:06	03/20/25 20:08	1
Cadmium	<0.17		0.50	0.17	ug/L		03/18/25 08:06	03/20/25 20:08	1
Calcium	**5200**		200	44	ug/L		03/18/25 08:06	03/20/25 20:08	1
Chromium	**1.4**	**J**	5.0	1.1	ug/L		03/18/25 08:06	03/20/25 20:08	1
Cobalt	<0.40		1.0	0.40	ug/L		03/18/25 08:06	03/20/25 20:08	1
Copper	**16**	**B**	2.0	0.50	ug/L		03/18/25 08:06	03/27/25 11:17	1
Iron	**1700**		100	47	ug/L		03/18/25 08:06	03/20/25 20:08	1
Lead	**0.45**	**J**	0.50	0.19	ug/L		03/18/25 08:06	03/20/25 20:08	1
Lithium	<2.5		10	2.5	ug/L		03/18/25 08:06	03/20/25 20:08	1
Magnesium	**1500**		200	49	ug/L		03/18/25 08:06	03/20/25 20:08	1
Manganese	**78**		2.5	0.79	ug/L		03/18/25 08:06	03/20/25 20:08	1
Molybdenum	<2.5		5.0	2.5	ug/L		03/18/25 08:06	03/20/25 20:08	1
Nickel	<0.63		2.0	0.63	ug/L		03/18/25 08:06	03/20/25 20:08	1
Potassium	**850**		500	110	ug/L		03/18/25 08:06	03/20/25 20:08	1
Selenium	<0.98		2.5	0.98	ug/L		03/18/25 08:06	03/20/25 20:08	1
Silver	<0.12		0.50	0.12	ug/L		03/18/25 08:06	03/20/25 20:08	1
Sodium	**670**		200	77	ug/L		03/18/25 08:06	03/20/25 20:08	1
Strontium	**14**		4.0	0.64	ug/L		03/18/25 08:06	03/20/25 20:08	1
Thallium	<0.57		2.0	0.57	ug/L		03/18/25 08:06	03/20/25 20:08	1
Tin	<1.3		5.0	1.3	ug/L		03/18/25 08:06	03/20/25 20:08	1
Vanadium	<2.2		5.0	2.2	ug/L		03/18/25 08:06	03/20/25 20:08	1
Zinc	<6.9		20	6.9	ug/L		03/18/25 08:06	03/20/25 20:08	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-265148-1

Client Sample ID: PNC-01_20250311

Date Collected: 03/11/25 12:00
Date Received: 03/14/25 09:40

Lab Sample ID: 500-265148-5

Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**190**		100	25	ug/L		03/18/25 08:06	03/20/25 20:10	1
Antimony	<1.3		3.0	1.3	ug/L		03/18/25 08:06	03/20/25 20:10	1
Arsenic	**0.25**	**J**	1.0	0.23	ug/L		03/18/25 08:06	03/20/25 20:10	1
Barium	**8.3**		2.5	0.73	ug/L		03/18/25 08:06	03/20/25 20:10	1
Beryllium	<0.53		1.0	0.53	ug/L		03/18/25 08:06	03/20/25 20:10	1
Boron	**14**	**J**	50	13	ug/L		03/18/25 08:06	03/20/25 20:10	1
Cadmium	<0.17		0.50	0.17	ug/L		03/18/25 08:06	03/20/25 20:10	1
Calcium	**5100**		200	44	ug/L		03/18/25 08:06	03/20/25 20:10	1
Chromium	<1.1		5.0	1.1	ug/L		03/18/25 08:06	03/20/25 20:10	1
Cobalt	<0.40		1.0	0.40	ug/L		03/18/25 08:06	03/20/25 20:10	1
Copper	**11**	**B**	2.0	0.50	ug/L		03/18/25 08:06	03/27/25 11:19	1
Iron	**540**		100	47	ug/L		03/18/25 08:06	03/20/25 20:10	1
Lead	<0.19		0.50	0.19	ug/L		03/18/25 08:06	03/20/25 20:10	1
Lithium	<2.5		10	2.5	ug/L		03/18/25 08:06	03/20/25 20:10	1
Magnesium	**1300**		200	49	ug/L		03/18/25 08:06	03/20/25 20:10	1
Manganese	**46**		2.5	0.79	ug/L		03/18/25 08:06	03/20/25 20:10	1
Molybdenum	<2.5		5.0	2.5	ug/L		03/18/25 08:06	03/20/25 20:10	1
Nickel	<0.63		2.0	0.63	ug/L		03/18/25 08:06	03/20/25 20:10	1
Potassium	**750**		500	110	ug/L		03/18/25 08:06	03/20/25 20:10	1
Selenium	<0.98		2.5	0.98	ug/L		03/18/25 08:06	03/20/25 20:10	1
Silver	<0.12		0.50	0.12	ug/L		03/18/25 08:06	03/20/25 20:10	1
Sodium	**680**		200	77	ug/L		03/18/25 08:06	03/20/25 20:10	1
Strontium	**13**		4.0	0.64	ug/L		03/18/25 08:06	03/20/25 20:10	1
Thallium	<0.57		2.0	0.57	ug/L		03/18/25 08:06	03/20/25 20:10	1
Tin	<1.3		5.0	1.3	ug/L		03/18/25 08:06	03/20/25 20:10	1
Vanadium	<2.2		5.0	2.2	ug/L		03/18/25 08:06	03/20/25 20:10	1
Zinc	<6.9		20	6.9	ug/L		03/18/25 08:06	03/20/25 20:10	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**19**		0.91	0.46	mg/L		03/18/25 08:06	03/21/25 08:55	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	<0.45		1.0	0.45	mg/L			03/14/25 21:55	1
Nitrate as N (EPA 300.0)	**0.80**	**J H3**	1.0	0.37	mg/L			03/14/25 21:55	1
Chloride (EPA 300.0)	<0.42		1.0	0.42	mg/L			03/14/25 21:55	1
Nitrite as N (EPA 300.0)	<0.25	H3	1.0	0.25	mg/L			03/14/25 21:55	1
Fluoride (EPA 300.0)	<0.43		1.0	0.43	mg/L			03/14/25 21:55	1
Nitrate Nitrite as N (EPA 300.0)	**0.80**	**J H3**	1.0	0.37	mg/L			03/14/25 21:55	1
Sulfate (EPA 300.0)	**1.5**		1.0	0.47	mg/L			03/14/25 21:55	1
Cyanide, Total (EPA 335.4)	<0.0036		0.0050	0.0036	mg/L		03/16/25 12:10	03/16/25 14:13	1
Ammonia (EPA 350.1)	<0.10		0.20	0.10	mg/L		03/27/25 13:46	03/28/25 15:43	1
Phosphorus as P (EPA 365.1)	**0.050**		0.050	0.024	mg/L		03/18/25 08:57	03/18/25 15:18	1
Alkalinity (SM 2320B)	**16**	**B**	5.0	3.7	mg/L			03/20/25 12:41	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**16**	**B**	5.0	3.7	mg/L			03/20/25 12:41	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<3.7		5.0	3.7	mg/L			03/20/25 12:41	1
Salinity (SM 2520B)	<0.33		0.33	0.33	psu			03/27/25 10:26	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-265148-1

Client Sample ID: PNC-01_20250311
Date Collected: 03/11/25 12:00
Date Received: 03/14/25 09:40

Lab Sample ID: 500-265148-5
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	50		10	4.3	mg/L			03/17/25 00:34	1
Total Suspended Solids (SM 2540D)	13		5.0	1.9	mg/L			03/17/25 13:40	1
Sulfide (SM 4500 S2 F)	<0.23		1.0	0.23	mg/L			03/17/25 03:32	1
Total Organic Carbon (SM 5310C)	8.3		1.0	0.47	mg/L			03/23/25 23:33	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon (SM 5310C)	8.1		1.0	0.47	mg/L			03/24/25 06:37	1

Client Sample Results

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-265148-1

Client Sample ID: PNC-01_20250311_FBLL
Date Collected: 03/11/25 12:00
Date Received: 03/14/25 09:40

Lab Sample ID: 500-265148-6
Matrix: Water

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.21	J	0.50	0.20	ng/L			04/01/25 18:56	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-265148-1

Client Sample ID: FB-01-SW_20250311

Date Collected: 03/11/25 12:30
Date Received: 03/14/25 09:40

Lab Sample ID: 500-265148-7

Matrix: Water

Method: EPA 1630 - Methyl Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		04/02/25 10:54	04/02/25 21:20	1

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			04/01/25 19:00	1

Method: EPA 1638 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	<0.0098		0.050	0.0098	ug/L		04/02/25 11:35	04/02/25 17:18	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<25		100	25	ug/L		03/18/25 08:06	03/20/25 20:13	1
Antimony	<1.3		3.0	1.3	ug/L		03/18/25 08:06	03/20/25 20:13	1
Arsenic	<0.23		1.0	0.23	ug/L		03/18/25 08:06	03/20/25 20:13	1
Barium	<0.73		2.5	0.73	ug/L		03/18/25 08:06	03/20/25 20:13	1
Beryllium	<0.53		1.0	0.53	ug/L		03/18/25 08:06	03/20/25 20:13	1
Boron	**24**	**J**	50	13	ug/L		03/18/25 08:06	03/20/25 20:13	1
Cadmium	<0.17		0.50	0.17	ug/L		03/18/25 08:06	03/20/25 20:13	1
Calcium	<44		200	44	ug/L		03/18/25 08:06	03/20/25 20:13	1
Chromium	<1.1		5.0	1.1	ug/L		03/18/25 08:06	03/20/25 20:13	1
Cobalt	<0.40		1.0	0.40	ug/L		03/18/25 08:06	03/20/25 20:13	1
Copper	<0.50		2.0	0.50	ug/L		03/18/25 08:06	03/27/25 11:22	1
Iron	<47		100	47	ug/L		03/18/25 08:06	03/20/25 20:13	1
Lead	<0.19		0.50	0.19	ug/L		03/18/25 08:06	03/20/25 20:13	1
Lithium	<2.5		10	2.5	ug/L		03/18/25 08:06	03/20/25 20:13	1
Magnesium	<49		200	49	ug/L		03/18/25 08:06	03/20/25 20:13	1
Manganese	<0.79		2.5	0.79	ug/L		03/18/25 08:06	03/20/25 20:13	1
Molybdenum	<2.5		5.0	2.5	ug/L		03/18/25 08:06	03/20/25 20:13	1
Nickel	<0.63		2.0	0.63	ug/L		03/18/25 08:06	03/20/25 20:13	1
Potassium	<110		500	110	ug/L		03/18/25 08:06	03/20/25 20:13	1
Selenium	<0.98		2.5	0.98	ug/L		03/18/25 08:06	03/20/25 20:13	1
Silver	<0.12		0.50	0.12	ug/L		03/18/25 08:06	03/20/25 20:13	1
Sodium	<77		200	77	ug/L		03/18/25 08:06	03/20/25 20:13	1
Strontium	<0.64		4.0	0.64	ug/L		03/18/25 08:06	03/20/25 20:13	1
Thallium	<0.57		2.0	0.57	ug/L		03/18/25 08:06	03/20/25 20:13	1
Tin	<1.3		5.0	1.3	ug/L		03/18/25 08:06	03/20/25 20:13	1
Vanadium	<2.2		5.0	2.2	ug/L		03/18/25 08:06	03/20/25 20:13	1
Zinc	<6.9		20	6.9	ug/L		03/18/25 08:06	03/20/25 20:13	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	<0.46		0.91	0.46	mg/L		03/18/25 08:06	03/21/25 08:55	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	<0.45		1.0	0.45	mg/L			03/14/25 22:41	1
Nitrate as N (EPA 300.0)	<0.37	H3	1.0	0.37	mg/L			03/14/25 22:41	1
Chloride (EPA 300.0)	<0.42		1.0	0.42	mg/L			03/14/25 22:41	1
Nitrite as N (EPA 300.0)	<0.25	H3	1.0	0.25	mg/L			03/14/25 22:41	1
Fluoride (EPA 300.0)	<0.43		1.0	0.43	mg/L			03/14/25 22:41	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-265148-1

Client Sample ID: FB-01-SW_20250311
Date Collected: 03/11/25 12:30
Date Received: 03/14/25 09:40

Lab Sample ID: 500-265148-7
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N (EPA 300.0)	<0.37	H3	1.0	0.37	mg/L			03/14/25 22:41	1
Sulfate (EPA 300.0)	<0.47		1.0	0.47	mg/L			03/14/25 22:41	1
Cyanide, Total (EPA 335.4)	<0.0036		0.0050	0.0036	mg/L		03/16/25 12:10	03/16/25 14:15	1
Ammonia (EPA 350.1)	<0.10		0.20	0.10	mg/L		03/27/25 13:46	03/28/25 15:44	1
Phosphorus as P (EPA 365.1)	<0.024		0.050	0.024	mg/L		03/18/25 08:57	03/18/25 15:19	1
Alkalinity (SM 2320B)	<3.7		5.0	3.7	mg/L			03/21/25 17:00	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	<3.7		5.0	3.7	mg/L			03/21/25 17:00	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<3.7		5.0	3.7	mg/L			03/21/25 17:00	1
Salinity (SM 2520B)	<0.33		0.33	0.33	psu			03/27/25 10:26	1
Total Dissolved Solids (SM 2540C)	<4.3		10	4.3	mg/L			03/17/25 00:37	1
Total Suspended Solids (SM 2540D)	<1.9		5.0	1.9	mg/L			03/17/25 13:43	1
Sulfide (SM 4500 S2 F)	<0.23		1.0	0.23	mg/L			03/18/25 01:12	1
Total Organic Carbon (SM 5310C)	<0.47		1.0	0.47	mg/L			03/24/25 00:06	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-265148-1

Client Sample ID: FB-01-SW_20250311_FBLL
Date Collected: 03/11/25 12:30
Date Received: 03/14/25 09:40

Lab Sample ID: 500-265148-8
Matrix: Water

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			04/01/25 19:04	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-265148-1

Client Sample ID: BNC-01_20250311

Date Collected: 03/11/25 10:50
Date Received: 03/14/25 09:40

Lab Sample ID: 500-265148-9

Matrix: Water

Method: EPA 1630 - Methyl Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	**0.038**	**J**	0.050	0.022	ng/L		04/02/25 10:54	04/02/25 21:30	1

Method: EPA 1630 - Methyl Mercury - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	**0.035**	**J**	0.050	0.022	ng/L		04/02/25 10:54	04/02/25 21:40	1

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**3.1**		0.50	0.20	ng/L			04/01/25 19:08	1

Method: EPA 1631E - Mercury, Low Level (CVAFS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**2.2**		0.50	0.20	ng/L			04/01/25 19:12	1

Method: EPA 1638 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.026**	**J**	0.050	0.0098	ug/L		04/02/25 11:35	04/02/25 17:13	1

Method: EPA 1638 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.023**	**J**	0.050	0.0098	ug/L		04/02/25 11:35	04/02/25 17:05	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**140**		100	25	ug/L		03/18/25 08:06	03/20/25 20:15	1
Antimony	<1.3		3.0	1.3	ug/L		03/18/25 08:06	03/20/25 20:15	1
Arsenic	**0.34**	**J**	1.0	0.23	ug/L		03/18/25 08:06	03/20/25 20:15	1
Barium	**61**		2.5	0.73	ug/L		03/18/25 08:06	03/20/25 20:15	1
Beryllium	<0.53		1.0	0.53	ug/L		03/18/25 08:06	03/20/25 20:15	1
Boron	**22**	**J**	50	13	ug/L		03/18/25 08:06	03/20/25 20:15	1
Cadmium	<0.17		0.50	0.17	ug/L		03/18/25 08:06	03/20/25 20:15	1
Calcium	**15000**		200	44	ug/L		03/18/25 08:06	03/20/25 20:15	1
Chromium	<1.1		5.0	1.1	ug/L		03/18/25 08:06	03/20/25 20:15	1
Cobalt	<0.40		1.0	0.40	ug/L		03/18/25 08:06	03/20/25 20:15	1
Copper	**16**	**B**	2.0	0.50	ug/L		03/18/25 08:06	03/27/25 11:29	1
Iron	**1300**		100	47	ug/L		03/18/25 08:06	03/20/25 20:15	1
Lead	<0.19		0.50	0.19	ug/L		03/18/25 08:06	03/20/25 20:15	1
Lithium	<2.5		10	2.5	ug/L		03/18/25 08:06	03/20/25 20:15	1
Magnesium	**2600**		200	49	ug/L		03/18/25 08:06	03/20/25 20:15	1
Manganese	**300**		2.5	0.79	ug/L		03/18/25 08:06	03/20/25 20:15	1
Molybdenum	<2.5		5.0	2.5	ug/L		03/18/25 08:06	03/20/25 20:15	1
Nickel	<0.63		2.0	0.63	ug/L		03/18/25 08:06	03/20/25 20:15	1
Potassium	**1900**		500	110	ug/L		03/18/25 08:06	03/20/25 20:15	1
Selenium	<0.98		2.5	0.98	ug/L		03/18/25 08:06	03/20/25 20:15	1
Silver	<0.12		0.50	0.12	ug/L		03/18/25 08:06	03/20/25 20:15	1
Sodium	**3400**		200	77	ug/L		03/18/25 08:06	03/20/25 20:15	1
Strontium	**59**		4.0	0.64	ug/L		03/18/25 08:06	03/20/25 20:15	1
Thallium	<0.57		2.0	0.57	ug/L		03/18/25 08:06	03/20/25 20:15	1
Tin	<1.3		5.0	1.3	ug/L		03/18/25 08:06	03/20/25 20:15	1
Vanadium	<2.2		5.0	2.2	ug/L		03/18/25 08:06	03/20/25 20:15	1
Zinc	<6.9		20	6.9	ug/L		03/18/25 08:06	03/20/25 20:15	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-265148-1

Client Sample ID: BNC-01_20250311

Date Collected: 03/11/25 10:50
Date Received: 03/14/25 09:40

Lab Sample ID: 500-265148-9

Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**41**	**J**	100	25	ug/L		03/18/25 08:06	03/20/25 20:17	1
Antimony	<1.3		3.0	1.3	ug/L		03/18/25 08:06	03/20/25 20:17	1
Arsenic	**0.34**	**J**	1.0	0.23	ug/L		03/18/25 08:06	03/20/25 20:17	1
Barium	**61**		2.5	0.73	ug/L		03/18/25 08:06	03/20/25 20:17	1
Beryllium	<0.53		1.0	0.53	ug/L		03/18/25 08:06	03/20/25 20:17	1
Boron	**20**	**J**	50	13	ug/L		03/18/25 08:06	03/20/25 20:17	1
Cadmium	<0.17		0.50	0.17	ug/L		03/18/25 08:06	03/20/25 20:17	1
Calcium	**15000**		200	44	ug/L		03/18/25 08:06	03/20/25 20:17	1
Chromium	<1.1		5.0	1.1	ug/L		03/18/25 08:06	03/20/25 20:17	1
Cobalt	<0.40		1.0	0.40	ug/L		03/18/25 08:06	03/20/25 20:17	1
Copper	**10**	**B**	2.0	0.50	ug/L		03/18/25 08:06	03/27/25 11:32	1
Iron	**740**		100	47	ug/L		03/18/25 08:06	03/20/25 20:17	1
Lead	<0.19		0.50	0.19	ug/L		03/18/25 08:06	03/20/25 20:17	1
Lithium	<2.5		10	2.5	ug/L		03/18/25 08:06	03/20/25 20:17	1
Magnesium	**2600**		200	49	ug/L		03/18/25 08:06	03/20/25 20:17	1
Manganese	**330**		2.5	0.79	ug/L		03/18/25 08:06	03/20/25 20:17	1
Molybdenum	<2.5		5.0	2.5	ug/L		03/18/25 08:06	03/20/25 20:17	1
Nickel	<0.63		2.0	0.63	ug/L		03/18/25 08:06	03/20/25 20:17	1
Potassium	**1800**		500	110	ug/L		03/18/25 08:06	03/20/25 20:17	1
Selenium	<0.98		2.5	0.98	ug/L		03/18/25 08:06	03/20/25 20:17	1
Silver	<0.12		0.50	0.12	ug/L		03/18/25 08:06	03/20/25 20:17	1
Sodium	**3500**		200	77	ug/L		03/18/25 08:06	03/20/25 20:17	1
Strontium	**63**		4.0	0.64	ug/L		03/18/25 08:06	03/20/25 20:17	1
Thallium	<0.57		2.0	0.57	ug/L		03/18/25 08:06	03/20/25 20:17	1
Tin	<1.3		5.0	1.3	ug/L		03/18/25 08:06	03/20/25 20:17	1
Vanadium	<2.2		5.0	2.2	ug/L		03/18/25 08:06	03/20/25 20:17	1
Zinc	<6.9		20	6.9	ug/L		03/18/25 08:06	03/20/25 20:17	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**48**		0.91	0.46	mg/L		03/18/25 08:06	03/21/25 08:55	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	<0.45		1.0	0.45	mg/L			03/14/25 22:57	1
Nitrate as N (EPA 300.0)	**1.7**	**H3**	1.0	0.37	mg/L			03/14/25 22:57	1
Chloride (EPA 300.0)	**8.5**		1.0	0.42	mg/L			03/14/25 22:57	1
Nitrite as N (EPA 300.0)	<0.25	H3	1.0	0.25	mg/L			03/14/25 22:57	1
Fluoride (EPA 300.0)	<0.43		1.0	0.43	mg/L			03/14/25 22:57	1
Nitrate Nitrite as N (EPA 300.0)	**1.7**	**H3**	1.0	0.37	mg/L			03/14/25 22:57	1
Sulfate (EPA 300.0)	**0.52**	**J**	1.0	0.47	mg/L			03/14/25 22:57	1
Cyanide, Total (EPA 335.4)	<0.0036		0.0050	0.0036	mg/L		03/16/25 12:10	03/16/25 14:17	1
Ammonia (EPA 350.1)	<0.10		0.20	0.10	mg/L		03/27/25 13:46	03/28/25 15:44	1
Phosphorus as P (EPA 365.1)	**0.032**	**J**	0.050	0.024	mg/L		03/18/25 08:57	03/18/25 15:23	1
Alkalinity (SM 2320B)	**44**	**B**	5.0	3.7	mg/L			03/20/25 12:48	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**44**	**B**	5.0	3.7	mg/L			03/20/25 12:48	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<3.7		5.0	3.7	mg/L			03/20/25 12:48	1
Salinity (SM 2520B)	<0.33		0.33	0.33	psu			03/27/25 10:26	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-265148-1

Client Sample ID: BNC-01_20250311
Date Collected: 03/11/25 10:50
Date Received: 03/14/25 09:40

Lab Sample ID: 500-265148-9
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	66		10	4.3	mg/L			03/17/25 00:40	1
Total Suspended Solids (SM 2540D)	5.4		5.0	1.9	mg/L			03/17/25 13:48	1
Sulfide (SM 4500 S2 F)	5.3		1.0	0.23	mg/L			03/18/25 01:16	1
Total Organic Carbon (SM 5310C)	12		1.0	0.47	mg/L			03/24/25 00:38	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon (SM 5310C)	11		1.0	0.47	mg/L			03/24/25 08:12	1

Client Sample Results

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-265148-1

Client Sample ID: BNC-01_20250311_FBLL
Date Collected: 03/11/25 10:50
Date Received: 03/14/25 09:40

Lab Sample ID: 500-265148-10
Matrix: Water

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			04/01/25 19:25	1

Definitions/Glossary

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-265148-1

Qualifiers

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
H3	Sample was received and analyzed past holding time. This does not meet regulatory requirements.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Metals

Analysis Batch: 5876

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-265148-1	MW-31_20250311	Dissolved	Water	1631E	
500-265148-1	MW-31_20250311	Total/NA	Water	1631E	
500-265148-2	MW-31_20250311_FBLL	Total/NA	Water	1631E	
500-265148-3	MLR-02_20250311	Dissolved	Water	1631E	
500-265148-3	MLR-02_20250311	Total/NA	Water	1631E	
500-265148-4	MLR-02_20250311_FBLL	Total/NA	Water	1631E	
MB 350-5876/27	Method Blank	Total/NA	Water	1631E	
MB 350-5876/28	Method Blank	Total/NA	Water	1631E	
MB 350-5876/29	Method Blank	Total/NA	Water	1631E	
LCS 350-5876/46	Lab Control Sample	Total/NA	Water	1631E	
LCSD 350-5876/47	Lab Control Sample Dup	Total/NA	Water	1631E	

Prep Batch: 5904

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-265148-1	MW-31_20250311	Dissolved	Water	1638	
500-265148-1	MW-31_20250311	Total Recoverable	Water	1638	
500-265148-3	MLR-02_20250311	Dissolved	Water	1638	
500-265148-3	MLR-02_20250311	Total Recoverable	Water	1638	
MB 350-5904/1-A	Method Blank	Total Recoverable	Water	1638	
MB 350-5904/2-A	Method Blank	Total Recoverable	Water	1638	
LCS 350-5904/3-A	Lab Control Sample	Total Recoverable	Water	1638	
LCSD 350-5904/4-A	Lab Control Sample Dup	Total Recoverable	Water	1638	

Prep Batch: 5922

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-265148-5	PNC-01_20250311	Dissolved	Water	1638	
500-265148-5	PNC-01_20250311	Total Recoverable	Water	1638	
500-265148-7	FB-01-SW_20250311	Total Recoverable	Water	1638	
500-265148-9	BNC-01_20250311	Dissolved	Water	1638	
500-265148-9	BNC-01_20250311	Total Recoverable	Water	1638	
MB 350-5922/1-A	Method Blank	Total Recoverable	Water	1638	
MB 350-5922/2-A	Method Blank	Total Recoverable	Water	1638	
LCS 350-5922/3-A	Lab Control Sample	Total Recoverable	Water	1638	
LCSD 350-5922/4-A	Lab Control Sample Dup	Total Recoverable	Water	1638	

Prep Batch: 5931

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-265148-1	MW-31_20250311	Dissolved	Water	1630	
500-265148-1	MW-31_20250311	Total/NA	Water	1630	
500-265148-3	MLR-02_20250311	Dissolved	Water	1630	
500-265148-3	MLR-02_20250311	Total/NA	Water	1630	
500-265148-5	PNC-01_20250311	Dissolved	Water	1630	
500-265148-5	PNC-01_20250311	Total/NA	Water	1630	
500-265148-7	FB-01-SW_20250311	Total/NA	Water	1630	
500-265148-9	BNC-01_20250311	Dissolved	Water	1630	
500-265148-9	BNC-01_20250311	Total/NA	Water	1630	
MB 350-5931/1-A	Method Blank	Total/NA	Water	1630	
MB 350-5931/2-A	Method Blank	Total/NA	Water	1630	
MB 350-5931/3-A	Method Blank	Total/NA	Water	1630	
LCS 350-5931/4-A	Lab Control Sample	Total/NA	Water	1630	
LCSD 350-5931/5-A	Lab Control Sample Dup	Total/NA	Water	1630	

Metals (Continued)

Prep Batch: 5931 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-265148-3 MS	MLR-02_20250311	Total/NA	Water	1630	
500-265148-3 MSD	MLR-02_20250311	Total/NA	Water	1630	

Analysis Batch: 5932

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-265148-5	PNC-01_20250311	Dissolved	Water	1631E	
500-265148-5	PNC-01_20250311	Total/NA	Water	1631E	
500-265148-6	PNC-01_20250311_FBLL	Total/NA	Water	1631E	
500-265148-7	FB-01-SW_20250311	Total/NA	Water	1631E	
500-265148-8	FB-01-SW_20250311_FBLL	Total/NA	Water	1631E	
500-265148-9	BNC-01_20250311	Dissolved	Water	1631E	
500-265148-9	BNC-01_20250311	Total/NA	Water	1631E	
500-265148-10	BNC-01_20250311_FBLL	Total/NA	Water	1631E	
MB 350-5932/97	Method Blank	Total/NA	Water	1631E	
MB 350-5932/98	Method Blank	Total/NA	Water	1631E	
MB 350-5932/99	Method Blank	Total/NA	Water	1631E	
LCS 350-5932/100	Lab Control Sample	Total/NA	Water	1631E	
LCSD 350-5932/101	Lab Control Sample Dup	Total/NA	Water	1631E	

Analysis Batch: 5943

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-265148-1	MW-31_20250311	Dissolved	Water	1638	5904
500-265148-1	MW-31_20250311	Total Recoverable	Water	1638	5904
500-265148-3	MLR-02_20250311	Dissolved	Water	1638	5904
500-265148-3	MLR-02_20250311	Total Recoverable	Water	1638	5904
MB 350-5904/1-A	Method Blank	Total Recoverable	Water	1638	5904
MB 350-5904/2-A	Method Blank	Total Recoverable	Water	1638	5904
LCS 350-5904/3-A	Lab Control Sample	Total Recoverable	Water	1638	5904
LCSD 350-5904/4-A	Lab Control Sample Dup	Total Recoverable	Water	1638	5904

Analysis Batch: 5963

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-265148-1	MW-31_20250311	Dissolved	Water	1630	5931
500-265148-1	MW-31_20250311	Total/NA	Water	1630	5931
500-265148-3	MLR-02_20250311	Dissolved	Water	1630	5931
500-265148-3	MLR-02_20250311	Total/NA	Water	1630	5931
500-265148-5	PNC-01_20250311	Dissolved	Water	1630	5931
500-265148-5	PNC-01_20250311	Total/NA	Water	1630	5931
500-265148-7	FB-01-SW_20250311	Total/NA	Water	1630	5931
500-265148-9	BNC-01_20250311	Dissolved	Water	1630	5931
500-265148-9	BNC-01_20250311	Total/NA	Water	1630	5931
MB 350-5931/1-A	Method Blank	Total/NA	Water	1630	5931
MB 350-5931/2-A	Method Blank	Total/NA	Water	1630	5931
MB 350-5931/3-A	Method Blank	Total/NA	Water	1630	5931
LCS 350-5931/4-A	Lab Control Sample	Total/NA	Water	1630	5931
LCSD 350-5931/5-A	Lab Control Sample Dup	Total/NA	Water	1630	5931
500-265148-3 MS	MLR-02_20250311	Total/NA	Water	1630	5931
500-265148-3 MSD	MLR-02_20250311	Total/NA	Water	1630	5931

Metals

Analysis Batch: 5967

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-265148-5	PNC-01_20250311	Dissolved	Water	1638	5922
500-265148-5	PNC-01_20250311	Total Recoverable	Water	1638	5922
500-265148-7	FB-01-SW_20250311	Total Recoverable	Water	1638	5922
500-265148-9	BNC-01_20250311	Dissolved	Water	1638	5922
500-265148-9	BNC-01_20250311	Total Recoverable	Water	1638	5922
MB 350-5922/1-A	Method Blank	Total Recoverable	Water	1638	5922
MB 350-5922/2-A	Method Blank	Total Recoverable	Water	1638	5922
LCS 350-5922/3-A	Lab Control Sample	Total Recoverable	Water	1638	5922
LCSD 350-5922/4-A	Lab Control Sample Dup	Total Recoverable	Water	1638	5922

Prep Batch: 810213

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-265148-1	MW-31_20250311	Dissolved	Water	3005A	
500-265148-1	MW-31_20250311	Total Recoverable	Water	3005A	
500-265148-3	MLR-02_20250311	Dissolved	Water	3005A	
500-265148-3	MLR-02_20250311	Total Recoverable	Water	3005A	
500-265148-5	PNC-01_20250311	Dissolved	Water	3005A	
500-265148-5	PNC-01_20250311	Total Recoverable	Water	3005A	
500-265148-7	FB-01-SW_20250311	Total Recoverable	Water	3005A	
500-265148-9	BNC-01_20250311	Dissolved	Water	3005A	
500-265148-9	BNC-01_20250311	Total Recoverable	Water	3005A	
MB 500-810213/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 500-810213/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Analysis Batch: 810733

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-265148-1	MW-31_20250311	Dissolved	Water	6020B	810213
500-265148-1	MW-31_20250311	Total Recoverable	Water	6020B	810213
500-265148-3	MLR-02_20250311	Dissolved	Water	6020B	810213
500-265148-3	MLR-02_20250311	Total Recoverable	Water	6020B	810213
500-265148-5	PNC-01_20250311	Dissolved	Water	6020B	810213
500-265148-5	PNC-01_20250311	Total Recoverable	Water	6020B	810213
500-265148-7	FB-01-SW_20250311	Total Recoverable	Water	6020B	810213
500-265148-9	BNC-01_20250311	Dissolved	Water	6020B	810213
500-265148-9	BNC-01_20250311	Total Recoverable	Water	6020B	810213
MB 500-810213/1-A	Method Blank	Total Recoverable	Water	6020B	810213
LCS 500-810213/2-A	Lab Control Sample	Total Recoverable	Water	6020B	810213

Analysis Batch: 810756

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-265148-1	MW-31_20250311	Total Recoverable	Water	SM 2340B	810213
500-265148-3	MLR-02_20250311	Total Recoverable	Water	SM 2340B	810213
500-265148-5	PNC-01_20250311	Total Recoverable	Water	SM 2340B	810213
500-265148-7	FB-01-SW_20250311	Total Recoverable	Water	SM 2340B	810213
500-265148-9	BNC-01_20250311	Total Recoverable	Water	SM 2340B	810213

Analysis Batch: 811548

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-265148-1	MW-31_20250311	Dissolved	Water	6020B	810213
500-265148-1	MW-31_20250311	Total Recoverable	Water	6020B	810213
500-265148-3	MLR-02_20250311	Dissolved	Water	6020B	810213

Metals (Continued)

Analysis Batch: 811548 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-265148-3	MLR-02_20250311	Total Recoverable	Water	6020B	810213
500-265148-5	PNC-01_20250311	Dissolved	Water	6020B	810213
500-265148-5	PNC-01_20250311	Total Recoverable	Water	6020B	810213
500-265148-7	FB-01-SW_20250311	Total Recoverable	Water	6020B	810213
500-265148-9	BNC-01_20250311	Dissolved	Water	6020B	810213
500-265148-9	BNC-01_20250311	Total Recoverable	Water	6020B	810213
MB 500-810213/1-A	Method Blank	Total Recoverable	Water	6020B	810213
LCS 500-810213/2-A	Lab Control Sample	Total Recoverable	Water	6020B	810213

General Chemistry

Analysis Batch: 809977

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-265148-1	MW-31_20250311	Total/NA	Water	300.0	
500-265148-3	MLR-02_20250311	Total/NA	Water	300.0	
500-265148-5	PNC-01_20250311	Total/NA	Water	300.0	
500-265148-7	FB-01-SW_20250311	Total/NA	Water	300.0	
500-265148-9	BNC-01_20250311	Total/NA	Water	300.0	
MB 500-809977/3	Method Blank	Total/NA	Water	300.0	
LCS 500-809977/4	Lab Control Sample	Total/NA	Water	300.0	

Analysis Batch: 809978

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-265148-1	MW-31_20250311	Total/NA	Water	300.0	
500-265148-3	MLR-02_20250311	Total/NA	Water	300.0	
500-265148-5	PNC-01_20250311	Total/NA	Water	300.0	
500-265148-7	FB-01-SW_20250311	Total/NA	Water	300.0	
500-265148-9	BNC-01_20250311	Total/NA	Water	300.0	
MB 500-809978/3	Method Blank	Total/NA	Water	300.0	
LCS 500-809978/4	Lab Control Sample	Total/NA	Water	300.0	

Prep Batch: 810023

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-265148-1	MW-31_20250311	Total/NA	Water	Distill/CN	
500-265148-3	MLR-02_20250311	Total/NA	Water	Distill/CN	
500-265148-5	PNC-01_20250311	Total/NA	Water	Distill/CN	
500-265148-7	FB-01-SW_20250311	Total/NA	Water	Distill/CN	
500-265148-9	BNC-01_20250311	Total/NA	Water	Distill/CN	
MB 500-810023/1-A	Method Blank	Total/NA	Water	Distill/CN	
LCS 500-810023/2-A	Lab Control Sample	Total/NA	Water	Distill/CN	

Analysis Batch: 810029

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-265148-1	MW-31_20250311	Total/NA	Water	SM 2540C	
500-265148-3	MLR-02_20250311	Total/NA	Water	SM 2540C	
500-265148-5	PNC-01_20250311	Total/NA	Water	SM 2540C	
500-265148-7	FB-01-SW_20250311	Total/NA	Water	SM 2540C	
500-265148-9	BNC-01_20250311	Total/NA	Water	SM 2540C	
MB 500-810029/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-810029/2	Lab Control Sample	Total/NA	Water	SM 2540C	

General Chemistry

Analysis Batch: 810030

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-265148-1	MW-31_20250311	Total/NA	Water	SM 4500 S2 F	
500-265148-3	MLR-02_20250311	Total/NA	Water	SM 4500 S2 F	
500-265148-5	PNC-01_20250311	Total/NA	Water	SM 4500 S2 F	
MB 500-810030/1	Method Blank	Total/NA	Water	SM 4500 S2 F	
LCS 500-810030/2	Lab Control Sample	Total/NA	Water	SM 4500 S2 F	

Analysis Batch: 810059

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-265148-1	MW-31_20250311	Total/NA	Water	335.4	810023
500-265148-3	MLR-02_20250311	Total/NA	Water	335.4	810023
500-265148-5	PNC-01_20250311	Total/NA	Water	335.4	810023
500-265148-7	FB-01-SW_20250311	Total/NA	Water	335.4	810023
500-265148-9	BNC-01_20250311	Total/NA	Water	335.4	810023
MB 500-810023/1-A	Method Blank	Total/NA	Water	335.4	810023
LCS 500-810023/2-A	Lab Control Sample	Total/NA	Water	335.4	810023

Analysis Batch: 810138

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-265148-1	MW-31_20250311	Total/NA	Water	SM 2540D	
500-265148-3	MLR-02_20250311	Total/NA	Water	SM 2540D	
500-265148-5	PNC-01_20250311	Total/NA	Water	SM 2540D	
500-265148-7	FB-01-SW_20250311	Total/NA	Water	SM 2540D	
500-265148-9	BNC-01_20250311	Total/NA	Water	SM 2540D	
MB 500-810138/1	Method Blank	Total/NA	Water	SM 2540D	
LCS 500-810138/2	Lab Control Sample	Total/NA	Water	SM 2540D	
500-265148-7 MS	FB-01-SW_20250311	Total/NA	Water	SM 2540D	

Analysis Batch: 810183

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-265148-7	FB-01-SW_20250311	Total/NA	Water	SM 4500 S2 F	
500-265148-9	BNC-01_20250311	Total/NA	Water	SM 4500 S2 F	
MB 500-810183/1	Method Blank	Total/NA	Water	SM 4500 S2 F	
LCS 500-810183/2	Lab Control Sample	Total/NA	Water	SM 4500 S2 F	

Prep Batch: 810241

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-265148-1	MW-31_20250311	Total/NA	Water	365.2/365.3/365	
500-265148-3	MLR-02_20250311	Total/NA	Water	365.2/365.3/365	
500-265148-5	PNC-01_20250311	Total/NA	Water	365.2/365.3/365	
500-265148-7	FB-01-SW_20250311	Total/NA	Water	365.2/365.3/365	
500-265148-9	BNC-01_20250311	Total/NA	Water	365.2/365.3/365	
MB 500-810241/1-A	Method Blank	Total/NA	Water	365.2/365.3/365	
LCS 500-810241/2-A	Lab Control Sample	Total/NA	Water	365.2/365.3/365	
500-265148-7 MS	FB-01-SW_20250311	Total/NA	Water	365.2/365.3/365	
500-265148-Q-7-C MSD	500-265148-Q-7-C MSD	Total/NA	Water	365.2/365.3/365	

Analysis Batch: 810334

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-265148-1	MW-31_20250311	Total/NA	Water	365.1	810241
500-265148-3	MLR-02_20250311	Total/NA	Water	365.1	810241
500-265148-5	PNC-01_20250311	Total/NA	Water	365.1	810241

General Chemistry (Continued)

Analysis Batch: 810334 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-265148-7	FB-01-SW_20250311	Total/NA	Water	365.1	810241
500-265148-9	BNC-01_20250311	Total/NA	Water	365.1	810241
MB 500-810241/1-A	Method Blank	Total/NA	Water	365.1	810241
LCS 500-810241/2-A	Lab Control Sample	Total/NA	Water	365.1	810241
500-265148-7 MS	FB-01-SW_20250311	Total/NA	Water	365.1	810241
500-265148-Q-7-C MSD	500-265148-Q-7-C MSD	Total/NA	Water	365.1	810241

Analysis Batch: 810684

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-265148-1	MW-31_20250311	Total/NA	Water	SM 2320B	
500-265148-3	MLR-02_20250311	Total/NA	Water	SM 2320B	
500-265148-5	PNC-01_20250311	Total/NA	Water	SM 2320B	
500-265148-9	BNC-01_20250311	Total/NA	Water	SM 2320B	
MB 500-810684/28	Method Blank	Total/NA	Water	SM 2320B	
LCS 500-810684/29	Lab Control Sample	Total/NA	Water	SM 2320B	

Analysis Batch: 810900

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-265148-7	FB-01-SW_20250311	Total/NA	Water	SM 2320B	
MB 500-810900/2	Method Blank	Total/NA	Water	SM 2320B	
LCS 500-810900/3	Lab Control Sample	Total/NA	Water	SM 2320B	

Analysis Batch: 810987

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-265148-1	MW-31_20250311	Total/NA	Water	SM 5310C	
500-265148-3	MLR-02_20250311	Total/NA	Water	SM 5310C	
500-265148-5	PNC-01_20250311	Total/NA	Water	SM 5310C	
500-265148-7	FB-01-SW_20250311	Total/NA	Water	SM 5310C	
500-265148-9	BNC-01_20250311	Total/NA	Water	SM 5310C	
MB 500-810987/7	Method Blank	Total/NA	Water	SM 5310C	
LCS 500-810987/8	Lab Control Sample	Total/NA	Water	SM 5310C	

Analysis Batch: 811081

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-265148-1	MW-31_20250311	Dissolved	Water	SM 5310C	
500-265148-3	MLR-02_20250311	Dissolved	Water	SM 5310C	
500-265148-5	PNC-01_20250311	Dissolved	Water	SM 5310C	
500-265148-9	BNC-01_20250311	Dissolved	Water	SM 5310C	
MB 500-811081/31	Method Blank	Dissolved	Water	SM 5310C	
LCS 500-811081/32	Lab Control Sample	Dissolved	Water	SM 5310C	

Analysis Batch: 811476

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-265148-1	MW-31_20250311	Total/NA	Water	SM 2520B	
500-265148-3	MLR-02_20250311	Total/NA	Water	SM 2520B	
500-265148-5	PNC-01_20250311	Total/NA	Water	SM 2520B	
500-265148-7	FB-01-SW_20250311	Total/NA	Water	SM 2520B	
500-265148-9	BNC-01_20250311	Total/NA	Water	SM 2520B	

QC Association Summary

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-265148-1

General Chemistry

Prep Batch: 811508

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-265148-1	MW-31_20250311	Total/NA	Water	Distill/Ammonia	
500-265148-3	MLR-02_20250311	Total/NA	Water	Distill/Ammonia	
500-265148-5	PNC-01_20250311	Total/NA	Water	Distill/Ammonia	
500-265148-7	FB-01-SW_20250311	Total/NA	Water	Distill/Ammonia	
500-265148-9	BNC-01_20250311	Total/NA	Water	Distill/Ammonia	
MB 500-811508/1-A	Method Blank	Total/NA	Water	Distill/Ammonia	
LCS 500-811508/2-A	Lab Control Sample	Total/NA	Water	Distill/Ammonia	

Analysis Batch: 811719

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-265148-1	MW-31_20250311	Total/NA	Water	350.1	811508
500-265148-3	MLR-02_20250311	Total/NA	Water	350.1	811508
500-265148-5	PNC-01_20250311	Total/NA	Water	350.1	811508
500-265148-7	FB-01-SW_20250311	Total/NA	Water	350.1	811508
500-265148-9	BNC-01_20250311	Total/NA	Water	350.1	811508
MB 500-811508/1-A	Method Blank	Total/NA	Water	350.1	811508
LCS 500-811508/2-A	Lab Control Sample	Total/NA	Water	350.1	811508

Method: 1630 - Methyl Mercury

Lab Sample ID: MB 350-5931/1-A
Matrix: Water
Analysis Batch: 5963

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 5931

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		04/02/25 10:54	04/02/25 16:34	1

Lab Sample ID: MB 350-5931/2-A
Matrix: Water
Analysis Batch: 5963

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 5931

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		04/02/25 10:54	04/02/25 16:44	1

Lab Sample ID: MB 350-5931/3-A
Matrix: Water
Analysis Batch: 5963

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 5931

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		04/02/25 10:54	04/02/25 16:55	1

Lab Sample ID: LCS 350-5931/4-A
Matrix: Water
Analysis Batch: 5963

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 5931

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Methyl Mercury			1.00	0.674		ng/L		67	65 - 135		

Lab Sample ID: LCSD 350-5931/5-A
Matrix: Water
Analysis Batch: 5963

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 5931

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Methyl Mercury			1.00	0.922		ng/L		92	65 - 135	31	35

Lab Sample ID: 500-265148-3 MS
Matrix: Water
Analysis Batch: 5963

Client Sample ID: MLR-02_20250311
Prep Type: Total/NA
Prep Batch: 5931

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Methyl Mercury	0.052		1.00	1.04		ng/L		99	65 - 135		

Lab Sample ID: 500-265148-3 MSD
Matrix: Water
Analysis Batch: 5963

Client Sample ID: MLR-02_20250311
Prep Type: Total/NA
Prep Batch: 5931

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Methyl Mercury	0.052		1.00	0.749		ng/L		70	65 - 135	33	35

Method: 1631E - Mercury, Low Level (CVAFS)

Lab Sample ID: MB 350-5876/27
Matrix: Water
Analysis Batch: 5876

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			03/28/25 12:29	1

Lab Sample ID: MB 350-5876/28
Matrix: Water
Analysis Batch: 5876

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			03/28/25 12:33	1

Lab Sample ID: MB 350-5876/29
Matrix: Water
Analysis Batch: 5876

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			03/28/25 12:37	1

Lab Sample ID: LCS 350-5876/46
Matrix: Water
Analysis Batch: 5876

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	5.00	4.78		ng/L		96	77 - 123

Lab Sample ID: LCSD 350-5876/47
Matrix: Water
Analysis Batch: 5876

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	5.00	4.74		ng/L		95	77 - 123	1	24

Lab Sample ID: MB 350-5932/97
Matrix: Water
Analysis Batch: 5932

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			04/01/25 17:54	1

Lab Sample ID: MB 350-5932/98
Matrix: Water
Analysis Batch: 5932

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			04/01/25 17:58	1

Lab Sample ID: MB 350-5932/99
Matrix: Water
Analysis Batch: 5932

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			04/01/25 18:02	1

Method: 1631E - Mercury, Low Level (CVAFS)

Lab Sample ID: LCS 350-5932/100
Matrix: Water
Analysis Batch: 5932

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	5.00	4.80		ng/L		96	77 - 123

Lab Sample ID: LCSD 350-5932/101
Matrix: Water
Analysis Batch: 5932

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	5.00	4.59		ng/L		92	77 - 123	4	24

Method: 1638 - Metals (ICP/MS)

Lab Sample ID: MB 350-5904/1-A
Matrix: Water
Analysis Batch: 5943

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 5904

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	<0.0098		0.050	0.0098	ug/L		03/31/25 18:15	04/01/25 17:47	1

Lab Sample ID: MB 350-5904/2-A
Matrix: Water
Analysis Batch: 5943

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 5904

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	<0.0098		0.050	0.0098	ug/L		03/31/25 18:15	04/01/25 17:52	1

Lab Sample ID: LCS 350-5904/3-A
Matrix: Water
Analysis Batch: 5943

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 5904

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Uranium	25.0	23.0		ug/L		92	85 - 115

Lab Sample ID: LCSD 350-5904/4-A
Matrix: Water
Analysis Batch: 5943

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 5904

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Uranium	25.0	27.4		ug/L		110	85 - 115	17	20

Lab Sample ID: MB 350-5922/1-A
Matrix: Water
Analysis Batch: 5967

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 5922

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	<0.0098		0.050	0.0098	ug/L		04/02/25 11:35	04/02/25 16:12	1

Method: 1638 - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 350-5922/2-A
Matrix: Water
Analysis Batch: 5967

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 5922

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	<0.0098		0.050	0.0098	ug/L		04/02/25 11:35	04/02/25 16:16	1

Lab Sample ID: LCS 350-5922/3-A
Matrix: Water
Analysis Batch: 5967

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 5922

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Uranium	50.0	47.4		ug/L		95	85 - 115

Lab Sample ID: LCSD 350-5922/4-A
Matrix: Water
Analysis Batch: 5967

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 5922

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Uranium	50.0	47.8		ug/L		96	85 - 115	1	20

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 500-810213/1-A
Matrix: Water
Analysis Batch: 810733

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 810213

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<25		100	25	ug/L		03/18/25 08:06	03/20/25 19:41	1
Antimony	<1.3		3.0	1.3	ug/L		03/18/25 08:06	03/20/25 19:41	1
Arsenic	<0.23		1.0	0.23	ug/L		03/18/25 08:06	03/20/25 19:41	1
Barium	<0.73		2.5	0.73	ug/L		03/18/25 08:06	03/20/25 19:41	1
Beryllium	<0.53		1.0	0.53	ug/L		03/18/25 08:06	03/20/25 19:41	1
Boron	<13		50	13	ug/L		03/18/25 08:06	03/20/25 19:41	1
Cadmium	<0.17		0.50	0.17	ug/L		03/18/25 08:06	03/20/25 19:41	1
Calcium	<44		200	44	ug/L		03/18/25 08:06	03/20/25 19:41	1
Chromium	<1.1		5.0	1.1	ug/L		03/18/25 08:06	03/20/25 19:41	1
Cobalt	<0.40		1.0	0.40	ug/L		03/18/25 08:06	03/20/25 19:41	1
Iron	<47		100	47	ug/L		03/18/25 08:06	03/20/25 19:41	1
Lead	<0.19		0.50	0.19	ug/L		03/18/25 08:06	03/20/25 19:41	1
Lithium	<2.5		10	2.5	ug/L		03/18/25 08:06	03/20/25 19:41	1
Magnesium	<49		200	49	ug/L		03/18/25 08:06	03/20/25 19:41	1
Manganese	<0.79		2.5	0.79	ug/L		03/18/25 08:06	03/20/25 19:41	1
Molybdenum	<2.5		5.0	2.5	ug/L		03/18/25 08:06	03/20/25 19:41	1
Nickel	<0.63		2.0	0.63	ug/L		03/18/25 08:06	03/20/25 19:41	1
Potassium	<110		500	110	ug/L		03/18/25 08:06	03/20/25 19:41	1
Selenium	<0.98		2.5	0.98	ug/L		03/18/25 08:06	03/20/25 19:41	1
Silver	<0.12		0.50	0.12	ug/L		03/18/25 08:06	03/20/25 19:41	1
Sodium	<77		200	77	ug/L		03/18/25 08:06	03/20/25 19:41	1
Strontium	<0.64		4.0	0.64	ug/L		03/18/25 08:06	03/20/25 19:41	1
Thallium	<0.57		2.0	0.57	ug/L		03/18/25 08:06	03/20/25 19:41	1
Tin	<1.3		5.0	1.3	ug/L		03/18/25 08:06	03/20/25 19:41	1
Vanadium	<2.2		5.0	2.2	ug/L		03/18/25 08:06	03/20/25 19:41	1
Zinc	<6.9		20	6.9	ug/L		03/18/25 08:06	03/20/25 19:41	1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 500-810213/1-A
Matrix: Water
Analysis Batch: 811548

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 810213

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	0.537	J	2.0	0.50	ug/L		03/18/25 08:06	03/27/25 11:00	1

Lab Sample ID: LCS 500-810213/2-A
Matrix: Water
Analysis Batch: 810733

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 810213

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	2000	1990		ug/L		100	80 - 120
Antimony	500	521		ug/L		104	80 - 120
Arsenic	100	100		ug/L		100	80 - 120
Barium	500	521		ug/L		104	80 - 120
Beryllium	50.0	48.5		ug/L		97	80 - 120
Boron	1000	990		ug/L		99	80 - 120
Cadmium	50.0	51.1		ug/L		102	80 - 120
Calcium	10000	8820		ug/L		88	80 - 120
Chromium	200	203		ug/L		102	80 - 120
Cobalt	500	534		ug/L		107	80 - 120
Iron	1000	1040		ug/L		104	80 - 120
Lead	100	103		ug/L		103	80 - 120
Lithium	100	102		ug/L		102	80 - 120
Magnesium	10000	10800		ug/L		108	80 - 120
Manganese	500	528		ug/L		106	80 - 120
Molybdenum	1000	1010		ug/L		101	80 - 120
Nickel	500	557		ug/L		111	80 - 120
Potassium	10000	10900		ug/L		109	80 - 120
Selenium	100	104		ug/L		104	80 - 120
Silver	50.0	52.0		ug/L		104	80 - 120
Sodium	10000	10600		ug/L		106	80 - 120
Strontium	1000	1040		ug/L		104	80 - 120
Thallium	100	105		ug/L		105	80 - 120
Tin	1000	1030		ug/L		103	80 - 120
Vanadium	500	506		ug/L		101	80 - 120
Zinc	500	512		ug/L		102	80 - 120

Lab Sample ID: LCS 500-810213/2-A
Matrix: Water
Analysis Batch: 811548

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 810213

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Copper	250	274		ug/L		109	80 - 120

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 500-809977/3
Matrix: Water
Analysis Batch: 809977

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	<0.45		1.0	0.45	mg/L			03/14/25 19:38	1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: MB 500-809977/3
Matrix: Water
Analysis Batch: 809977

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.42		1.0	0.42	mg/L			03/14/25 19:38	1
Fluoride	<0.43		1.0	0.43	mg/L			03/14/25 19:38	1
Sulfate	<0.47		1.0	0.47	mg/L			03/14/25 19:38	1

Lab Sample ID: LCS 500-809977/4
Matrix: Water
Analysis Batch: 809977

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bromide	20.0	18.8		mg/L		94	90 - 110
Chloride	100	103		mg/L		103	90 - 110
Fluoride	20.0	19.4		mg/L		97	90 - 110
Sulfate	100	105		mg/L		105	90 - 110

Lab Sample ID: MB 500-809978/3
Matrix: Water
Analysis Batch: 809978

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	<0.37		1.0	0.37	mg/L			03/14/25 19:38	1
Nitrite as N	<0.25		1.0	0.25	mg/L			03/14/25 19:38	1
Nitrate Nitrite as N	<0.37		1.0	0.37	mg/L			03/14/25 19:38	1

Lab Sample ID: LCS 500-809978/4
Matrix: Water
Analysis Batch: 809978

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate as N	20.0	21.6		mg/L		108	90 - 110
Nitrite as N	20.0	20.8		mg/L		104	90 - 110
Nitrate Nitrite as N	40.0	42.4		mg/L		106	90 - 110

Method: 335.4 - Cyanide, Total

Lab Sample ID: MB 500-810023/1-A
Matrix: Water
Analysis Batch: 810059

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 810023

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.0036		0.0050	0.0036	mg/L		03/16/25 12:10	03/16/25 13:30	1

Lab Sample ID: LCS 500-810023/2-A
Matrix: Water
Analysis Batch: 810059

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 810023

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.100	0.107		mg/L		107	90 - 110

Method: 350.1 - Nitrogen, Ammonia

Lab Sample ID: MB 500-811508/1-A
Matrix: Water
Analysis Batch: 811719

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 811508

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	<0.10		0.20	0.10	mg/L		03/27/25 13:46	03/28/25 15:38	1

Lab Sample ID: LCS 500-811508/2-A
Matrix: Water
Analysis Batch: 811719

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 811508

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ammonia	2.00	2.11		mg/L		106	90 - 110

Method: 365.1 - Phosphorus, Total

Lab Sample ID: MB 500-810241/1-A
Matrix: Water
Analysis Batch: 810334

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 810241

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phosphorus as P	<0.024		0.050	0.024	mg/L		03/18/25 08:57	03/18/25 15:14	1

Lab Sample ID: LCS 500-810241/2-A
Matrix: Water
Analysis Batch: 810334

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 810241

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Phosphorus as P	1.00	0.896		mg/L		90	88 - 123

Lab Sample ID: 500-265148-7 MS
Matrix: Water
Analysis Batch: 810334

Client Sample ID: FB-01-SW_20250311
Prep Type: Total/NA
Prep Batch: 810241

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Phosphorus as P	<0.024		1.00	0.915		mg/L		92	75 - 125

Lab Sample ID: 500-265148-Q-7-C MSD
Matrix: Water
Analysis Batch: 810334

Client Sample ID: 500-265148-Q-7-C MSD
Prep Type: Total/NA
Prep Batch: 810241

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Phosphorus as P	<0.024		1.00	0.919		mg/L		92	75 - 125	0	20

Method: SM 2320B - Alkalinity

Lab Sample ID: MB 500-810684/28
Matrix: Water
Analysis Batch: 810684

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	3.99	J	5.0	3.7	mg/L			03/20/25 14:23	1
Bicarbonate Alkalinity as CaCO3	3.99	J	5.0	3.7	mg/L			03/20/25 14:23	1
Carbonate Alkalinity as CaCO3	<3.7		5.0	3.7	mg/L			03/20/25 14:23	1

Method: SM 2320B - Alkalinity (Continued)

Lab Sample ID: LCS 500-810684/29
Matrix: Water
Analysis Batch: 810684

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Alkalinity	100	107		mg/L		107	95 - 121

Lab Sample ID: MB 500-810900/2
Matrix: Water
Analysis Batch: 810900

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	<3.7		5.0	3.7	mg/L			03/21/25 16:36	1
Bicarbonate Alkalinity as CaCO3	<3.7		5.0	3.7	mg/L			03/21/25 16:36	1
Carbonate Alkalinity as CaCO3	<3.7		5.0	3.7	mg/L			03/21/25 16:36	1

Lab Sample ID: LCS 500-810900/3
Matrix: Water
Analysis Batch: 810900

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Alkalinity	100	106		mg/L		106	95 - 121

Method: SM 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 500-810029/1
Matrix: Water
Analysis Batch: 810029

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<4.3		10	4.3	mg/L			03/17/25 00:22	1

Lab Sample ID: LCS 500-810029/2
Matrix: Water
Analysis Batch: 810029

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	250	248		mg/L		99	80 - 120

Method: SM 2540D - Solids, Total Suspended (TSS)

Lab Sample ID: MB 500-810138/1
Matrix: Water
Analysis Batch: 810138

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	<1.9		5.0	1.9	mg/L			03/17/25 13:14	1

Lab Sample ID: LCS 500-810138/2
Matrix: Water
Analysis Batch: 810138

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Suspended Solids	200	180		mg/L		90	80 - 120

Method: SM 2540D - Solids, Total Suspended (TSS) (Continued)

Lab Sample ID: 500-265148-7 MS
Matrix: Water
Analysis Batch: 810138

Client Sample ID: FB-01-SW_20250311
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Total Suspended Solids	<1.9		100	85.0		mg/L		85	75 - 125

Method: SM 4500 S2 F - Sulfide, Total

Lab Sample ID: MB 500-810030/1
Matrix: Water
Analysis Batch: 810030

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	<0.23		1.0	0.23	mg/L			03/17/25 02:09	1

Lab Sample ID: LCS 500-810030/2
Matrix: Water
Analysis Batch: 810030

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfide	3.97	3.70		mg/L		93	85 - 115

Lab Sample ID: MB 500-810183/1
Matrix: Water
Analysis Batch: 810183

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	<0.23		1.0	0.23	mg/L			03/18/25 00:20	1

Lab Sample ID: LCS 500-810183/2
Matrix: Water
Analysis Batch: 810183

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfide	3.97	3.83		mg/L		96	85 - 115

Method: SM 5310C - TOC

Lab Sample ID: MB 500-810987/7
Matrix: Water
Analysis Batch: 810987

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	<0.47		1.0	0.47	mg/L			03/23/25 13:21	1

Lab Sample ID: LCS 500-810987/8
Matrix: Water
Analysis Batch: 810987

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Organic Carbon	10.0	9.31		mg/L		93	86 - 116

Method: SM 5310C - Organic Carbon, Dissolved (DOC)

Lab Sample ID: MB 500-811081/31
Matrix: Water
Analysis Batch: 811081

Client Sample ID: Method Blank
Prep Type: Dissolved

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon	<0.47		1.0	0.47	mg/L			03/24/25 01:51	1

Lab Sample ID: LCS 500-811081/32
Matrix: Water
Analysis Batch: 811081

Client Sample ID: Lab Control Sample
Prep Type: Dissolved

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Dissolved Organic Carbon			10.0	9.47		mg/L		95	86 - 116		

Lab Chronicle

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-265148-1

Client Sample ID: MW-31_20250311

Lab Sample ID: 500-265148-1

Date Collected: 03/11/25 14:00

Matrix: Water

Date Received: 03/14/25 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	1630			5931	JS	EET SSM	04/02/25 10:54
Dissolved	Analysis	1630		1	5963	COW	EET SSM	04/02/25 20:39
Total/NA	Prep	1630			5931	JS	EET SSM	04/02/25 10:54
Total/NA	Analysis	1630		1	5963	COW	EET SSM	04/02/25 20:08
Dissolved	Analysis	1631E		1	5876	CL	EET SSM	03/28/25 18:13
Total/NA	Analysis	1631E		1	5876	CL	EET SSM	03/28/25 18:09
Dissolved	Prep	1638			5904	CL	EET SSM	03/31/25 18:15
Dissolved	Analysis	1638		1	5943	V1R	EET SSM	04/01/25 19:42
Total Recoverable	Prep	1638			5904	CL	EET SSM	03/31/25 18:15
Total Recoverable	Analysis	1638		1	5943	V1R	EET SSM	04/01/25 19:46
Dissolved	Prep	3005A			810213	BDE	EET CHI	03/18/25 08:06 - 03/18/25 14:06 [1]
Dissolved	Analysis	6020B		1	811548	S1Z	EET CHI	03/27/25 11:10
Dissolved	Prep	3005A			810213	BDE	EET CHI	03/18/25 08:06 - 03/18/25 14:06 [1]
Dissolved	Analysis	6020B		1	810733	RN	EET CHI	03/20/25 19:56
Total Recoverable	Prep	3005A			810213	BDE	EET CHI	03/18/25 08:06 - 03/18/25 14:06 [1]
Total Recoverable	Analysis	6020B		1	811548	S1Z	EET CHI	03/27/25 11:07
Total Recoverable	Prep	3005A			810213	BDE	EET CHI	03/18/25 08:06 - 03/18/25 14:06 [1]
Total Recoverable	Analysis	6020B		1	810733	RN	EET CHI	03/20/25 19:53
Total Recoverable	Prep	3005A			810213	BDE	EET CHI	03/18/25 08:06 - 03/18/25 14:06 [1]
Total Recoverable	Analysis	SM 2340B		1	810756	DAJ	EET CHI	03/21/25 08:55
Total/NA	Analysis	300.0		1	809977	MB	EET CHI	03/14/25 21:25
Total/NA	Analysis	300.0		1	809978	MB	EET CHI	03/14/25 21:25
Total/NA	Prep	Distill/CN			810023	AC	EET CHI	03/16/25 12:10 - 03/16/25 12:40 [1]
Total/NA	Analysis	335.4		1	810059	AC	EET CHI	03/16/25 14:06
Total/NA	Prep	Distill/Ammonia			811508	EB	EET CHI	03/27/25 13:46 - 03/27/25 14:46 [1]
Total/NA	Analysis	350.1		1	811719	EB	EET CHI	03/28/25 15:42
Total/NA	Prep	365.2/365.3/365			810241	MF	EET CHI	03/18/25 08:57 - 03/18/25 12:57 [1]
Total/NA	Analysis	365.1		1	810334	KF	EET CHI	03/18/25 15:16
Total/NA	Analysis	SM 2320B		1	810684	AC	EET CHI	03/20/25 12:22
Total/NA	Analysis	SM 2520B		1	811476	AC	EET CHI	03/27/25 10:26
Total/NA	Analysis	SM 2540C		1	810029	CLB	EET CHI	03/17/25 00:29
Total/NA	Analysis	SM 2540D		1	810138	SO	EET CHI	03/17/25 13:35 - 03/17/25 13:37 [1]
Total/NA	Analysis	SM 4500 S2 F		1	810030	CLB	EET CHI	03/17/25 03:25 - 03/17/25 03:28 [1]
Dissolved	Analysis	SM 5310C		1	811081	TR	EET CHI	03/24/25 05:33
Total/NA	Analysis	SM 5310C		1	810987	TR	EET CHI	03/23/25 22:29

Client Sample ID: MW-31_20250311_FBLL

Lab Sample ID: 500-265148-2

Date Collected: 03/11/25 14:00

Matrix: Water

Date Received: 03/14/25 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	1631E		1	5876	CL	EET SSM	03/28/25 18:18

Lab Chronicle

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-265148-1

Client Sample ID: MLR-02_20250311

Lab Sample ID: 500-265148-3

Date Collected: 03/11/25 16:30

Matrix: Water

Date Received: 03/14/25 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	1630			5931	JS	EET SSM	04/02/25 10:54
Dissolved	Analysis	1630		1	5963	COW	EET SSM	04/02/25 20:49
Total/NA	Prep	1630			5931	JS	EET SSM	04/02/25 10:54
Total/NA	Analysis	1630		1	5963	COW	EET SSM	04/02/25 19:07
Dissolved	Analysis	1631E		1	5876	CL	EET SSM	03/28/25 18:26
Total/NA	Analysis	1631E		1	5876	CL	EET SSM	03/28/25 18:22
Dissolved	Prep	1638			5904	CL	EET SSM	03/31/25 18:15
Dissolved	Analysis	1638		1	5943	V1R	EET SSM	04/01/25 19:54
Total Recoverable	Prep	1638			5904	CL	EET SSM	03/31/25 18:15
Total Recoverable	Analysis	1638		1	5943	V1R	EET SSM	04/01/25 19:50
Dissolved	Prep	3005A			810213	BDE	EET CHI	03/18/25 08:06 - 03/18/25 14:06 [1]
Dissolved	Analysis	6020B		1	811548	S1Z	EET CHI	03/27/25 11:15
Dissolved	Prep	3005A			810213	BDE	EET CHI	03/18/25 08:06 - 03/18/25 14:06 [1]
Dissolved	Analysis	6020B		1	810733	RN	EET CHI	03/20/25 20:00
Total Recoverable	Prep	3005A			810213	BDE	EET CHI	03/18/25 08:06 - 03/18/25 14:06 [1]
Total Recoverable	Analysis	6020B		1	811548	S1Z	EET CHI	03/27/25 11:12
Total Recoverable	Prep	3005A			810213	BDE	EET CHI	03/18/25 08:06 - 03/18/25 14:06 [1]
Total Recoverable	Analysis	6020B		1	810733	RN	EET CHI	03/20/25 19:58
Total Recoverable	Prep	3005A			810213	BDE	EET CHI	03/18/25 08:06 - 03/18/25 14:06 [1]
Total Recoverable	Analysis	SM 2340B		1	810756	DAJ	EET CHI	03/21/25 08:55
Total/NA	Analysis	300.0		1	809977	MB	EET CHI	03/14/25 21:40
Total/NA	Analysis	300.0		1	809978	MB	EET CHI	03/14/25 21:40
Total/NA	Prep	Distill/CN			810023	AC	EET CHI	03/16/25 12:10 - 03/16/25 12:40 [1]
Total/NA	Analysis	335.4		1	810059	AC	EET CHI	03/16/25 14:12
Total/NA	Prep	Distill/Ammonia			811508	EB	EET CHI	03/27/25 13:46 - 03/27/25 14:46 [1]
Total/NA	Analysis	350.1		1	811719	EB	EET CHI	03/28/25 15:42
Total/NA	Prep	365.2/365.3/365			810241	MF	EET CHI	03/18/25 08:57 - 03/18/25 12:57 [1]
Total/NA	Analysis	365.1		1	810334	KF	EET CHI	03/18/25 15:17
Total/NA	Analysis	SM 2320B		1	810684	AC	EET CHI	03/20/25 12:32
Total/NA	Analysis	SM 2520B		1	811476	AC	EET CHI	03/27/25 10:26
Total/NA	Analysis	SM 2540C		1	810029	CLB	EET CHI	03/17/25 00:32
Total/NA	Analysis	SM 2540D		1	810138	SO	EET CHI	03/17/25 13:37 - 03/17/25 13:40 [1]
Total/NA	Analysis	SM 4500 S2 F		1	810030	CLB	EET CHI	03/17/25 03:28 - 03/17/25 03:32 [1]
Dissolved	Analysis	SM 5310C		1	811081	TR	EET CHI	03/24/25 06:05
Total/NA	Analysis	SM 5310C		1	810987	TR	EET CHI	03/23/25 23:01

Client Sample ID: MLR-02_20250311_FBLL

Lab Sample ID: 500-265148-4

Date Collected: 03/11/25 16:30

Matrix: Water

Date Received: 03/14/25 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	1631E		1	5876	CL	EET SSM	03/28/25 18:30

Lab Chronicle

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-265148-1

Client Sample ID: PNC-01_20250311

Lab Sample ID: 500-265148-5

Date Collected: 03/11/25 12:00

Matrix: Water

Date Received: 03/14/25 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	1630			5931	JS	EET SSM	04/02/25 10:54
Dissolved	Analysis	1630		1	5963	COW	EET SSM	04/02/25 21:09
Total/NA	Prep	1630			5931	JS	EET SSM	04/02/25 10:54
Total/NA	Analysis	1630		1	5963	COW	EET SSM	04/02/25 20:59
Dissolved	Analysis	1631E		1	5932	D1C	EET SSM	04/01/25 18:52
Total/NA	Analysis	1631E		1	5932	D1C	EET SSM	04/01/25 18:48
Dissolved	Prep	1638			5922	V1R	EET SSM	04/02/25 11:35
Dissolved	Analysis	1638		1	5967	V1R	EET SSM	04/02/25 17:01
Total Recoverable	Prep	1638			5922	V1R	EET SSM	04/02/25 11:35
Total Recoverable	Analysis	1638		1	5967	V1R	EET SSM	04/02/25 17:09
Dissolved	Prep	3005A			810213	BDE	EET CHI	03/18/25 08:06 - 03/18/25 14:06 ¹
Dissolved	Analysis	6020B		1	811548	S1Z	EET CHI	03/27/25 11:19
Dissolved	Prep	3005A			810213	BDE	EET CHI	03/18/25 08:06 - 03/18/25 14:06 ¹
Dissolved	Analysis	6020B		1	810733	RN	EET CHI	03/20/25 20:10
Total Recoverable	Prep	3005A			810213	BDE	EET CHI	03/18/25 08:06 - 03/18/25 14:06 ¹
Total Recoverable	Analysis	6020B		1	811548	S1Z	EET CHI	03/27/25 11:17
Total Recoverable	Prep	3005A			810213	BDE	EET CHI	03/18/25 08:06 - 03/18/25 14:06 ¹
Total Recoverable	Analysis	6020B		1	810733	RN	EET CHI	03/20/25 20:08
Total Recoverable	Prep	3005A			810213	BDE	EET CHI	03/18/25 08:06 - 03/18/25 14:06 ¹
Total Recoverable	Analysis	SM 2340B		1	810756	DAJ	EET CHI	03/21/25 08:55
Total/NA	Analysis	300.0		1	809977	MB	EET CHI	03/14/25 21:55
Total/NA	Analysis	300.0		1	809978	MB	EET CHI	03/14/25 21:55
Total/NA	Prep	Distill/CN			810023	AC	EET CHI	03/16/25 12:10 - 03/16/25 12:40 ¹
Total/NA	Analysis	335.4		1	810059	AC	EET CHI	03/16/25 14:13
Total/NA	Prep	Distill/Ammonia			811508	EB	EET CHI	03/27/25 13:46 - 03/27/25 14:46 ¹
Total/NA	Analysis	350.1		1	811719	EB	EET CHI	03/28/25 15:43
Total/NA	Prep	365.2/365.3/365			810241	MF	EET CHI	03/18/25 08:57 - 03/18/25 12:57 ¹
Total/NA	Analysis	365.1		1	810334	KF	EET CHI	03/18/25 15:18
Total/NA	Analysis	SM 2320B		1	810684	AC	EET CHI	03/20/25 12:41
Total/NA	Analysis	SM 2520B		1	811476	AC	EET CHI	03/27/25 10:26
Total/NA	Analysis	SM 2540C		1	810029	CLB	EET CHI	03/17/25 00:34
Total/NA	Analysis	SM 2540D		1	810138	SO	EET CHI	03/17/25 13:40 - 03/17/25 13:43 ¹
Total/NA	Analysis	SM 4500 S2 F		1	810030	CLB	EET CHI	03/17/25 03:32 - 03/17/25 03:36 ¹
Dissolved	Analysis	SM 5310C		1	811081	TR	EET CHI	03/24/25 06:37
Total/NA	Analysis	SM 5310C		1	810987	TR	EET CHI	03/23/25 23:33

Client Sample ID: PNC-01_20250311_FBLL

Lab Sample ID: 500-265148-6

Date Collected: 03/11/25 12:00

Matrix: Water

Date Received: 03/14/25 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	1631E		1	5932	D1C	EET SSM	04/01/25 18:56

Client Sample ID: FB-01-SW_20250311

Lab Sample ID: 500-265148-7

Date Collected: 03/11/25 12:30

Matrix: Water

Date Received: 03/14/25 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	1630			5931	JS	EET SSM	04/02/25 10:54
Total/NA	Analysis	1630		1	5963	COW	EET SSM	04/02/25 21:20
Total/NA	Analysis	1631E		1	5932	D1C	EET SSM	04/01/25 19:00
Total Recoverable	Prep	1638			5922	V1R	EET SSM	04/02/25 11:35
Total Recoverable	Analysis	1638		1	5967	V1R	EET SSM	04/02/25 17:18
Total Recoverable	Prep	3005A			810213	BDE	EET CHI	03/18/25 08:06 - 03/18/25 14:06 [1]
Total Recoverable	Analysis	6020B		1	811548	S1Z	EET CHI	03/27/25 11:22
Total Recoverable	Prep	3005A			810213	BDE	EET CHI	03/18/25 08:06 - 03/18/25 14:06 [1]
Total Recoverable	Analysis	6020B		1	810733	RN	EET CHI	03/20/25 20:13
Total Recoverable	Prep	3005A			810213	BDE	EET CHI	03/18/25 08:06 - 03/18/25 14:06 [1]
Total Recoverable	Analysis	SM 2340B		1	810756	DAJ	EET CHI	03/21/25 08:55
Total/NA	Analysis	300.0		1	809977	MB	EET CHI	03/14/25 22:41
Total/NA	Analysis	300.0		1	809978	MB	EET CHI	03/14/25 22:41
Total/NA	Prep	Distill/CN			810023	AC	EET CHI	03/16/25 12:10 - 03/16/25 12:40 [1]
Total/NA	Analysis	335.4		1	810059	AC	EET CHI	03/16/25 14:15
Total/NA	Prep	Distill/Ammonia			811508	EB	EET CHI	03/27/25 13:46 - 03/27/25 14:46 [1]
Total/NA	Analysis	350.1		1	811719	EB	EET CHI	03/28/25 15:44
Total/NA	Prep	365.2/365.3/365			810241	MF	EET CHI	03/18/25 08:57 - 03/18/25 12:57 [1]
Total/NA	Analysis	365.1		1	810334	KF	EET CHI	03/18/25 15:19
Total/NA	Analysis	SM 2320B		1	810900	AC	EET CHI	03/21/25 17:00
Total/NA	Analysis	SM 2520B		1	811476	AC	EET CHI	03/27/25 10:26
Total/NA	Analysis	SM 2540C		1	810029	CLB	EET CHI	03/17/25 00:37
Total/NA	Analysis	SM 2540D		1	810138	SO	EET CHI	03/17/25 13:43 - 03/17/25 13:45 [1]
Total/NA	Analysis	SM 4500 S2 F		1	810183	CLB	EET CHI	03/18/25 01:12 - 03/18/25 01:16 [1]
Total/NA	Analysis	SM 5310C		1	810987	TR	EET CHI	03/24/25 00:06

Client Sample ID: FB-01-SW_20250311_FBLL

Lab Sample ID: 500-265148-8

Date Collected: 03/11/25 12:30

Matrix: Water

Date Received: 03/14/25 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	1631E		1	5932	D1C	EET SSM	04/01/25 19:04

Client Sample ID: BNC-01_20250311

Lab Sample ID: 500-265148-9

Date Collected: 03/11/25 10:50

Matrix: Water

Date Received: 03/14/25 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	1630			5931	JS	EET SSM	04/02/25 10:54
Dissolved	Analysis	1630		1	5963	COW	EET SSM	04/02/25 21:40
Total/NA	Prep	1630			5931	JS	EET SSM	04/02/25 10:54
Total/NA	Analysis	1630		1	5963	COW	EET SSM	04/02/25 21:30
Dissolved	Analysis	1631E		1	5932	D1C	EET SSM	04/01/25 19:12
Total/NA	Analysis	1631E		1	5932	D1C	EET SSM	04/01/25 19:08

Lab Chronicle

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-265148-1

Client Sample ID: BNC-01_20250311

Lab Sample ID: 500-265148-9

Date Collected: 03/11/25 10:50

Matrix: Water

Date Received: 03/14/25 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	1638			5922	V1R	EET SSM	04/02/25 11:35
Dissolved	Analysis	1638		1	5967	V1R	EET SSM	04/02/25 17:05
Total Recoverable	Prep	1638			5922	V1R	EET SSM	04/02/25 11:35
Total Recoverable	Analysis	1638		1	5967	V1R	EET SSM	04/02/25 17:13
Dissolved	Prep	3005A			810213	BDE	EET CHI	03/18/25 08:06 - 03/18/25 14:06 [1]
Dissolved	Analysis	6020B		1	811548	S1Z	EET CHI	03/27/25 11:32
Dissolved	Prep	3005A			810213	BDE	EET CHI	03/18/25 08:06 - 03/18/25 14:06 [1]
Dissolved	Analysis	6020B		1	810733	RN	EET CHI	03/20/25 20:17
Total Recoverable	Prep	3005A			810213	BDE	EET CHI	03/18/25 08:06 - 03/18/25 14:06 [1]
Total Recoverable	Analysis	6020B		1	811548	S1Z	EET CHI	03/27/25 11:29
Total Recoverable	Prep	3005A			810213	BDE	EET CHI	03/18/25 08:06 - 03/18/25 14:06 [1]
Total Recoverable	Analysis	6020B		1	810733	RN	EET CHI	03/20/25 20:15
Total Recoverable	Prep	3005A			810213	BDE	EET CHI	03/18/25 08:06 - 03/18/25 14:06 [1]
Total Recoverable	Analysis	SM 2340B		1	810756	DAJ	EET CHI	03/21/25 08:55
Total/NA	Analysis	300.0		1	809977	MB	EET CHI	03/14/25 22:57
Total/NA	Analysis	300.0		1	809978	MB	EET CHI	03/14/25 22:57
Total/NA	Prep	Distill/CN			810023	AC	EET CHI	03/16/25 12:10 - 03/16/25 12:40 [1]
Total/NA	Analysis	335.4		1	810059	AC	EET CHI	03/16/25 14:17
Total/NA	Prep	Distill/Ammonia			811508	EB	EET CHI	03/27/25 13:46 - 03/27/25 14:46 [1]
Total/NA	Analysis	350.1		1	811719	EB	EET CHI	03/28/25 15:44
Total/NA	Prep	365.2/365.3/365			810241	MF	EET CHI	03/18/25 08:57 - 03/18/25 12:57 [1]
Total/NA	Analysis	365.1		1	810334	KF	EET CHI	03/18/25 15:23
Total/NA	Analysis	SM 2320B		1	810684	AC	EET CHI	03/20/25 12:48
Total/NA	Analysis	SM 2520B		1	811476	AC	EET CHI	03/27/25 10:26
Total/NA	Analysis	SM 2540C		1	810029	CLB	EET CHI	03/17/25 00:40
Total/NA	Analysis	SM 2540D		1	810138	SO	EET CHI	03/17/25 13:48 - 03/17/25 13:50 [1]
Total/NA	Analysis	SM 4500 S2 F		1	810183	CLB	EET CHI	03/18/25 01:16 - 03/18/25 01:20 [1]
Dissolved	Analysis	SM 5310C		1	811081	TR	EET CHI	03/24/25 08:12
Total/NA	Analysis	SM 5310C		1	810987	TR	EET CHI	03/24/25 00:38

Client Sample ID: BNC-01_20250311_FBLL

Lab Sample ID: 500-265148-10

Date Collected: 03/11/25 10:50

Matrix: Water

Date Received: 03/14/25 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	1631E		1	5932	D1C	EET SSM	04/01/25 19:25

[1] This procedure uses a method stipulated length of time for the process. Both start and end times are displayed.

Laboratory References:

EET CHI = Eurofins Chicago, 18410 Crossing Drive, Suite E, Tinley Park, IL 60487, TEL (708)534-5200

EET SSM = Eurofins Seattle Specialty Metals, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

Accreditation/Certification Summary

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-265148-1

Laboratory: Eurofins Chicago

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Georgia	State	N/A	05-31-25
Georgia (DW)	State	939	05-31-25
Hawaii	State	NA	05-31-25
Illinois	NELAP	100201	05-31-25
Indiana	State	C-IL-02	05-31-25
Iowa	State	082	05-01-26
Kansas	NELAP	E-10161	10-31-25
Kentucky (UST)	State	AI # 108083	05-31-25
Kentucky (WW)	State	KY90023	12-31-24 *
Louisiana (All)	NELAP	02046	06-30-25
Mississippi	State	NA	05-31-25
North Carolina (WW/SW)	State	291	12-31-25
North Dakota	State	R-194	04-29-24 *
Oklahoma	State	8908	08-31-25
South Carolina	State	77001003	05-31-25
USDA	US Federal Programs	P330-18-00018	03-30-26
Wisconsin	State	399172840	08-31-25
Wyoming	State	8TMS-Q	05-31-25

Laboratory: Eurofins Seattle Specialty Metals

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	20-004	02-19-27
ANAB	Dept. of Defense ELAP	L2236	01-19-27
ANAB	Dept. of Energy	L2236.01	01-19-27
ANAB	ISO/IEC 17025	L2236	01-19-27
California	State	2954	07-07-25
Florida	NELAP	E87575	06-30-25
Louisiana (All)	NELAP	03073	06-30-25
Maine	State	WA01273	05-02-26
New Jersey	NELAP	WA014	06-30-25
New York	NELAP	11662	04-01-25 *
Oregon	NELAP	4167-008	07-07-25
US Fish & Wildlife	US Federal Programs	A20571	06-30-25
USDA	US Federal Programs	525-23-4-22573	01-04-26
Washington	State	C788-23a	07-13-25
Wisconsin	State	399133460	07-31-25

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Eurofins Chicago
18410 Crossing Drive, Suite E
Tinley Park, IL 60487
Phone (708) 534-5200 Phone (262) 202-5955

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Jacob Dean	Lab PM: Fredrick, Sandie	Carrier Tracking No(s): 4376 0568 5425	COC No.: 500-133049-50241 18
Client Contact: Amanda Zeidler	Phone: 906 487 7454	E-Mail: Sandra Fredrick@et eurofinsus com	State of Origin: Michigan	Page: Page 1 of 1
Company: White Pine Copper LLC	PWSID:			Job #: 500-265148
Address: 35362 Mall Circle Drive	Due Date Requested:			
City: White Pine	TAT Requested (days): 10 days			
State, Zip: MI, 49971	Compliance Project: Δ Yes Δ No			
Phone: 906-204-6500	PO #: Purchase Order not required			
Email: AZeidler@whitepinecu com	WO #:			
Project Name: White Pines, MI	Project #: 50023455			
Site: White Pine North Baseline Sampling	SSOW#:			

Analysis Requested

Preservation Codes:
S H2SO4
N None
CB ZnAcetate/NaOH
B NaOH
D - HNO3
A - HCL

500-265148 COC

Other:

	Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	350.1 Ammonia, 365.1 Phos	2320B, 2540C, 2540D, 300.0_28D, 300_48HR, SM2520_B	SM4500_S2_F - Sulfide, Total	335.4 - Cyanide, Total	SM5310_DOC_C - Organic Carbon, Dissolved (DOC) - tripli	6020B, SM2340B Total Metals / Hardness	1638 - Uranium only (ICP/MS)	1631E - Mercury, Low Level (CVAFS)	1630_ME - Methyl Mercury	6020B - Dissolved Metals (ICP/MS) - 27 elements	1638 - Dissolved Uranium only (ICP/MS) (field filtered)	1631E - Dissolved Mercury, Low Level (CVAFS) (filtered)	1630_ME - Dissolved Methyl Mercury (field filtered)	5310C - TOC	Total Number of containers	Special Instructions/Note:
				Preservation Code:				S	N	CB	B	S	D	D	N	A	D	D	N	A	S		
1	MW-31_20250311	3/11/25	1400		Water			X	X	X	X	X	X	X	X	X	X	X	X	X	X	21	
2	MW-31_20250311_FBLL	3-11-25	1400		Water										X							2	
3	MLR-02_20250311	3-11-25	1650		Water			X	X	X	X	X	X	X	X	X	X	X	X	X	X	22	
4	MLR-02_20250311_FBLL	3/11-25	1630		Water										X							2	
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested I, II, III, IV, Other (specify)

Special Instructions/QC Requirements. MDLs must meet Michigan requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment: Fedex Priority overnight

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1	Jacob Dean	3/12/25 0800	MSG	Ellen	3/12/25 0800	MSG
2	Ellen	3/12/25 1500	MSG	4376 0568 5425	3/12/25 1500	Ellen
3				Stephanie Hernandez	3/13/25 0940	EEIA

Custody Seals Intact: Δ Yes Δ No | Custody Seal No

Cooler Temperature(s) °C and Other Remarks: 7.1+6.4

Eurofins Chicago
18410 Crossing Drive, Suite E
Tinley Park, IL 60487
Phone (708) 534-5200 Phone (262) 202-5955

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Ellen Toppermoll	Lab PM: Fredrick, Sandie	Carrier Tracking No(s): 4376 0568 5414	COC No: 500-133049-50241 19
Client Contact: Amanda Zeidler	Phone: 517 513 2249	E-Mail: Sandra Fredrick@et eurofinsus com	State of Origin: Michigan	Page: Page 1 of 1
Company: White Pine Copper LLC	PWSID:			Job #: 500-265148
Address: 35362 Mall Circle Drive	Due Date Requested:			
City: White Pine	TAT Requested (days): 10 days			
State, Zip: MI, 49971	Compliance Project: Δ Yes Δ No			
Phone: 906-204-6500	PO #: Purchase Order not required			
Email: AZeidler@whitepinecu com	WO #:			
Project Name: White Pines, MI	Project #: 50023455			
Site: White Pine North Baseline Sampling	SSOW#:			

Analysis Requested

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	350.1 Ammonia, 365.1 Phos	2320B, 2540C, 2540D, 300.0_28D, 300_48HR, SM2520_B	SM4500_S2_F - Sulfide, Total	335.4 - Cyanide, Total	SM5310_DOC_C - Organic Carbon, Dissolved (DOC) - tripli	6020B, SM2340B Total Metals / Hardness	1638 - Uranium only (ICP/MS)	1631E - Mercury, Low Level (CVAFS)	1630_ME - Methyl Mercury	6020B - Dissolved Metals (ICP/MS) - 27 elements	1638 - Dissolved Uranium only (ICP/MS) (field filtered)	1631E - Dissolved Mercury, Low Level (CVAFS) (filtered)	1630_ME - Dissolved Methyl Mercury (field filtered)	5310C - TOC	Total Number of containers	Special Instructions/Note:
			Preservation Code:				S	N	CB	B	S	D	D	N	A	D	D	N	A	S	
5 INC-01_20250311	3/11/25	1200	G	Water			X	X	X	X	X	X	X	X	X	X	X	X	X	X	22
6 PNC-01_20250311_FBLL	3/11/25	1200	G	Water										X							2
7 FB-01-SW 20250311	3/11/25	1230	G	Water			X	X	X	X		X	X	X	X					X	14
8 FB 01 SW_20250311_FBLL	3/11/25	1230	G	Water										X							2
				Water																	
				Water																	
				Water																	
				Water																	
				Water																	
				Water																	
				Water																	

Preservation Codes:
S H2SO4
N None
CB ZnAcetate/NaOH
B NaOH
D - HNO3
A - HCL
Other:

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested I, [II], III, IV, Other (specify)

Special Instructions/QC Requirements MDLs must meet Michigan requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment: Fedex Priority Overnight

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1	Ellen	3/12/25 1500	MSG	4376 0568 5414	3/12/25 1500	Fedex
2	Relinquished by:	Date/Time	Company	Received by: Stephanie Hernandez	Date/Time 3/14/25 0940	Company EEA
3	Relinquished by:	Date/Time	Company	Received by:	Date/Time:	Company

Custody Seals Intact. Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks.	6.1+5.5

Eurofins Chicago
18410 Crossing Drive, Suite E
Tinley Park, IL 60487
Phone (708) 534-5200 Phone (262) 202-5955

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Jacob Dean	Lab PM: Fredrick, Sandie	Carrier Tracking No(s): 4376 0568 5436	COC No: 500-133049-50241 17
Client Contact: Amanda Zeidler	Phone: 906 487 7454	E-Mail: Sandra Fredrick@et eurofinsus com	State of Origin: Michigan	Page: Page 1 of 1
Company: White Pine Copper LLC	PWSID:			Job #: 500-265148
Address: 35362 Mall Circle Drive	Due Date Requested:			
City: White Pine	TAT Requested (days): 10 days			
State, Zip: MI, 49971	Compliance Project: Δ Yes Δ No			
Phone: 906-204-6500	PO #: Purchase Order not required			
Email: AZeidler@whitepinecu com	WO #:			
Project Name: White Pines, MI	Project #: 50023455			
Site: White Pine North Baseline Sampling	SSOW#:			

Analysis Requested

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	350.1 Ammonia, 365.1 Phos	2320B, 2540C, 2540D, 300.0_28D, 300_48HR, SM2520_B	SM4500_S2_F - Sulfide, Total	335.4 - Cyanide, Total	SM5310_DOC_C - Organic Carbon, Dissolved (DOC) - tripli	6020B, SM2340B Total Metals / Hardness	1638 - Uranium only (ICP/MS)	1631E - Mercury, Low Level (CVAFS)	1630_ME - Methyl Mercury	6020B - Dissolved Metals (ICP/MS) - 27 elements	1638 - Dissolved Uranium only (ICP/MS) (field filtered)	1631E - Dissolved Mercury, Low Level (CVAFS) (filtered)	1630_ME - Dissolved Methyl Mercury (field filtered)	5310C - TOC	Total Number of containers	Special Instructions/Note:
			Preservation Code:				S	N	CB	B	S	D	D	N	A	D	D	N	A	S		
BNC-01_20250311	3/11/25	1030		Water			X	X	X	X	X	X	X	X	X	X	X	X	X	X	22	
BNC-01-20250311-FBLK				Water										X							2	
				Water																		
				Water																		
				Water																		
				Water																		
				Water																		
				Water																		
				Water																		
				Water																		
				Water																		
				Water																		

Preservation Codes:
S - H2SO4
N - None
CB ZnAcetate/NaOH
B NaOH
D HNO3
A HCL
Other:

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested I, II, III, IV, Other (specify)

Special Instructions/QC Requirements MDLs must meet Michigan requirements

Empty Kit Relinquished by:	Date	Time	Method of Shipment: Fedex Priority Overnight

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1	Jacob Dean	3/12/25 0800	MSG	[illegible]	3/12/25 0800	MSG
2	[illegible]	3/12/25 1500	MSG	4376 0568 5436	3/12/25 1500	Fedex
3				Stephanie Hernandez	3/14/25 0940	ETN

Custody Seals Intact: Δ Yes Δ No | Custody Seal No

Cooler Temperature(s) °C and Other Remarks: 8.1+7.5


THE MANNIK & SMITH GROUP
616 SHELDEN AVE
SUITE 210
HOUGHTON, MI 49931
UNITED STATES US
TO SAMPLE RECIEPT
EUROFINS
18410 CROSSING DRIVE
SUITE E
TINLEY PARK IL 60487
(262) 202-5955
RMA:
FedEx
Express
TRK# 0221 4376 0568 5414
RETURNS MON-SAT
PRIORITY OVERNIGHT
60487
FRI - 14 MAR AA
PRIORITY OVERNIGHT
XP JOTA
60487
IL-US
ORD


THE MANNIK & SMITH GROUP
616 SHELDEN AVE
SUITE 210
HOUGHTON, MI 49931
UNITED STATES US
CAD: 0780307/CAFE3855
500-265148 Waybi
TO SAMPLE RECIEPT
EUROFINS
18410 CROSSING DRIVE
SUITE E
TINLEY PARK IL 60487
(262) 202-5955
RMA:
FedEx
Express
TRK# 0221 4376 0568 5436
PRIORITY OV
FRI - 14
PRIORITY O
XP JOTA
IL-US
ORD


THE MANNIK & SMITH GROUP
616 SHELDEN AVE
SUITE 210
HOUGHTON, MI 49931
UNITED STATES US
CAD: 0780307/CAFE3855
TO SAMPLE RECIEPT
EUROFINS
18410 CROSSING DRIVE
SUITE E
TINLEY PARK IL 60487
(262) 202-6955
REF:
INV:
PO:
DEPT:
RMA
FedEx
Express
TRK# 0221 4376 0568 5425
RETURNS MON-SAT
PRIORITY OVERNIGHT
FedEx
TRK# 0221 4376 0568 5425
FRI - 14 MAR AA
PRIORITY OVERNIGHT
XP JOTA
60487
IL-US
ORD

Eurofins Chicago
18410 Crossing Drive Suite E
Tinley Park, IL 60487
Phone: 708-534-5200 Fax: 708-534-5211

Chain of Custody Record

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4/4/2025

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Fredrick, Sandie	Carrier Tracking No(s): N/A	COC No: 500-199218.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Sandra.Fredrick@et.eurofinsus.com	State of Origin: Michigan	Page: Page 1 of 2
Company: Eurofins Environment Testing Northwest,		Accreditations Required (See note): N/A		Job #: 500-265148-1
Address: 5755 8th Street East, ,	Due Date Requested: 4/3/2025			Preservation Codes:
City: Tacoma	TAT Requested (days): N/A			
State, Zip: WA, 98424				
Phone: 253-922-2310(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: White Pines, MI	Project #: 50023455			
Site: N/A	SSOW#: N/A			

Therm. ID: SC0 11 Cust. Seal: (Y) / N
Uncorr./Corr. Temp: 0.1 / -0.1 °C
Delivery: UPS (FedEx) Other: ____
Ice Type: Blue / Dry / Wet / None
Label Ver.: V2 Packing: B

Therm. ID: SC0 11 Cust. Seal: (Y) / N
Uncorr./Corr. Temp: 17.2 / 17.4 °C
Delivery: UPS / (FedEx) / Other: ____
Ice Type: Blue / Dry / Wet / (None)
Label Ver.: V2 Packing: ____

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	1638/1638_Prep_W Uranium only (ICP/MS)	1631E/ Mercury, Low Level (CVAFS)	1630_ME/1630_Dist_PFP Methyl Mercury	1638/FIELD_FLTRD Dissolved Uranium only (ICP/MS) (field f	1631E/FIELD_FLTRD Dissolved Mercury, Low Level (CVAFS) (fi	1630_ME/FIELD_FLTRD Dissolved Methyl Mercury (field filtered	Total	Special Instructions/Note:
			Preservation Code:		X	X								
MW-31_20250311 (500-265148-1)	3/11/25	14:00 Eastern	G	Water			X	X	X	X	X	X	8	
MW-31_20250311_FBLL (500-265148-2)	3/11/25	14:00 Eastern	G	Water				X					2	
MLR-02_20250311 (500-265148-3)	3/11/25	16:30 Eastern	G	Water			X	X	X	X	X	X	8	
MLR-02_20250311_FBLL (500-265148-4)	3/11/25	16:30 Eastern	G	Water				X					2	
PNC-01_20250311 (500-265148-5)	3/11/25	12:00 Eastern	G	Water			X	X	X	X	X	X	8	
PNC-01_20250311_FBLL (500-265148-6)	3/11/25	12:00 Eastern	G	Water				X					2	
FB-01-SW_20250311 (500-265148-7)	3/11/25	12:30 Eastern	G	Water			X	X	X				4	
FB-01-SW_20250311_FBLL (500-265148-8)	3/11/25	12:30 Eastern	G	Water				X					2	
BNC-01_20250311 (500-265148-9)	3/11/25	10:30 Eastern	G	Water			X	X	X	X	X	X	8	

Note: Since laboratory accreditations are subject to change, Eurofins Chicago places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Chicago laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Chicago attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Chicago.

Possible Hazard Identification: Unconfirmed 4468 9404 2450	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month): ☐ Return To Client ☐ Disposal By Lab ☐ Archive For ____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Stephanie Hernandez	3/14/25 1600	EEHA		3/15/25 1010	EEN
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ∆ Yes ∆ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 10/10/2024

Eurofins Chicago
18410 Crossing Drive Suite E
Tinley Park, IL 60487
Phone: 708-534-5200 Fax: 708-534-5211

Chain of Custody Record

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4/4/2025

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Fredrick, Sandie	Carrier Tracking No(s): N/A	COC No: 500-199218.2
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Sandra.Fredrick@et.eurofinsus.com	State of Origin: Michigan	Page: Page 2 of 2
Company: Eurofins Environment Testing Northwest,		Accreditations Required (See note): N/A		Job #: 500-265148-1
Address: 5755 8th Street East, ,	Due Date Requested: 4/3/2025			Preservation Codes: -
City: Tacoma	TAT Requested (days): N/A			
State, Zip: WA, 98424				
Phone: 253-922-2310(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: White Pines, MI	Project #: 50023455			
Site: N/A	SSOW#: N/A			Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	1638/1638_Prep_W Uranium only (ICP/MS)	1631E/ Mercury, Low Level (CVAFS)	1630_ME/1630_Dist_PFP Methyl Mercury	1638/FIELD_FLTRD Dissolved Uranium only (ICP/MS) (field f	1631E/FIELD_FLTRD Dissolved Mercury, Low Level (CVAFS) (fi	1630_ME/FIELD_FLTRD Dissolved Methyl Mercury (field filtered	Total Number of containers	Special Instructions/Note:
			Preservation Code:											
BNC-01_20250311_FBLL (500-265148-10)	3/11/25	10:30 Eastern	G	Water				X					2	

Analysis Requested

Note: Since laboratory accreditations are subject to change, Eurofins Chicago places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Chicago laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Chicago attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Chicago.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Stephanie Hernandez	3/14/25 1600	ET-A		3/15/25 10:10	ET-N
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 10/10/2024

Login Sample Receipt Checklist

Client: White Pine Copper LLC

Job Number: 500-265148-1

Login Number: 265148
List Number: 1
Creator: Hernandez, Stephanie

List Source: Eurofins Chicago

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	False	Water present in cooler; indicates evidence of melted ice.
Cooler Temperature is acceptable.	False	
Cooler Temperature is recorded.	True	6.6,5.5,7.5
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	False	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: White Pine Copper LLC

Job Number: 500-265148-1

Login Number: 265148
List Number: 2
Creator: Singh, Jaskaran

List Source: Eurofins Seattle Specialty Metals
List Creation: 03/17/25 08:56 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	

Groundwater and Surface Water Analytical Reports

Eurofins Chicago

May & June 2025

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Amanda Zeidler
White Pine Copper LLC
35362 Mall Circle Drive
White Pine, Michigan 49971

Generated 5/23/2025 3:47:31 PM

JOB DESCRIPTION

White Pines, MI

JOB NUMBER

500-267552-1

Eurofins Chicago
18410 Crossing Drive
Suite E
Tinley Park IL 60487

See page two for job notes and contact information.

my EOL

Eurofins Chicago

Job Notes

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. This report is confidential and is intended for the sole use of Eurofins Environment Testing North Central, LLC and its client. All questions regarding this report should be directed to the Eurofins Environment Testing North Central, LLC Project Manager who has signed this report.

Results relate only to the items tested and the sample(s) as received by the laboratory. The results, detection limits (LOD) and Quantitation Limits (LOQ) have been adjusted for sample dilutions and/or solids content.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Chicago Project Manager.

Compliance Statement

The LOD and LOQ reported are adjusted by the dilution factor when a dilution factor greater than 1 is needed. Additionally, where results are indicated as being reported on a dry weight basis, the LOD and LOQ are adjusted for moisture content as well.

Definitions of Limits
- LOD = Limit of Detection = MDL as defined by 40 CFR part 136 Appendix B
- LOQ = Limit of Quantitation = 3.33 x LOD as defined by Wisconsin
- RL = Report Limit = a concentration supported by a standard in the calibration curves

Authorization



Generated
5/23/2025 3:47:31 PM

Authorized for release by
Sandie Fredrick, Senior Project Manager
Sandra.Fredrick@et.eurofinsus.com
(920)261-1660

Table of Contents

Cover Page 1
Table of Contents 3
Case Narrative 4
Detection Summary 5
Method Summary 13
Sample Summary 14
Client Sample Results 15
Definitions 39
QC Association 40
QC Sample Results 48
Chronicle 61
Certification Summary 68
Chain of Custody 69
Receipt Checklists 76
Field Data Sheets 80

Job Narrative
500-267552-1

Receipt
The samples were received on 4/30/2025 9:15 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were 2.8º C, 3.1º C and 3.4º C.

Receipt Exceptions
The following sample(s) was received outside of holding time: for IC-N2 and N3. Samples are eastern time.

Metals
Method 1630: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 350-6822 and analytical batch 350-6850 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 1630: The following samples were found to be below the calibration curve for Methyl Mercury prior to the application of the efficiency factor and are therefore reportable. (400-275170-J-3-B MS) and (400-275170-J-3-C MSD)

Method 1631E: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 350-6709 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Field Service / Mobile Lab
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

General Chemistry
Method 300.0: The following sample(s) was analyzed outside of analytical holding time due to system outages. MW-3A_20250428 (500-267552-1), ARC-01_20250428 (500-267552-7) and DKC-01_20250428 (500-267552-11)

Method 300.0: The following sample was received outside of holding time: MLR-01_20250428 (500-267552-9).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267552-1

Client Sample ID: MW-3A_20250428

Lab Sample ID: 500-267552-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	0.53		0.50	0.20	ng/L	1		1631E	Total/NA
Mercury	0.49	J	0.50	0.20	ng/L	1		1631E	Dissolved
Uranium	8.0		0.050	0.0098	ug/L	1		1638	Total Recoverable
Uranium	7.9		0.050	0.0098	ug/L	1		1638	Dissolved
Arsenic	1.3		1.0	0.23	ug/L	1		6020B	Total Recoverable
Barium	1100		2.5	0.73	ug/L	1		6020B	Total Recoverable
Boron	460		50	13	ug/L	1		6020B	Total Recoverable
Calcium	260000		200	44	ug/L	1		6020B	Total Recoverable
Cobalt	2.1		1.0	0.40	ug/L	1		6020B	Total Recoverable
Copper	1.1	J	2.0	0.50	ug/L	1		6020B	Total Recoverable
Iron	4100		100	47	ug/L	1		6020B	Total Recoverable
Lithium	94		10	2.5	ug/L	1		6020B	Total Recoverable
Magnesium	57000		200	49	ug/L	1		6020B	Total Recoverable
Manganese	4900		2.5	0.79	ug/L	1		6020B	Total Recoverable
Nickel	3.4		2.0	0.63	ug/L	1		6020B	Total Recoverable
Potassium	2300		500	110	ug/L	1		6020B	Total Recoverable
Sodium	160000		200	77	ug/L	1		6020B	Total Recoverable
Strontium	5100		4.0	0.64	ug/L	1		6020B	Total Recoverable
Zinc	14	J	20	6.9	ug/L	1		6020B	Total Recoverable
Arsenic	0.88	J	1.0	0.23	ug/L	1		6020B	Dissolved
Barium	1000		2.5	0.73	ug/L	1		6020B	Dissolved
Boron	420		50	13	ug/L	1		6020B	Dissolved
Calcium	250000		200	44	ug/L	1		6020B	Dissolved
Cobalt	2.0		1.0	0.40	ug/L	1		6020B	Dissolved
Iron	2800		100	47	ug/L	1		6020B	Dissolved
Lithium	91		10	2.5	ug/L	1		6020B	Dissolved
Magnesium	57000		200	49	ug/L	1		6020B	Dissolved
Manganese	4900		2.5	0.79	ug/L	1		6020B	Dissolved
Nickel	3.4		2.0	0.63	ug/L	1		6020B	Dissolved
Potassium	2200		500	110	ug/L	1		6020B	Dissolved
Sodium	160000		200	77	ug/L	1		6020B	Dissolved
Strontium	5000		4.0	0.64	ug/L	1		6020B	Dissolved
Zinc	11	J	20	6.9	ug/L	1		6020B	Dissolved
Hardness as calcium carbonate	880		0.91	0.46	mg/L	1		SM 2340B	Total Recoverable
Bromide	4.8		1.0	0.45	mg/L	1		300.0	Total/NA
Chloride	480		20	8.4	mg/L	20		300.0	Total/NA
Sulfate	2.8		1.0	0.47	mg/L	1		300.0	Total/NA
Ammonia	0.12	J	0.20	0.10	mg/L	1		350.1	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267552-1

Client Sample ID: MW-3A_20250428 (Continued) — Lab Sample ID: 500-267552-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Phosphorus as P	0.027	J	0.050	0.024	mg/L	1		365.1	Total/NA
Alkalinity	480		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	480		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Salinity	1.2		0.33	0.33	psu	1		SM 2520B	Total/NA
Total Dissolved Solids	1400		10	4.3	mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	13		5.0	1.9	mg/L	1		SM 2540D	Total/NA
Total Organic Carbon	3.7		1.0	0.47	mg/L	1		SM 5310C	Total/NA
Dissolved Organic Carbon	3.4		1.0	0.47	mg/L	1		SM 5310C	Dissolved

Client Sample ID: MW-3A_20250428_FBLL — Lab Sample ID: 500-267552-2

No Detections.

Client Sample ID: ARC-03_20250428 — Lab Sample ID: 500-267552-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	5.0		0.50	0.20	ng/L	1		1631E	Total/NA
Mercury	4.2		0.50	0.20	ng/L	1		1631E	Dissolved
Uranium	0.22		0.050	0.0098	ug/L	1		1638	Total Recoverable
Uranium	0.17		0.050	0.0098	ug/L	1		1638	Dissolved
Aluminum	600		100	25	ug/L	1		6020B	Total Recoverable
Arsenic	0.36	J	1.0	0.23	ug/L	1		6020B	Total Recoverable
Barium	27		2.5	0.73	ug/L	1		6020B	Total Recoverable
Boron	51		50	13	ug/L	1		6020B	Total Recoverable
Calcium	9300		200	44	ug/L	1		6020B	Total Recoverable
Copper	9.0		2.0	0.50	ug/L	1		6020B	Total Recoverable
Iron	600		100	47	ug/L	1		6020B	Total Recoverable
Lead	0.27	J	0.50	0.19	ug/L	1		6020B	Total Recoverable
Magnesium	2200		200	49	ug/L	1		6020B	Total Recoverable
Manganese	14		2.5	0.79	ug/L	1		6020B	Total Recoverable
Nickel	0.85	J	2.0	0.63	ug/L	1		6020B	Total Recoverable
Potassium	910		500	110	ug/L	1		6020B	Total Recoverable
Sodium	2100		200	77	ug/L	1		6020B	Total Recoverable
Strontium	37		4.0	0.64	ug/L	1		6020B	Total Recoverable
Vanadium	2.2	J	5.0	2.2	ug/L	1		6020B	Total Recoverable
Aluminum	120		100	25	ug/L	1		6020B	Dissolved
Arsenic	0.29	J	1.0	0.23	ug/L	1		6020B	Dissolved
Barium	23		2.5	0.73	ug/L	1		6020B	Dissolved
Boron	81		50	13	ug/L	1		6020B	Dissolved
Calcium	9100		200	44	ug/L	1		6020B	Dissolved

This Detection Summary does not include radiochemical test results.

Client Sample ID: ARC-03_20250428 (Continued) — Lab Sample ID: 500-267552-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Copper	7.6		2.0	0.50	ug/L	1		6020B	Dissolved
Iron	200		100	47	ug/L	1		6020B	Dissolved
Magnesium	2100		200	49	ug/L	1		6020B	Dissolved
Manganese	6.3		2.5	0.79	ug/L	1		6020B	Dissolved
Potassium	820		500	110	ug/L	1		6020B	Dissolved
Sodium	2100		200	77	ug/L	1		6020B	Dissolved
Strontium	36		4.0	0.64	ug/L	1		6020B	Dissolved
Hardness as calcium carbonate	32		0.91	0.46	mg/L	1		SM 2340B	Total Recoverable
Chloride	1.8		1.0	0.42	mg/L	1		300.0	Total/NA
Sulfate	1.1		1.0	0.47	mg/L	1		300.0	Total/NA
Phosphorus as P	0.029	J	0.050	0.024	mg/L	1		365.1	Total/NA
Alkalinity	29		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	29		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	98		10	4.3	mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	6.8		5.0	1.9	mg/L	1		SM 2540D	Total/NA
Sulfide	1.7		1.0	0.23	mg/L	1		SM 4500 S2 F	Total/NA
Total Organic Carbon	8.2		1.0	0.47	mg/L	1		SM 5310C	Total/NA
Dissolved Organic Carbon	7.6		1.0	0.47	mg/L	1		SM 5310C	Dissolved

Client Sample ID: ARC-03_20250428_FBLL — Lab Sample ID: 500-267552-4

No Detections.

Client Sample ID: PNC-01_20250428 — Lab Sample ID: 500-267552-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	5.4		0.50	0.20	ng/L	1		1631E	Total/NA
Mercury	4.2		0.50	0.20	ng/L	1		1631E	Dissolved
Uranium	0.071		0.050	0.0098	ug/L	1		1638	Total Recoverable
Uranium	0.065		0.050	0.0098	ug/L	1		1638	Dissolved
Aluminum	490		100	25	ug/L	1		6020B	Total Recoverable
Arsenic	0.34	J	1.0	0.23	ug/L	1		6020B	Total Recoverable
Barium	12		2.5	0.73	ug/L	1		6020B	Total Recoverable
Boron	58		50	13	ug/L	1		6020B	Total Recoverable
Calcium	7300		200	44	ug/L	1		6020B	Total Recoverable
Copper	15		2.0	0.50	ug/L	1		6020B	Total Recoverable
Iron	550		100	47	ug/L	1		6020B	Total Recoverable
Lead	0.23	J	0.50	0.19	ug/L	1		6020B	Total Recoverable
Magnesium	1800		200	49	ug/L	1		6020B	Total Recoverable
Manganese	35		2.5	0.79	ug/L	1		6020B	Total Recoverable
Potassium	770		500	110	ug/L	1		6020B	Total Recoverable
Sodium	730		200	77	ug/L	1		6020B	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client Sample ID: PNC-01_20250428 (Continued) — Lab Sample ID: 500-267552-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Strontium	17		4.0	0.64	ug/L	1		6020B	Total Recoverable
Aluminum	110		100	25	ug/L	1		6020B	Dissolved
Arsenic	0.26	J	1.0	0.23	ug/L	1		6020B	Dissolved
Barium	7.6		2.5	0.73	ug/L	1		6020B	Dissolved
Boron	47	J	50	13	ug/L	1		6020B	Dissolved
Calcium	5700		200	44	ug/L	1		6020B	Dissolved
Copper	13		2.0	0.50	ug/L	1		6020B	Dissolved
Iron	160		100	47	ug/L	1		6020B	Dissolved
Magnesium	1400		200	49	ug/L	1		6020B	Dissolved
Manganese	29		2.5	0.79	ug/L	1		6020B	Dissolved
Potassium	680		500	110	ug/L	1		6020B	Dissolved
Sodium	710		200	77	ug/L	1		6020B	Dissolved
Strontium	14		4.0	0.64	ug/L	1		6020B	Dissolved
Hardness as calcium carbonate	26		0.91	0.46	mg/L	1		SM 2340B	Total Recoverable
Sulfate	0.81	J	1.0	0.47	mg/L	1		300.0	Total/NA
Phosphorus as P	0.029	J	0.050	0.024	mg/L	1		365.1	Total/NA
Alkalinity	23		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	23		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	18		10	4.3	mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	4.4	J	5.0	1.9	mg/L	1		SM 2540D	Total/NA
Sulfide	2.8		1.0	0.23	mg/L	1		SM 4500 S2 F	Total/NA
Total Organic Carbon	9.0		1.0	0.47	mg/L	1		SM 5310C	Total/NA
Dissolved Organic Carbon	9.4		1.0	0.47	mg/L	1		SM 5310C	Dissolved

Client Sample ID: PNC-01_20250428_FBLL — Lab Sample ID: 500-267552-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	0.22	J	0.50	0.20	ng/L	1		1631E	Total/NA

Client Sample ID: ARC-01_20250428 — Lab Sample ID: 500-267552-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	4.4		0.50	0.20	ng/L	1		1631E	Total/NA
Mercury	3.5		0.50	0.20	ng/L	1		1631E	Dissolved
Uranium	0.044	J	0.050	0.0098	ug/L	1		1638	Total Recoverable
Uranium	0.027	J	0.050	0.0098	ug/L	1		1638	Dissolved
Aluminum	470		100	25	ug/L	1		6020B	Total Recoverable
Arsenic	0.31	J	1.0	0.23	ug/L	1		6020B	Total Recoverable
Barium	15		2.5	0.73	ug/L	1		6020B	Total Recoverable
Boron	47	J	50	13	ug/L	1		6020B	Total Recoverable
Calcium	8800		200	44	ug/L	1		6020B	Total Recoverable
Copper	7.4		2.0	0.50	ug/L	1		6020B	Total Recoverable
Iron	450		100	47	ug/L	1		6020B	Total Recoverable
Lead	0.21	J	0.50	0.19	ug/L	1		6020B	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client Sample ID: ARC-01_20250428 (Continued) — Lab Sample ID: 500-267552-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Magnesium	2200		200	49	ug/L	1		6020B	Total Recoverable
Manganese	16		2.5	0.79	ug/L	1		6020B	Total Recoverable
Potassium	1100		500	110	ug/L	1		6020B	Total Recoverable
Sodium	940		200	77	ug/L	1		6020B	Total Recoverable
Strontium	22		4.0	0.64	ug/L	1		6020B	Total Recoverable
Aluminum	140		100	25	ug/L	1		6020B	Dissolved
Arsenic	0.26	J	1.0	0.23	ug/L	1		6020B	Dissolved
Barium	12		2.5	0.73	ug/L	1		6020B	Dissolved
Boron	29	J	50	13	ug/L	1		6020B	Dissolved
Calcium	8600		200	44	ug/L	1		6020B	Dissolved
Copper	6.2		2.0	0.50	ug/L	1		6020B	Dissolved
Iron	180		100	47	ug/L	1		6020B	Dissolved
Magnesium	2100		200	49	ug/L	1		6020B	Dissolved
Manganese	7.2		2.5	0.79	ug/L	1		6020B	Dissolved
Potassium	890		500	110	ug/L	1		6020B	Dissolved
Sodium	920		200	77	ug/L	1		6020B	Dissolved
Strontium	21		4.0	0.64	ug/L	1		6020B	Dissolved
Hardness as calcium carbonate	31		0.91	0.46	mg/L	1		SM 2340B	Total Recoverable
Chloride	0.50	J	1.0	0.42	mg/L	1		300.0	Total/NA
Sulfate	0.87	J	1.0	0.47	mg/L	1		300.0	Total/NA
Phosphorus as P	0.048	J	0.050	0.024	mg/L	1		365.1	Total/NA
Alkalinity	30		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	30		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Total Suspended Solids	4.2	J	5.0	1.9	mg/L	1		SM 2540D	Total/NA
Sulfide	0.65	J	1.0	0.23	mg/L	1		SM 4500 S2 F	Total/NA
Total Organic Carbon	7.3		1.0	0.47	mg/L	1		SM 5310C	Total/NA
Dissolved Organic Carbon	6.9		1.0	0.47	mg/L	1		SM 5310C	Dissolved

Client Sample ID: ARC-01_20250428_FBLL — Lab Sample ID: 500-267552-8

No Detections.

Client Sample ID: MLR-01_20250428 — Lab Sample ID: 500-267552-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl Mercury	0.064	B	0.050	0.022	ng/L	1		1630	Total/NA
Methyl Mercury	0.11	B	0.050	0.022	ng/L	1		1630	Dissolved
Mercury	5.8		0.50	0.20	ng/L	1		1631E	Total/NA
Mercury	3.9		0.50	0.20	ng/L	1		1631E	Dissolved
Uranium	0.16		0.050	0.0098	ug/L	1		1638	Total Recoverable
Uranium	0.13		0.050	0.0098	ug/L	1		1638	Dissolved
Aluminum	930		100	25	ug/L	1		6020B	Total Recoverable
Arsenic	0.37	J	1.0	0.23	ug/L	1		6020B	Total Recoverable
Barium	17		2.5	0.73	ug/L	1		6020B	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client Sample ID: MLR-01_20250428 (Continued) — Lab Sample ID: 500-267552-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Boron	32	J	50	13	ug/L	1		6020B	Total Recoverable
Calcium	6000		200	44	ug/L	1		6020B	Total Recoverable
Chromium	1.2	J	5.0	1.1	ug/L	1		6020B	Total Recoverable
Copper	8.3		2.0	0.50	ug/L	1		6020B	Total Recoverable
Iron	860		100	47	ug/L	1		6020B	Total Recoverable
Lead	0.36	J	0.50	0.19	ug/L	1		6020B	Total Recoverable
Magnesium	1700		200	49	ug/L	1		6020B	Total Recoverable
Manganese	27		2.5	0.79	ug/L	1		6020B	Total Recoverable
Nickel	1.0	J	2.0	0.63	ug/L	1		6020B	Total Recoverable
Potassium	690		500	110	ug/L	1		6020B	Total Recoverable
Sodium	1100		200	77	ug/L	1		6020B	Total Recoverable
Strontium	17		4.0	0.64	ug/L	1		6020B	Total Recoverable
Vanadium	2.4	J	5.0	2.2	ug/L	1		6020B	Total Recoverable
Aluminum	120		100	25	ug/L	1		6020B	Dissolved
Arsenic	0.24	J	1.0	0.23	ug/L	1		6020B	Dissolved
Barium	10		2.5	0.73	ug/L	1		6020B	Dissolved
Boron	31	J	50	13	ug/L	1		6020B	Dissolved
Calcium	6000		200	44	ug/L	1		6020B	Dissolved
Copper	6.7		2.0	0.50	ug/L	1		6020B	Dissolved
Iron	190		100	47	ug/L	1		6020B	Dissolved
Magnesium	1600		200	49	ug/L	1		6020B	Dissolved
Manganese	16		2.5	0.79	ug/L	1		6020B	Dissolved
Potassium	530		500	110	ug/L	1		6020B	Dissolved
Sodium	1100		200	77	ug/L	1		6020B	Dissolved
Strontium	17		4.0	0.64	ug/L	1		6020B	Dissolved
Hardness as calcium carbonate	22		0.91	0.46	mg/L	1		SM 2340B	Total Recoverable
Sulfate	0.92	J	1.0	0.47	mg/L	1		300.0	Total/NA
Phosphorus as P	0.055		0.050	0.024	mg/L	1		365.1	Total/NA
Alkalinity	20		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	20		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	16		10	4.3	mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	10		5.0	1.9	mg/L	1		SM 2540D	Total/NA
Sulfide	1.0		1.0	0.23	mg/L	1		SM 4500 S2 F	Total/NA
Total Organic Carbon	7.9		1.0	0.47	mg/L	1		SM 5310C	Total/NA
Dissolved Organic Carbon	7.7		1.0	0.47	mg/L	1		SM 5310C	Dissolved

Client Sample ID: MLR-01_20250428_FBLL — Lab Sample ID: 500-267552-10

No Detections.

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267552-1

Client Sample ID: DKC-01_20250428

Lab Sample ID: 500-267552-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl Mercury	0.074	B	0.050	0.022	ng/L	1		1630	Total/NA
Methyl Mercury	0.041	J B	0.050	0.022	ng/L	1		1630	Dissolved
Mercury	5.3		0.50	0.20	ng/L	1		1631E	Total/NA
Mercury	3.5		0.50	0.20	ng/L	1		1631E	Dissolved
Uranium	0.16		0.050	0.0098	ug/L	1		1638	Total Recoverable
Uranium	0.11		0.050	0.0098	ug/L	1		1638	Dissolved
Aluminum	1700		100	25	ug/L	1		6020B	Total Recoverable
Arsenic	0.46	J	1.0	0.23	ug/L	1		6020B	Total Recoverable
Barium	30		2.5	0.73	ug/L	1		6020B	Total Recoverable
Boron	27	J	50	13	ug/L	1		6020B	Total Recoverable
Calcium	8000		200	44	ug/L	1		6020B	Total Recoverable
Chromium	3.5	J	5.0	1.1	ug/L	1		6020B	Total Recoverable
Cobalt	0.76	J	1.0	0.40	ug/L	1		6020B	Total Recoverable
Copper	6.7		2.0	0.50	ug/L	1		6020B	Total Recoverable
Iron	1300		100	47	ug/L	1		6020B	Total Recoverable
Lead	0.58		0.50	0.19	ug/L	1		6020B	Total Recoverable
Magnesium	2400		200	49	ug/L	1		6020B	Total Recoverable
Manganese	29		2.5	0.79	ug/L	1		6020B	Total Recoverable
Nickel	6.8		2.0	0.63	ug/L	1		6020B	Total Recoverable
Potassium	940		500	110	ug/L	1		6020B	Total Recoverable
Sodium	820		200	77	ug/L	1		6020B	Total Recoverable
Strontium	19		4.0	0.64	ug/L	1		6020B	Total Recoverable
Vanadium	4.4	J	5.0	2.2	ug/L	1		6020B	Total Recoverable
Aluminum	89	J	100	25	ug/L	1		6020B	Dissolved
Arsenic	0.23	J	1.0	0.23	ug/L	1		6020B	Dissolved
Barium	15		2.5	0.73	ug/L	1		6020B	Dissolved
Boron	26	J	50	13	ug/L	1		6020B	Dissolved
Calcium	7500		200	44	ug/L	1		6020B	Dissolved
Chromium	1.3	J	5.0	1.1	ug/L	1		6020B	Dissolved
Copper	4.7		2.0	0.50	ug/L	1		6020B	Dissolved
Iron	86	J	100	47	ug/L	1		6020B	Dissolved
Magnesium	1900		200	49	ug/L	1		6020B	Dissolved
Manganese	3.4		2.5	0.79	ug/L	1		6020B	Dissolved
Nickel	1.9	J	2.0	0.63	ug/L	1		6020B	Dissolved
Potassium	540		500	110	ug/L	1		6020B	Dissolved
Sodium	740		200	77	ug/L	1		6020B	Dissolved
Strontium	17		4.0	0.64	ug/L	1		6020B	Dissolved

This Detection Summary does not include radiochemical test results.

Client Sample ID: DKC-01_20250428 (Continued) — Lab Sample ID: 500-267552-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Hardness as calcium carbonate	30		0.91	0.46	mg/L	1		SM 2340B	Total Recoverable
Sulfate	1.1		1.0	0.47	mg/L	1		300.0	Total/NA
Phosphorus as P	3.9		0.050	0.024	mg/L	1		365.1	Total/NA
Alkalinity	25		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	25		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	24		10	4.3	mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	31		5.0	1.9	mg/L	1		SM 2540D	Total/NA
Sulfide	0.32	J	1.0	0.23	mg/L	1		SM 4500 S2 F	Total/NA
Total Organic Carbon	6.7		1.0	0.47	mg/L	1		SM 5310C	Total/NA
Dissolved Organic Carbon	6.6		1.0	0.47	mg/L	1		SM 5310C	Dissolved

Client Sample ID: DKC-01_20250428_FBLL — Lab Sample ID: 500-267552-12

No Detections.

This Detection Summary does not include radiochemical test results.

Method Summary

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267552-1

Method	Method Description	Protocol	Laboratory
1630	Methyl Mercury	EPA	EET SSM
1631E	Mercury, Low Level (CVAFS)	EPA	EET SSM
1638	Metals (ICP/MS)	EPA	EET SSM
6020B	Metals (ICP/MS)	SW846	EET CHI
SM 2340B	Total Hardness (as CaCO3) by calculation	SM	EET CHI
300.0	Anions, Ion Chromatography	EPA	EET CHI
335.4	Cyanide, Total	EPA	EET CHI
350.1	Nitrogen, Ammonia	EPA	EET CHI
365.1	Phosphorus, Total	EPA	EET CHI
SM 2320B	Alkalinity	SM	EET CHI
SM 2520B	Salinity	SM	EET CHI
SM 2540C	Solids, Total Dissolved (TDS)	SM	EET CHI
SM 2540D	Solids, Total Suspended (TSS)	SM	EET CHI
SM 4500 S2 F	Sulfide, Total	SM	EET CHI
SM 5310C	Organic Carbon, Dissolved (DOC)	SM	EET CHI
SM 5310C	TOC	SM	EET CHI
1630	Distillation, Methyl Mercury	EPA	EET SSM
1638	Preparation, Total Recoverable Metals	EPA	EET SSM
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET CHI
365.2/365.3/365	Phosphorus, Total	EPA	EET CHI
Distill/Ammonia	Distillation, Ammonia	None	EET CHI
Distill/CN	Distillation, Cyanide	None	EET CHI

Protocol References:

EPA = US Environmental Protection Agency

None = None

SM = "Standard Methods For The Examination Of Water And Wastewater"

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET CHI = Eurofins Chicago, 18410 Crossing Drive, Suite E, Tinley Park, IL 60487, TEL (708)534-5200

EET SSM = Eurofins Seattle Specialty Metals, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

Sample Summary

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267552-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-267552-1	MW-3A_20250428	Water	04/28/25 11:00	04/30/25 09:15
500-267552-2	MW-3A_20250428_FBLL	Water	04/28/25 11:00	04/30/25 09:15
500-267552-3	ARC-03_20250428	Water	04/28/25 15:40	04/30/25 09:15
500-267552-4	ARC-03_20250428_FBLL	Water	04/28/25 15:40	04/30/25 09:15
500-267552-5	PNC-01_20250428	Water	04/28/25 14:30	04/30/25 09:15
500-267552-6	PNC-01_20250428_FBLL	Water	04/28/25 14:30	04/30/25 09:15
500-267552-7	ARC-01_20250428	Water	04/28/25 13:45	04/30/25 09:15
500-267552-8	ARC-01_20250428_FBLL	Water	04/28/25 13:45	04/30/25 09:15
500-267552-9	MLR-01_20250428	Water	04/28/25 09:50	04/30/25 09:15
500-267552-10	MLR-01_20250428_FBLL	Water	04/28/25 09:50	04/30/25 09:15
500-267552-11	DKC-01_20250428	Water	04/28/25 12:00	04/30/25 09:15
500-267552-12	DKC-01_20250428_FBLL	Water	04/28/25 12:00	04/30/25 09:15

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267552-1

Client Sample ID: MW-3A_20250428

Date Collected: 04/28/25 11:00
Date Received: 04/30/25 09:15

Lab Sample ID: 500-267552-1
Matrix: Water

Method: EPA 1630 - Methyl Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		05/15/25 10:30	05/15/25 22:40	1

Method: EPA 1630 - Methyl Mercury - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		05/15/25 10:30	05/15/25 22:50	1

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.53**		0.50	0.20	ng/L			05/08/25 00:10	1

Method: EPA 1631E - Mercury, Low Level (CVAFS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.49**	**J**	0.50	0.20	ng/L			05/08/25 01:04	1

Method: EPA 1638 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**8.0**		0.050	0.0098	ug/L		05/21/25 11:14	05/21/25 22:53	1

Method: EPA 1638 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**7.9**		0.050	0.0098	ug/L		05/21/25 11:14	05/21/25 22:05	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<25		100	25	ug/L		05/08/25 16:11	05/09/25 14:26	1
Antimony	<1.3		3.0	1.3	ug/L		05/08/25 16:11	05/09/25 14:26	1
Arsenic	**1.3**		1.0	0.23	ug/L		05/08/25 16:11	05/09/25 14:26	1
Barium	**1100**		2.5	0.73	ug/L		05/08/25 16:11	05/09/25 14:26	1
Beryllium	<0.53		1.0	0.53	ug/L		05/08/25 16:11	05/12/25 14:05	1
Boron	**460**		50	13	ug/L		05/08/25 16:11	05/12/25 14:05	1
Cadmium	<0.17		0.50	0.17	ug/L		05/08/25 16:11	05/09/25 14:26	1
Calcium	**260000**		200	44	ug/L		05/08/25 16:11	05/09/25 14:26	1
Chromium	<1.1		5.0	1.1	ug/L		05/08/25 16:11	05/09/25 14:26	1
Cobalt	**2.1**		1.0	0.40	ug/L		05/08/25 16:11	05/09/25 14:26	1
Copper	**1.1**	**J**	2.0	0.50	ug/L		05/08/25 16:11	05/09/25 14:26	1
Iron	**4100**		100	47	ug/L		05/08/25 16:11	05/09/25 14:26	1
Lead	<0.19		0.50	0.19	ug/L		05/08/25 16:11	05/09/25 14:26	1
Lithium	**94**		10	2.5	ug/L		05/08/25 16:11	05/09/25 14:26	1
Magnesium	**57000**		200	49	ug/L		05/08/25 16:11	05/09/25 14:26	1
Manganese	**4900**		2.5	0.79	ug/L		05/08/25 16:11	05/09/25 14:26	1
Molybdenum	<2.5		5.0	2.5	ug/L		05/08/25 16:11	05/09/25 14:26	1
Nickel	**3.4**		2.0	0.63	ug/L		05/08/25 16:11	05/09/25 14:26	1
Potassium	**2300**		500	110	ug/L		05/08/25 16:11	05/09/25 14:26	1
Selenium	<0.98		2.5	0.98	ug/L		05/08/25 16:11	05/09/25 14:26	1
Silver	<0.12		0.50	0.12	ug/L		05/08/25 16:11	05/09/25 14:26	1
Sodium	**160000**		200	77	ug/L		05/08/25 16:11	05/09/25 14:26	1
Strontium	**5100**		4.0	0.64	ug/L		05/08/25 16:11	05/09/25 14:26	1
Thallium	<0.57		2.0	0.57	ug/L		05/08/25 16:11	05/09/25 14:26	1
Tin	<1.3		5.0	1.3	ug/L		05/08/25 16:11	05/09/25 14:26	1
Vanadium	<2.2		5.0	2.2	ug/L		05/08/25 16:11	05/09/25 14:26	1
Zinc	**14**	**J**	20	6.9	ug/L		05/08/25 16:11	05/09/25 14:26	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267552-1

Client Sample ID: MW-3A_20250428

Date Collected: 04/28/25 11:00
Date Received: 04/30/25 09:15

Lab Sample ID: 500-267552-1
Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<25		100	25	ug/L		05/08/25 16:11	05/09/25 14:28	1
Antimony	<1.3		3.0	1.3	ug/L		05/08/25 16:11	05/09/25 14:28	1
Arsenic	**0.88**	**J**	1.0	0.23	ug/L		05/08/25 16:11	05/09/25 14:28	1
Barium	**1000**		2.5	0.73	ug/L		05/08/25 16:11	05/09/25 14:28	1
Beryllium	<0.53		1.0	0.53	ug/L		05/08/25 16:11	05/12/25 14:07	1
Boron	**420**		50	13	ug/L		05/08/25 16:11	05/12/25 14:07	1
Cadmium	<0.17		0.50	0.17	ug/L		05/08/25 16:11	05/09/25 14:28	1
Calcium	**250000**		200	44	ug/L		05/08/25 16:11	05/09/25 14:28	1
Chromium	<1.1		5.0	1.1	ug/L		05/08/25 16:11	05/09/25 14:28	1
Cobalt	**2.0**		1.0	0.40	ug/L		05/08/25 16:11	05/09/25 14:28	1
Copper	<0.50		2.0	0.50	ug/L		05/08/25 16:11	05/09/25 14:28	1
Iron	**2800**		100	47	ug/L		05/08/25 16:11	05/09/25 14:28	1
Lead	<0.19		0.50	0.19	ug/L		05/08/25 16:11	05/09/25 14:28	1
Lithium	**91**		10	2.5	ug/L		05/08/25 16:11	05/09/25 14:28	1
Magnesium	**57000**		200	49	ug/L		05/08/25 16:11	05/09/25 14:28	1
Manganese	**4900**		2.5	0.79	ug/L		05/08/25 16:11	05/09/25 14:28	1
Molybdenum	<2.5		5.0	2.5	ug/L		05/08/25 16:11	05/09/25 14:28	1
Nickel	**3.4**		2.0	0.63	ug/L		05/08/25 16:11	05/09/25 14:28	1
Potassium	**2200**		500	110	ug/L		05/08/25 16:11	05/09/25 14:28	1
Selenium	<0.98		2.5	0.98	ug/L		05/08/25 16:11	05/09/25 14:28	1
Silver	<0.12		0.50	0.12	ug/L		05/08/25 16:11	05/09/25 14:28	1
Sodium	**160000**		200	77	ug/L		05/08/25 16:11	05/09/25 14:28	1
Strontium	**5000**		4.0	0.64	ug/L		05/08/25 16:11	05/09/25 14:28	1
Thallium	<0.57		2.0	0.57	ug/L		05/08/25 16:11	05/09/25 14:28	1
Tin	<1.3		5.0	1.3	ug/L		05/08/25 16:11	05/09/25 14:28	1
Vanadium	<2.2		5.0	2.2	ug/L		05/08/25 16:11	05/09/25 14:28	1
Zinc	**11**	**J**	20	6.9	ug/L		05/08/25 16:11	05/09/25 14:28	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**880**		0.91	0.46	mg/L		05/08/25 16:11	05/12/25 09:52	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	**4.8**		1.0	0.45	mg/L			04/30/25 14:13	1
Nitrate as N (EPA 300.0)	<0.37	H	1.0	0.37	mg/L			04/30/25 14:13	1
Chloride (EPA 300.0)	**480**		20	8.4	mg/L			05/17/25 23:13	20
Nitrite as N (EPA 300.0)	<0.25	H	1.0	0.25	mg/L			04/30/25 14:13	1
Fluoride (EPA 300.0)	<0.43		1.0	0.43	mg/L			04/30/25 14:13	1
Nitrate Nitrite as N (EPA 300.0)	<0.37	H	1.0	0.37	mg/L			04/30/25 14:13	1
Sulfate (EPA 300.0)	**2.8**		1.0	0.47	mg/L			04/30/25 14:13	1
Cyanide, Total (EPA 335.4)	<0.0036		0.0050	0.0036	mg/L		05/07/25 14:54	05/08/25 13:50	1
Ammonia (EPA 350.1)	**0.12**	**J**	0.20	0.10	mg/L		05/16/25 11:18	05/16/25 15:27	1
Phosphorus as P (EPA 365.1)	**0.027**	**J**	0.050	0.024	mg/L		05/01/25 09:00	05/03/25 11:51	1
Alkalinity (SM 2320B)	**480**		5.0	3.7	mg/L			05/05/25 20:22	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**480**		5.0	3.7	mg/L			05/05/25 20:22	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<3.7		5.0	3.7	mg/L			05/05/25 20:22	1
Salinity (SM 2520B)	**1.2**		0.33	0.33	psu			05/08/25 07:50	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267552-1

Client Sample ID: MW-3A_20250428
Date Collected: 04/28/25 11:00
Date Received: 04/30/25 09:15

Lab Sample ID: 500-267552-1
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	1400		10	4.3	mg/L			05/01/25 03:45	1
Total Suspended Solids (SM 2540D)	13		5.0	1.9	mg/L			04/30/25 14:54	1
Sulfide (SM 4500 S2 F)	<0.23		1.0	0.23	mg/L			05/01/25 00:47	1
Total Organic Carbon (SM 5310C)	3.7		1.0	0.47	mg/L			05/05/25 11:58	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon (SM 5310C)	3.4		1.0	0.47	mg/L			05/13/25 09:29	1

Client Sample Results

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267552-1

Client Sample ID: MW-3A_20250428_FBLL
Date Collected: 04/28/25 11:00
Date Received: 04/30/25 09:15

Lab Sample ID: 500-267552-2
Matrix: Water

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			05/08/25 00:14	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267552-1

Client Sample ID: ARC-03_20250428

Date Collected: 04/28/25 15:40
Date Received: 04/30/25 09:15

Lab Sample ID: 500-267552-3

Matrix: Water

Method: EPA 1630 - Methyl Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		05/15/25 10:30	05/15/25 23:00	1

Method: EPA 1630 - Methyl Mercury - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		05/15/25 10:30	05/15/25 23:10	1

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**5.0**		0.50	0.20	ng/L			05/08/25 00:18	1

Method: EPA 1631E - Mercury, Low Level (CVAFS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**4.2**		0.50	0.20	ng/L			05/08/25 01:08	1

Method: EPA 1638 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.22**		0.050	0.0098	ug/L		05/21/25 11:14	05/21/25 22:57	1

Method: EPA 1638 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.17**		0.050	0.0098	ug/L		05/21/25 11:14	05/21/25 22:27	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**600**		100	25	ug/L		05/08/25 16:11	05/09/25 14:30	1
Antimony	<1.3		3.0	1.3	ug/L		05/08/25 16:11	05/09/25 14:30	1
Arsenic	**0.36**	**J**	1.0	0.23	ug/L		05/08/25 16:11	05/09/25 14:30	1
Barium	**27**		2.5	0.73	ug/L		05/08/25 16:11	05/09/25 14:30	1
Beryllium	<0.53		1.0	0.53	ug/L		05/08/25 16:11	05/12/25 14:10	1
Boron	**51**		50	13	ug/L		05/08/25 16:11	05/12/25 14:10	1
Cadmium	<0.17		0.50	0.17	ug/L		05/08/25 16:11	05/09/25 14:30	1
Calcium	**9300**		200	44	ug/L		05/08/25 16:11	05/09/25 14:30	1
Chromium	<1.1		5.0	1.1	ug/L		05/08/25 16:11	05/09/25 14:30	1
Cobalt	<0.40		1.0	0.40	ug/L		05/08/25 16:11	05/09/25 14:30	1
Copper	**9.0**		2.0	0.50	ug/L		05/08/25 16:11	05/09/25 14:30	1
Iron	**600**		100	47	ug/L		05/08/25 16:11	05/09/25 14:30	1
Lead	**0.27**	**J**	0.50	0.19	ug/L		05/08/25 16:11	05/09/25 14:30	1
Lithium	<2.5		10	2.5	ug/L		05/08/25 16:11	05/09/25 14:30	1
Magnesium	**2200**		200	49	ug/L		05/08/25 16:11	05/09/25 14:30	1
Manganese	**14**		2.5	0.79	ug/L		05/08/25 16:11	05/09/25 14:30	1
Molybdenum	<2.5		5.0	2.5	ug/L		05/08/25 16:11	05/09/25 14:30	1
Nickel	**0.85**	**J**	2.0	0.63	ug/L		05/08/25 16:11	05/09/25 14:30	1
Potassium	**910**		500	110	ug/L		05/08/25 16:11	05/09/25 14:30	1
Selenium	<0.98		2.5	0.98	ug/L		05/08/25 16:11	05/09/25 14:30	1
Silver	<0.12		0.50	0.12	ug/L		05/08/25 16:11	05/09/25 14:30	1
Sodium	**2100**		200	77	ug/L		05/08/25 16:11	05/09/25 14:30	1
Strontium	**37**		4.0	0.64	ug/L		05/08/25 16:11	05/09/25 14:30	1
Thallium	<0.57		2.0	0.57	ug/L		05/08/25 16:11	05/09/25 14:30	1
Tin	<1.3		5.0	1.3	ug/L		05/08/25 16:11	05/09/25 14:30	1
Vanadium	**2.2**	**J**	5.0	2.2	ug/L		05/08/25 16:11	05/09/25 14:30	1
Zinc	<6.9		20	6.9	ug/L		05/08/25 16:11	05/09/25 14:30	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267552-1

Client Sample ID: ARC-03_20250428

Date Collected: 04/28/25 15:40
Date Received: 04/30/25 09:15

Lab Sample ID: 500-267552-3

Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**120**		100	25	ug/L		05/08/25 16:11	05/09/25 14:33	1
Antimony	<1.3		3.0	1.3	ug/L		05/08/25 16:11	05/09/25 14:33	1
Arsenic	**0.29**	**J**	1.0	0.23	ug/L		05/08/25 16:11	05/09/25 14:33	1
Barium	**23**		2.5	0.73	ug/L		05/08/25 16:11	05/09/25 14:33	1
Beryllium	<0.53		1.0	0.53	ug/L		05/08/25 16:11	05/12/25 14:37	1
Boron	**81**		50	13	ug/L		05/08/25 16:11	05/12/25 14:37	1
Cadmium	<0.17		0.50	0.17	ug/L		05/08/25 16:11	05/09/25 14:33	1
Calcium	**9100**		200	44	ug/L		05/08/25 16:11	05/09/25 14:33	1
Chromium	<1.1		5.0	1.1	ug/L		05/08/25 16:11	05/09/25 14:33	1
Cobalt	<0.40		1.0	0.40	ug/L		05/08/25 16:11	05/09/25 14:33	1
Copper	**7.6**		2.0	0.50	ug/L		05/08/25 16:11	05/09/25 14:33	1
Iron	**200**		100	47	ug/L		05/08/25 16:11	05/09/25 14:33	1
Lead	<0.19		0.50	0.19	ug/L		05/08/25 16:11	05/09/25 14:33	1
Lithium	<2.5		10	2.5	ug/L		05/08/25 16:11	05/09/25 14:33	1
Magnesium	**2100**		200	49	ug/L		05/08/25 16:11	05/09/25 14:33	1
Manganese	**6.3**		2.5	0.79	ug/L		05/08/25 16:11	05/09/25 14:33	1
Molybdenum	<2.5		5.0	2.5	ug/L		05/08/25 16:11	05/09/25 14:33	1
Nickel	<0.63		2.0	0.63	ug/L		05/08/25 16:11	05/09/25 14:33	1
Potassium	**820**		500	110	ug/L		05/08/25 16:11	05/09/25 14:33	1
Selenium	<0.98		2.5	0.98	ug/L		05/08/25 16:11	05/09/25 14:33	1
Silver	<0.12		0.50	0.12	ug/L		05/08/25 16:11	05/09/25 14:33	1
Sodium	**2100**		200	77	ug/L		05/08/25 16:11	05/09/25 14:33	1
Strontium	**36**		4.0	0.64	ug/L		05/08/25 16:11	05/09/25 14:33	1
Thallium	<0.57		2.0	0.57	ug/L		05/08/25 16:11	05/09/25 14:33	1
Tin	<1.3		5.0	1.3	ug/L		05/08/25 16:11	05/09/25 14:33	1
Vanadium	<2.2		5.0	2.2	ug/L		05/08/25 16:11	05/09/25 14:33	1
Zinc	<6.9		20	6.9	ug/L		05/08/25 16:11	05/09/25 14:33	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**32**		0.91	0.46	mg/L		05/08/25 16:11	05/12/25 09:52	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	<0.45		1.0	0.45	mg/L			04/30/25 13:43	1
Nitrate as N (EPA 300.0)	<0.37		1.0	0.37	mg/L			04/30/25 13:43	1
Chloride (EPA 300.0)	**1.8**		1.0	0.42	mg/L			04/30/25 13:43	1
Nitrite as N (EPA 300.0)	<0.25		1.0	0.25	mg/L			04/30/25 13:43	1
Fluoride (EPA 300.0)	<0.43		1.0	0.43	mg/L			04/30/25 13:43	1
Nitrate Nitrite as N (EPA 300.0)	<0.37		1.0	0.37	mg/L			04/30/25 13:43	1
Sulfate (EPA 300.0)	**1.1**		1.0	0.47	mg/L			04/30/25 13:43	1
Cyanide, Total (EPA 335.4)	<0.0036		0.0050	0.0036	mg/L		05/07/25 14:54	05/08/25 13:51	1
Ammonia (EPA 350.1)	<0.10		0.20	0.10	mg/L		05/16/25 11:18	05/16/25 15:28	1
Phosphorus as P (EPA 365.1)	**0.029**	**J**	0.050	0.024	mg/L		05/01/25 09:00	05/03/25 11:52	1
Alkalinity (SM 2320B)	**29**		5.0	3.7	mg/L			05/05/25 20:32	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**29**		5.0	3.7	mg/L			05/05/25 20:32	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<3.7		5.0	3.7	mg/L			05/05/25 20:32	1
Salinity (SM 2520B)	<0.33		0.33	0.33	psu			05/11/25 12:45	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267552-1

Client Sample ID: ARC-03_20250428
Date Collected: 04/28/25 15:40
Date Received: 04/30/25 09:15

Lab Sample ID: 500-267552-3
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	98		10	4.3	mg/L			05/01/25 03:48	1
Total Suspended Solids (SM 2540D)	6.8		5.0	1.9	mg/L			04/30/25 14:58	1
Sulfide (SM 4500 S2 F)	1.7		1.0	0.23	mg/L			05/01/25 00:52	1
Total Organic Carbon (SM 5310C)	8.2		1.0	0.47	mg/L			05/05/25 12:31	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon (SM 5310C)	7.6		1.0	0.47	mg/L			05/07/25 02:16	1

Client Sample Results

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267552-1

Client Sample ID: ARC-03_20250428_FBLL
Date Collected: 04/28/25 15:40
Date Received: 04/30/25 09:15

Lab Sample ID: 500-267552-4
Matrix: Water

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			05/08/25 00:22	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267552-1

Client Sample ID: PNC-01_20250428

Date Collected: 04/28/25 14:30
Date Received: 04/30/25 09:15

Lab Sample ID: 500-267552-5

Matrix: Water

Method: EPA 1630 - Methyl Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		05/15/25 10:30	05/15/25 23:41	1

Method: EPA 1630 - Methyl Mercury - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		05/15/25 10:30	05/15/25 23:51	1

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**5.4**		0.50	0.20	ng/L			05/08/25 00:26	1

Method: EPA 1631E - Mercury, Low Level (CVAFS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**4.2**		0.50	0.20	ng/L			05/08/25 01:12	1

Method: EPA 1638 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.071**		0.050	0.0098	ug/L		05/21/25 11:14	05/21/25 23:00	1

Method: EPA 1638 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.065**		0.050	0.0098	ug/L		05/21/25 11:14	05/21/25 22:31	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**490**		100	25	ug/L		05/08/25 16:11	05/09/25 14:43	1
Antimony	<1.3		3.0	1.3	ug/L		05/08/25 16:11	05/09/25 14:43	1
Arsenic	**0.34**	**J**	1.0	0.23	ug/L		05/08/25 16:11	05/09/25 14:43	1
Barium	**12**		2.5	0.73	ug/L		05/08/25 16:11	05/09/25 14:43	1
Beryllium	<0.53		1.0	0.53	ug/L		05/08/25 16:11	05/09/25 14:43	1
Boron	**58**		50	13	ug/L		05/08/25 16:11	05/12/25 14:39	1
Cadmium	<0.17		0.50	0.17	ug/L		05/08/25 16:11	05/09/25 14:43	1
Calcium	**7300**		200	44	ug/L		05/08/25 16:11	05/09/25 14:43	1
Chromium	<1.1		5.0	1.1	ug/L		05/08/25 16:11	05/09/25 14:43	1
Cobalt	<0.40		1.0	0.40	ug/L		05/08/25 16:11	05/09/25 14:43	1
Copper	**15**		2.0	0.50	ug/L		05/08/25 16:11	05/09/25 14:43	1
Iron	**550**		100	47	ug/L		05/08/25 16:11	05/09/25 14:43	1
Lead	**0.23**	**J**	0.50	0.19	ug/L		05/08/25 16:11	05/09/25 14:43	1
Lithium	<2.5		10	2.5	ug/L		05/08/25 16:11	05/09/25 14:43	1
Magnesium	**1800**		200	49	ug/L		05/08/25 16:11	05/09/25 14:43	1
Manganese	**35**		2.5	0.79	ug/L		05/08/25 16:11	05/09/25 14:43	1
Molybdenum	<2.5		5.0	2.5	ug/L		05/08/25 16:11	05/09/25 14:43	1
Nickel	<0.63		2.0	0.63	ug/L		05/08/25 16:11	05/09/25 14:43	1
Potassium	**770**		500	110	ug/L		05/08/25 16:11	05/09/25 14:43	1
Selenium	<0.98		2.5	0.98	ug/L		05/08/25 16:11	05/09/25 14:43	1
Silver	<0.12		0.50	0.12	ug/L		05/08/25 16:11	05/09/25 14:43	1
Sodium	**730**		200	77	ug/L		05/08/25 16:11	05/09/25 14:43	1
Strontium	**17**		4.0	0.64	ug/L		05/08/25 16:11	05/09/25 14:43	1
Thallium	<0.57		2.0	0.57	ug/L		05/08/25 16:11	05/09/25 14:43	1
Tin	<1.3		5.0	1.3	ug/L		05/08/25 16:11	05/09/25 14:43	1
Vanadium	<2.2		5.0	2.2	ug/L		05/08/25 16:11	05/09/25 14:43	1
Zinc	<6.9		20	6.9	ug/L		05/08/25 16:11	05/09/25 14:43	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267552-1

Client Sample ID: PNC-01_20250428

Date Collected: 04/28/25 14:30
Date Received: 04/30/25 09:15

Lab Sample ID: 500-267552-5

Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**110**		100	25	ug/L		05/08/25 16:11	05/09/25 14:45	1
Antimony	<1.3		3.0	1.3	ug/L		05/08/25 16:11	05/09/25 14:45	1
Arsenic	**0.26**	**J**	1.0	0.23	ug/L		05/08/25 16:11	05/09/25 14:45	1
Barium	**7.6**		2.5	0.73	ug/L		05/08/25 16:11	05/09/25 14:45	1
Beryllium	<0.53		1.0	0.53	ug/L		05/08/25 16:11	05/09/25 14:45	1
Boron	**47**	**J**	50	13	ug/L		05/08/25 16:11	05/12/25 14:41	1
Cadmium	<0.17		0.50	0.17	ug/L		05/08/25 16:11	05/09/25 14:45	1
Calcium	**5700**		200	44	ug/L		05/08/25 16:11	05/09/25 14:45	1
Chromium	<1.1		5.0	1.1	ug/L		05/08/25 16:11	05/09/25 14:45	1
Cobalt	<0.40		1.0	0.40	ug/L		05/08/25 16:11	05/09/25 14:45	1
Copper	**13**		2.0	0.50	ug/L		05/08/25 16:11	05/09/25 14:45	1
Iron	**160**		100	47	ug/L		05/08/25 16:11	05/09/25 14:45	1
Lead	<0.19		0.50	0.19	ug/L		05/08/25 16:11	05/09/25 14:45	1
Lithium	<2.5		10	2.5	ug/L		05/08/25 16:11	05/09/25 14:45	1
Magnesium	**1400**		200	49	ug/L		05/08/25 16:11	05/09/25 14:45	1
Manganese	**29**		2.5	0.79	ug/L		05/08/25 16:11	05/09/25 14:45	1
Molybdenum	<2.5		5.0	2.5	ug/L		05/08/25 16:11	05/09/25 14:45	1
Nickel	<0.63		2.0	0.63	ug/L		05/08/25 16:11	05/09/25 14:45	1
Potassium	**680**		500	110	ug/L		05/08/25 16:11	05/09/25 14:45	1
Selenium	<0.98		2.5	0.98	ug/L		05/08/25 16:11	05/09/25 14:45	1
Silver	<0.12		0.50	0.12	ug/L		05/08/25 16:11	05/09/25 14:45	1
Sodium	**710**		200	77	ug/L		05/08/25 16:11	05/09/25 14:45	1
Strontium	**14**		4.0	0.64	ug/L		05/08/25 16:11	05/09/25 14:45	1
Thallium	<0.57		2.0	0.57	ug/L		05/08/25 16:11	05/09/25 14:45	1
Tin	<1.3		5.0	1.3	ug/L		05/08/25 16:11	05/09/25 14:45	1
Vanadium	<2.2		5.0	2.2	ug/L		05/08/25 16:11	05/09/25 14:45	1
Zinc	<6.9		20	6.9	ug/L		05/08/25 16:11	05/09/25 14:45	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**26**		0.91	0.46	mg/L		05/08/25 16:11	05/12/25 09:52	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	<0.45		1.0	0.45	mg/L			04/30/25 13:27	1
Nitrate as N (EPA 300.0)	<0.37		1.0	0.37	mg/L			04/30/25 13:27	1
Chloride (EPA 300.0)	<0.42		1.0	0.42	mg/L			04/30/25 13:27	1
Nitrite as N (EPA 300.0)	<0.25		1.0	0.25	mg/L			04/30/25 13:27	1
Fluoride (EPA 300.0)	<0.43		1.0	0.43	mg/L			04/30/25 13:27	1
Nitrate Nitrite as N (EPA 300.0)	<0.37		1.0	0.37	mg/L			04/30/25 13:27	1
Sulfate (EPA 300.0)	**0.81**	**J**	1.0	0.47	mg/L			04/30/25 13:27	1
Cyanide, Total (EPA 335.4)	<0.0036		0.0050	0.0036	mg/L		05/07/25 14:54	05/08/25 13:54	1
Ammonia (EPA 350.1)	<0.10		0.20	0.10	mg/L		05/16/25 11:18	05/16/25 15:28	1
Phosphorus as P (EPA 365.1)	**0.029**	**J**	0.050	0.024	mg/L		05/01/25 09:00	05/03/25 11:53	1
Alkalinity (SM 2320B)	**23**		5.0	3.7	mg/L			05/05/25 20:41	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**23**		5.0	3.7	mg/L			05/05/25 20:41	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<3.7		5.0	3.7	mg/L			05/05/25 20:41	1
Salinity (SM 2520B)	<0.33		0.33	0.33	psu			05/11/25 12:45	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267552-1

Client Sample ID: PNC-01_20250428
Date Collected: 04/28/25 14:30
Date Received: 04/30/25 09:15

Lab Sample ID: 500-267552-5
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	18		10	4.3	mg/L			05/01/25 03:50	1
Total Suspended Solids (SM 2540D)	4.4	J	5.0	1.9	mg/L			04/30/25 15:06	1
Sulfide (SM 4500 S2 F)	2.8		1.0	0.23	mg/L			05/01/25 00:56	1
Total Organic Carbon (SM 5310C)	9.0		1.0	0.47	mg/L			05/05/25 13:03	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon (SM 5310C)	9.4		1.0	0.47	mg/L			05/07/25 02:48	1

Client Sample Results

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267552-1

Client Sample ID: PNC-01_20250428_FBLL
Date Collected: 04/28/25 14:30
Date Received: 04/30/25 09:15

Lab Sample ID: 500-267552-6
Matrix: Water

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.22	J	0.50	0.20	ng/L			05/08/25 00:30	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267552-1

Client Sample ID: ARC-01_20250428

Date Collected: 04/28/25 13:45
Date Received: 04/30/25 09:15

Lab Sample ID: 500-267552-7

Matrix: Water

Method: EPA 1630 - Methyl Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		05/15/25 10:30	05/16/25 00:01	1

Method: EPA 1630 - Methyl Mercury - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		05/15/25 10:30	05/16/25 00:12	1

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**4.4**		0.50	0.20	ng/L			05/08/25 00:35	1

Method: EPA 1631E - Mercury, Low Level (CVAFS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**3.5**		0.50	0.20	ng/L			05/08/25 01:16	1

Method: EPA 1638 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.044**	**J**	0.050	0.0098	ug/L		05/21/25 11:14	05/21/25 22:16	1

Method: EPA 1638 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.027**	**J**	0.050	0.0098	ug/L		05/21/25 11:14	05/21/25 22:42	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**470**		100	25	ug/L		05/08/25 16:11	05/09/25 14:47	1
Antimony	<1.3		3.0	1.3	ug/L		05/08/25 16:11	05/09/25 14:47	1
Arsenic	**0.31**	**J**	1.0	0.23	ug/L		05/08/25 16:11	05/09/25 14:47	1
Barium	**15**		2.5	0.73	ug/L		05/08/25 16:11	05/09/25 14:47	1
Beryllium	<0.53		1.0	0.53	ug/L		05/08/25 16:11	05/09/25 14:47	1
Boron	**47**	**J**	50	13	ug/L		05/08/25 16:11	05/12/25 14:44	1
Cadmium	<0.17		0.50	0.17	ug/L		05/08/25 16:11	05/09/25 14:47	1
Calcium	**8800**		200	44	ug/L		05/08/25 16:11	05/09/25 14:47	1
Chromium	<1.1		5.0	1.1	ug/L		05/08/25 16:11	05/09/25 14:47	1
Cobalt	<0.40		1.0	0.40	ug/L		05/08/25 16:11	05/09/25 14:47	1
Copper	**7.4**		2.0	0.50	ug/L		05/08/25 16:11	05/09/25 14:47	1
Iron	**450**		100	47	ug/L		05/08/25 16:11	05/09/25 14:47	1
Lead	**0.21**	**J**	0.50	0.19	ug/L		05/08/25 16:11	05/09/25 14:47	1
Lithium	<2.5		10	2.5	ug/L		05/08/25 16:11	05/09/25 14:47	1
Magnesium	**2200**		200	49	ug/L		05/08/25 16:11	05/09/25 14:47	1
Manganese	**16**		2.5	0.79	ug/L		05/08/25 16:11	05/09/25 14:47	1
Molybdenum	<2.5		5.0	2.5	ug/L		05/08/25 16:11	05/09/25 14:47	1
Nickel	<0.63		2.0	0.63	ug/L		05/08/25 16:11	05/09/25 14:47	1
Potassium	**1100**		500	110	ug/L		05/08/25 16:11	05/09/25 14:47	1
Selenium	<0.98		2.5	0.98	ug/L		05/08/25 16:11	05/09/25 14:47	1
Silver	<0.12		0.50	0.12	ug/L		05/08/25 16:11	05/09/25 14:47	1
Sodium	**940**		200	77	ug/L		05/08/25 16:11	05/09/25 14:47	1
Strontium	**22**		4.0	0.64	ug/L		05/08/25 16:11	05/09/25 14:47	1
Thallium	<0.57		2.0	0.57	ug/L		05/08/25 16:11	05/09/25 14:47	1
Tin	<1.3		5.0	1.3	ug/L		05/08/25 16:11	05/09/25 14:47	1
Vanadium	<2.2		5.0	2.2	ug/L		05/08/25 16:11	05/09/25 14:47	1
Zinc	<6.9		20	6.9	ug/L		05/08/25 16:11	05/09/25 14:47	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267552-1

Client Sample ID: ARC-01_20250428

Date Collected: 04/28/25 13:45
Date Received: 04/30/25 09:15

Lab Sample ID: 500-267552-7

Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**140**		100	25	ug/L		05/08/25 16:11	05/09/25 14:50	1
Antimony	<1.3		3.0	1.3	ug/L		05/08/25 16:11	05/09/25 14:50	1
Arsenic	**0.26**	**J**	1.0	0.23	ug/L		05/08/25 16:11	05/09/25 14:50	1
Barium	**12**		2.5	0.73	ug/L		05/08/25 16:11	05/09/25 14:50	1
Beryllium	<0.53		1.0	0.53	ug/L		05/08/25 16:11	05/09/25 14:50	1
Boron	**29**	**J**	50	13	ug/L		05/08/25 16:11	05/12/25 15:02	1
Cadmium	<0.17		0.50	0.17	ug/L		05/08/25 16:11	05/09/25 14:50	1
Calcium	**8600**		200	44	ug/L		05/08/25 16:11	05/09/25 14:50	1
Chromium	<1.1		5.0	1.1	ug/L		05/08/25 16:11	05/09/25 14:50	1
Cobalt	<0.40		1.0	0.40	ug/L		05/08/25 16:11	05/09/25 14:50	1
Copper	**6.2**		2.0	0.50	ug/L		05/08/25 16:11	05/09/25 14:50	1
Iron	**180**		100	47	ug/L		05/08/25 16:11	05/09/25 14:50	1
Lead	<0.19		0.50	0.19	ug/L		05/08/25 16:11	05/09/25 14:50	1
Lithium	<2.5		10	2.5	ug/L		05/08/25 16:11	05/09/25 14:50	1
Magnesium	**2100**		200	49	ug/L		05/08/25 16:11	05/09/25 14:50	1
Manganese	**7.2**		2.5	0.79	ug/L		05/08/25 16:11	05/09/25 14:50	1
Molybdenum	<2.5		5.0	2.5	ug/L		05/08/25 16:11	05/09/25 14:50	1
Nickel	<0.63		2.0	0.63	ug/L		05/08/25 16:11	05/09/25 14:50	1
Potassium	**890**		500	110	ug/L		05/08/25 16:11	05/09/25 14:50	1
Selenium	<0.98		2.5	0.98	ug/L		05/08/25 16:11	05/09/25 14:50	1
Silver	<0.12		0.50	0.12	ug/L		05/08/25 16:11	05/09/25 14:50	1
Sodium	**920**		200	77	ug/L		05/08/25 16:11	05/09/25 14:50	1
Strontium	**21**		4.0	0.64	ug/L		05/08/25 16:11	05/09/25 14:50	1
Thallium	<0.57		2.0	0.57	ug/L		05/08/25 16:11	05/09/25 14:50	1
Tin	<1.3		5.0	1.3	ug/L		05/08/25 16:11	05/09/25 14:50	1
Vanadium	<2.2		5.0	2.2	ug/L		05/08/25 16:11	05/09/25 14:50	1
Zinc	<6.9		20	6.9	ug/L		05/08/25 16:11	05/09/25 14:50	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**31**		0.91	0.46	mg/L		05/08/25 16:11	05/12/25 09:52	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	<0.45		1.0	0.45	mg/L			04/30/25 14:29	1
Nitrate as N (EPA 300.0)	<0.37	H	1.0	0.37	mg/L			04/30/25 14:29	1
Chloride (EPA 300.0)	**0.50**	**J**	1.0	0.42	mg/L			04/30/25 14:29	1
Nitrite as N (EPA 300.0)	<0.25	H	1.0	0.25	mg/L			04/30/25 14:29	1
Fluoride (EPA 300.0)	<0.43		1.0	0.43	mg/L			04/30/25 14:29	1
Nitrate Nitrite as N (EPA 300.0)	<0.37	H	1.0	0.37	mg/L			04/30/25 14:29	1
Sulfate (EPA 300.0)	**0.87**	**J**	1.0	0.47	mg/L			04/30/25 14:29	1
Cyanide, Total (EPA 335.4)	<0.0036		0.0050	0.0036	mg/L		05/07/25 14:54	05/08/25 13:54	1
Ammonia (EPA 350.1)	<0.10		0.20	0.10	mg/L		05/16/25 11:18	05/16/25 15:29	1
Phosphorus as P (EPA 365.1)	**0.048**	**J**	0.050	0.024	mg/L		05/01/25 09:00	05/03/25 11:54	1
Alkalinity (SM 2320B)	**30**		5.0	3.7	mg/L			05/05/25 20:52	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**30**		5.0	3.7	mg/L			05/05/25 20:52	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<3.7		5.0	3.7	mg/L			05/05/25 20:52	1
Salinity (SM 2520B)	<0.33		0.33	0.33	psu			05/11/25 12:45	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267552-1

Client Sample ID: ARC-01_20250428
Date Collected: 04/28/25 13:45
Date Received: 04/30/25 09:15

Lab Sample ID: 500-267552-7
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	<4.3		10	4.3	mg/L			05/01/25 03:53	1
Total Suspended Solids (SM 2540D)	**4.2**	**J**	5.0	1.9	mg/L			04/30/25 15:13	1
Sulfide (SM 4500 S2 F)	**0.65**	**J**	1.0	0.23	mg/L			05/01/25 01:00	1
Total Organic Carbon (SM 5310C)	**7.3**		1.0	0.47	mg/L			05/05/25 13:35	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon (SM 5310C)	**6.9**		1.0	0.47	mg/L			05/07/25 05:29	1

Client Sample Results

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267552-1

Client Sample ID: ARC-01_20250428_FBLL
Date Collected: 04/28/25 13:45
Date Received: 04/30/25 09:15

Lab Sample ID: 500-267552-8
Matrix: Water

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			05/20/25 15:52	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267552-1

Client Sample ID: MLR-01_20250428

Date Collected: 04/28/25 09:50
Date Received: 04/30/25 09:15

Lab Sample ID: 500-267552-9

Matrix: Water

Method: EPA 1630 - Methyl Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	0.064	B	0.050	0.022	ng/L		05/16/25 11:04	05/16/25 19:24	1

Method: EPA 1630 - Methyl Mercury - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	0.11	B	0.050	0.022	ng/L		05/16/25 11:04	05/16/25 20:46	1

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	5.8		0.50	0.20	ng/L			05/13/25 19:47	1

Method: EPA 1631E - Mercury, Low Level (CVAFS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	3.9		0.50	0.20	ng/L			05/08/25 01:20	1

Method: EPA 1638 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	0.16		0.050	0.0098	ug/L		05/21/25 11:14	05/21/25 23:04	1

Method: EPA 1638 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	0.13		0.050	0.0098	ug/L		05/21/25 11:14	05/21/25 22:46	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	930		100	25	ug/L		05/08/25 16:11	05/09/25 14:52	1
Antimony	<1.3		3.0	1.3	ug/L		05/08/25 16:11	05/09/25 14:52	1
Arsenic	0.37	J	1.0	0.23	ug/L		05/08/25 16:11	05/09/25 14:52	1
Barium	17		2.5	0.73	ug/L		05/08/25 16:11	05/09/25 14:52	1
Beryllium	<0.53		1.0	0.53	ug/L		05/08/25 16:11	05/09/25 14:52	1
Boron	32	J	50	13	ug/L		05/08/25 16:11	05/12/25 15:05	1
Cadmium	<0.17		0.50	0.17	ug/L		05/08/25 16:11	05/09/25 14:52	1
Calcium	6000		200	44	ug/L		05/08/25 16:11	05/09/25 14:52	1
Chromium	1.2	J	5.0	1.1	ug/L		05/08/25 16:11	05/09/25 14:52	1
Cobalt	<0.40		1.0	0.40	ug/L		05/08/25 16:11	05/09/25 14:52	1
Copper	8.3		2.0	0.50	ug/L		05/08/25 16:11	05/09/25 14:52	1
Iron	860		100	47	ug/L		05/08/25 16:11	05/09/25 14:52	1
Lead	0.36	J	0.50	0.19	ug/L		05/08/25 16:11	05/09/25 14:52	1
Lithium	<2.5		10	2.5	ug/L		05/08/25 16:11	05/09/25 14:52	1
Magnesium	1700		200	49	ug/L		05/08/25 16:11	05/09/25 14:52	1
Manganese	27		2.5	0.79	ug/L		05/08/25 16:11	05/09/25 14:52	1
Molybdenum	<2.5		5.0	2.5	ug/L		05/08/25 16:11	05/09/25 14:52	1
Nickel	1.0	J	2.0	0.63	ug/L		05/08/25 16:11	05/09/25 14:52	1
Potassium	690		500	110	ug/L		05/08/25 16:11	05/09/25 14:52	1
Selenium	<0.98		2.5	0.98	ug/L		05/08/25 16:11	05/09/25 14:52	1
Silver	<0.12		0.50	0.12	ug/L		05/08/25 16:11	05/09/25 14:52	1
Sodium	1100		200	77	ug/L		05/08/25 16:11	05/09/25 14:52	1
Strontium	17		4.0	0.64	ug/L		05/08/25 16:11	05/09/25 14:52	1
Thallium	<0.57		2.0	0.57	ug/L		05/08/25 16:11	05/09/25 14:52	1
Tin	<1.3		5.0	1.3	ug/L		05/08/25 16:11	05/09/25 14:52	1
Vanadium	2.4	J	5.0	2.2	ug/L		05/08/25 16:11	05/09/25 14:52	1
Zinc	<6.9		20	6.9	ug/L		05/08/25 16:11	05/09/25 14:52	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267552-1

Client Sample ID: MLR-01_20250428

Date Collected: 04/28/25 09:50
Date Received: 04/30/25 09:15

Lab Sample ID: 500-267552-9

Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**120**		100	25	ug/L		05/08/25 16:11	05/09/25 14:55	1
Antimony	<1.3		3.0	1.3	ug/L		05/08/25 16:11	05/09/25 14:55	1
Arsenic	**0.24**	**J**	1.0	0.23	ug/L		05/08/25 16:11	05/09/25 14:55	1
Barium	**10**		2.5	0.73	ug/L		05/08/25 16:11	05/09/25 14:55	1
Beryllium	<0.53		1.0	0.53	ug/L		05/08/25 16:11	05/09/25 14:55	1
Boron	**31**	**J**	50	13	ug/L		05/08/25 16:11	05/12/25 15:07	1
Cadmium	<0.17		0.50	0.17	ug/L		05/08/25 16:11	05/09/25 14:55	1
Calcium	**6000**		200	44	ug/L		05/08/25 16:11	05/09/25 14:55	1
Chromium	<1.1		5.0	1.1	ug/L		05/08/25 16:11	05/09/25 14:55	1
Cobalt	<0.40		1.0	0.40	ug/L		05/08/25 16:11	05/09/25 14:55	1
Copper	**6.7**		2.0	0.50	ug/L		05/08/25 16:11	05/09/25 14:55	1
Iron	**190**		100	47	ug/L		05/08/25 16:11	05/09/25 14:55	1
Lead	<0.19		0.50	0.19	ug/L		05/08/25 16:11	05/09/25 14:55	1
Lithium	<2.5		10	2.5	ug/L		05/08/25 16:11	05/09/25 14:55	1
Magnesium	**1600**		200	49	ug/L		05/08/25 16:11	05/09/25 14:55	1
Manganese	**16**		2.5	0.79	ug/L		05/08/25 16:11	05/09/25 14:55	1
Molybdenum	<2.5		5.0	2.5	ug/L		05/08/25 16:11	05/09/25 14:55	1
Nickel	<0.63		2.0	0.63	ug/L		05/08/25 16:11	05/09/25 14:55	1
Potassium	**530**		500	110	ug/L		05/08/25 16:11	05/09/25 14:55	1
Selenium	<0.98		2.5	0.98	ug/L		05/08/25 16:11	05/09/25 14:55	1
Silver	<0.12		0.50	0.12	ug/L		05/08/25 16:11	05/09/25 14:55	1
Sodium	**1100**		200	77	ug/L		05/08/25 16:11	05/09/25 14:55	1
Strontium	**17**		4.0	0.64	ug/L		05/08/25 16:11	05/09/25 14:55	1
Thallium	<0.57		2.0	0.57	ug/L		05/08/25 16:11	05/09/25 14:55	1
Tin	<1.3		5.0	1.3	ug/L		05/08/25 16:11	05/09/25 14:55	1
Vanadium	<2.2		5.0	2.2	ug/L		05/08/25 16:11	05/09/25 14:55	1
Zinc	<6.9		20	6.9	ug/L		05/08/25 16:11	05/09/25 14:55	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**22**		0.91	0.46	mg/L		05/08/25 16:11	05/12/25 09:52	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	<0.45		1.0	0.45	mg/L			04/30/25 14:44	1
Nitrate as N (EPA 300.0)	<0.37	H3	1.0	0.37	mg/L			04/30/25 14:44	1
Chloride (EPA 300.0)	<0.42		1.0	0.42	mg/L			04/30/25 14:44	1
Nitrite as N (EPA 300.0)	<0.25	H3	1.0	0.25	mg/L			04/30/25 14:44	1
Fluoride (EPA 300.0)	<0.43		1.0	0.43	mg/L			04/30/25 14:44	1
Nitrate Nitrite as N (EPA 300.0)	<0.37	H3	1.0	0.37	mg/L			04/30/25 14:44	1
Sulfate (EPA 300.0)	**0.92**	**J**	1.0	0.47	mg/L			04/30/25 14:44	1
Cyanide, Total (EPA 335.4)	<0.0036		0.0050	0.0036	mg/L		05/07/25 14:54	05/08/25 13:54	1
Ammonia (EPA 350.1)	<0.10		0.20	0.10	mg/L		05/16/25 11:18	05/16/25 15:30	1
Phosphorus as P (EPA 365.1)	**0.055**		0.050	0.024	mg/L		05/01/25 09:00	05/03/25 11:57	1
Alkalinity (SM 2320B)	**20**		5.0	3.7	mg/L			05/05/25 21:01	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**20**		5.0	3.7	mg/L			05/05/25 21:01	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<3.7		5.0	3.7	mg/L			05/05/25 21:01	1
Salinity (SM 2520B)	<0.33		0.33	0.33	psu			05/11/25 12:45	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267552-1

Client Sample ID: MLR-01_20250428
Date Collected: 04/28/25 09:50
Date Received: 04/30/25 09:15

Lab Sample ID: 500-267552-9
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	16		10	4.3	mg/L			05/01/25 03:56	1
Total Suspended Solids (SM 2540D)	10		5.0	1.9	mg/L			04/30/25 15:17	1
Sulfide (SM 4500 S2 F)	1.0		1.0	0.23	mg/L			05/01/25 01:04	1
Total Organic Carbon (SM 5310C)	7.9		1.0	0.47	mg/L			05/06/25 18:12	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon (SM 5310C)	7.7		1.0	0.47	mg/L			05/07/25 06:01	1

Client Sample Results

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267552-1

Client Sample ID: MLR-01_20250428_FBLL
Date Collected: 04/28/25 09:50
Date Received: 04/30/25 09:15

Lab Sample ID: 500-267552-10
Matrix: Water

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			05/13/25 19:51	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267552-1

Client Sample ID: DKC-01_20250428

Date Collected: 04/28/25 12:00
Date Received: 04/30/25 09:15

Lab Sample ID: 500-267552-11

Matrix: Water

Method: EPA 1630 - Methyl Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	0.074	B	0.050	0.022	ng/L		05/16/25 11:04	05/16/25 20:56	1

Method: EPA 1630 - Methyl Mercury - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	0.041	J B	0.050	0.022	ng/L		05/16/25 11:04	05/16/25 21:06	1

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	5.3		0.50	0.20	ng/L			05/08/25 01:24	1

Method: EPA 1631E - Mercury, Low Level (CVAFS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	3.5		0.50	0.20	ng/L			05/08/25 01:29	1

Method: EPA 1638 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	0.16		0.050	0.0098	ug/L		05/21/25 11:14	05/21/25 23:08	1

Method: EPA 1638 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	0.11		0.050	0.0098	ug/L		05/21/25 11:14	05/21/25 22:49	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	1700		100	25	ug/L		05/08/25 16:11	05/09/25 14:57	1
Antimony	<1.3		3.0	1.3	ug/L		05/08/25 16:11	05/09/25 14:57	1
Arsenic	0.46	J	1.0	0.23	ug/L		05/08/25 16:11	05/09/25 14:57	1
Barium	30		2.5	0.73	ug/L		05/08/25 16:11	05/09/25 14:57	1
Beryllium	<0.53		1.0	0.53	ug/L		05/08/25 16:11	05/09/25 14:57	1
Boron	27	J	50	13	ug/L		05/08/25 16:11	05/12/25 15:10	1
Cadmium	<0.17		0.50	0.17	ug/L		05/08/25 16:11	05/09/25 14:57	1
Calcium	8000		200	44	ug/L		05/08/25 16:11	05/09/25 14:57	1
Chromium	3.5	J	5.0	1.1	ug/L		05/08/25 16:11	05/09/25 14:57	1
Cobalt	0.76	J	1.0	0.40	ug/L		05/08/25 16:11	05/09/25 14:57	1
Copper	6.7		2.0	0.50	ug/L		05/08/25 16:11	05/09/25 14:57	1
Iron	1300		100	47	ug/L		05/08/25 16:11	05/09/25 14:57	1
Lead	0.58		0.50	0.19	ug/L		05/08/25 16:11	05/09/25 14:57	1
Lithium	<2.5		10	2.5	ug/L		05/08/25 16:11	05/09/25 14:57	1
Magnesium	2400		200	49	ug/L		05/08/25 16:11	05/09/25 14:57	1
Manganese	29		2.5	0.79	ug/L		05/08/25 16:11	05/09/25 14:57	1
Molybdenum	<2.5		5.0	2.5	ug/L		05/08/25 16:11	05/09/25 14:57	1
Nickel	6.8		2.0	0.63	ug/L		05/08/25 16:11	05/09/25 14:57	1
Potassium	940		500	110	ug/L		05/08/25 16:11	05/09/25 14:57	1
Selenium	<0.98		2.5	0.98	ug/L		05/08/25 16:11	05/09/25 14:57	1
Silver	<0.12		0.50	0.12	ug/L		05/08/25 16:11	05/09/25 14:57	1
Sodium	820		200	77	ug/L		05/08/25 16:11	05/09/25 14:57	1
Strontium	19		4.0	0.64	ug/L		05/08/25 16:11	05/09/25 14:57	1
Thallium	<0.57		2.0	0.57	ug/L		05/08/25 16:11	05/09/25 14:57	1
Tin	<1.3		5.0	1.3	ug/L		05/08/25 16:11	05/09/25 14:57	1
Vanadium	4.4	J	5.0	2.2	ug/L		05/08/25 16:11	05/09/25 14:57	1
Zinc	<6.9		20	6.9	ug/L		05/08/25 16:11	05/09/25 14:57	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267552-1

Client Sample ID: DKC-01_20250428

Date Collected: 04/28/25 12:00
Date Received: 04/30/25 09:15

Lab Sample ID: 500-267552-11

Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**89**	**J**	100	25	ug/L		05/08/25 16:11	05/09/25 15:00	1
Antimony	<1.3		3.0	1.3	ug/L		05/08/25 16:11	05/09/25 15:00	1
Arsenic	**0.23**	**J**	1.0	0.23	ug/L		05/08/25 16:11	05/09/25 15:00	1
Barium	**15**		2.5	0.73	ug/L		05/08/25 16:11	05/09/25 15:00	1
Beryllium	<0.53		1.0	0.53	ug/L		05/08/25 16:11	05/09/25 15:00	1
Boron	**26**	**J**	50	13	ug/L		05/08/25 16:11	05/12/25 15:12	1
Cadmium	<0.17		0.50	0.17	ug/L		05/08/25 16:11	05/09/25 15:00	1
Calcium	**7500**		200	44	ug/L		05/08/25 16:11	05/09/25 15:00	1
Chromium	**1.3**	**J**	5.0	1.1	ug/L		05/08/25 16:11	05/09/25 15:00	1
Cobalt	<0.40		1.0	0.40	ug/L		05/08/25 16:11	05/09/25 15:00	1
Copper	**4.7**		2.0	0.50	ug/L		05/08/25 16:11	05/09/25 15:00	1
Iron	**86**	**J**	100	47	ug/L		05/08/25 16:11	05/09/25 15:00	1
Lead	<0.19		0.50	0.19	ug/L		05/08/25 16:11	05/09/25 15:00	1
Lithium	<2.5		10	2.5	ug/L		05/08/25 16:11	05/09/25 15:00	1
Magnesium	**1900**		200	49	ug/L		05/08/25 16:11	05/09/25 15:00	1
Manganese	**3.4**		2.5	0.79	ug/L		05/08/25 16:11	05/09/25 15:00	1
Molybdenum	<2.5		5.0	2.5	ug/L		05/08/25 16:11	05/09/25 15:00	1
Nickel	**1.9**	**J**	2.0	0.63	ug/L		05/08/25 16:11	05/09/25 15:00	1
Potassium	**540**		500	110	ug/L		05/08/25 16:11	05/09/25 15:00	1
Selenium	<0.98		2.5	0.98	ug/L		05/08/25 16:11	05/09/25 15:00	1
Silver	<0.12		0.50	0.12	ug/L		05/08/25 16:11	05/09/25 15:00	1
Sodium	**740**		200	77	ug/L		05/08/25 16:11	05/09/25 15:00	1
Strontium	**17**		4.0	0.64	ug/L		05/08/25 16:11	05/09/25 15:00	1
Thallium	<0.57		2.0	0.57	ug/L		05/08/25 16:11	05/09/25 15:00	1
Tin	<1.3		5.0	1.3	ug/L		05/08/25 16:11	05/09/25 15:00	1
Vanadium	<2.2		5.0	2.2	ug/L		05/08/25 16:11	05/09/25 15:00	1
Zinc	<6.9		20	6.9	ug/L		05/08/25 16:11	05/09/25 15:00	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**30**		0.91	0.46	mg/L		05/08/25 16:11	05/12/25 09:52	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	<0.45		1.0	0.45	mg/L			04/30/25 14:59	1
Nitrate as N (EPA 300.0)	<0.37	H	1.0	0.37	mg/L			04/30/25 14:59	1
Chloride (EPA 300.0)	<0.42		1.0	0.42	mg/L			04/30/25 14:59	1
Nitrite as N (EPA 300.0)	<0.25	H	1.0	0.25	mg/L			04/30/25 14:59	1
Fluoride (EPA 300.0)	<0.43		1.0	0.43	mg/L			04/30/25 14:59	1
Nitrate Nitrite as N (EPA 300.0)	<0.37	H	1.0	0.37	mg/L			04/30/25 14:59	1
Sulfate (EPA 300.0)	**1.1**		1.0	0.47	mg/L			04/30/25 14:59	1
Cyanide, Total (EPA 335.4)	<0.0036		0.0050	0.0036	mg/L		05/07/25 14:54	05/08/25 13:56	1
Ammonia (EPA 350.1)	<0.10		0.20	0.10	mg/L		05/16/25 11:18	05/16/25 15:30	1
Phosphorus as P (EPA 365.1)	**3.9**		0.050	0.024	mg/L		05/01/25 09:00	05/03/25 11:58	1
Alkalinity (SM 2320B)	**25**		5.0	3.7	mg/L			05/05/25 21:09	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**25**		5.0	3.7	mg/L			05/05/25 21:09	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<3.7		5.0	3.7	mg/L			05/05/25 21:09	1
Salinity (SM 2520B)	<0.33		0.33	0.33	psu			05/11/25 12:45	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267552-1

Client Sample ID: DKC-01_20250428
Date Collected: 04/28/25 12:00
Date Received: 04/30/25 09:15

Lab Sample ID: 500-267552-11
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	24		10	4.3	mg/L			05/01/25 03:58	1
Total Suspended Solids (SM 2540D)	31		5.0	1.9	mg/L			04/30/25 15:21	1
Sulfide (SM 4500 S2 F)	0.32	J	1.0	0.23	mg/L			05/01/25 01:08	1
Total Organic Carbon (SM 5310C)	6.7		1.0	0.47	mg/L			05/06/25 18:45	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon (SM 5310C)	6.6		1.0	0.47	mg/L			05/07/25 06:33	1

Client Sample Results

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267552-1

Client Sample ID: DKC-01_20250428_FBLL
Date Collected: 04/28/25 12:00
Date Received: 04/30/25 09:15

Lab Sample ID: 500-267552-12
Matrix: Water

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			05/08/25 01:41	1

Definitions/Glossary

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267552-1

Qualifiers

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
H	Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.
H3	Sample was received and analyzed past holding time. This does not meet regulatory requirements.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Metals

Analysis Batch: 6709

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-267552-1	MW-3A_20250428	Dissolved	Water	1631E	
500-267552-1	MW-3A_20250428	Total/NA	Water	1631E	
500-267552-2	MW-3A_20250428_FBLL	Total/NA	Water	1631E	
500-267552-3	ARC-03_20250428	Dissolved	Water	1631E	
500-267552-3	ARC-03_20250428	Total/NA	Water	1631E	
500-267552-4	ARC-03_20250428_FBLL	Total/NA	Water	1631E	
500-267552-5	PNC-01_20250428	Dissolved	Water	1631E	
500-267552-5	PNC-01_20250428	Total/NA	Water	1631E	
500-267552-6	PNC-01_20250428_FBLL	Total/NA	Water	1631E	
500-267552-7	ARC-01_20250428	Dissolved	Water	1631E	
500-267552-7	ARC-01_20250428	Total/NA	Water	1631E	
500-267552-9	MLR-01_20250428	Dissolved	Water	1631E	
500-267552-11	DKC-01_20250428	Dissolved	Water	1631E	
500-267552-11	DKC-01_20250428	Total/NA	Water	1631E	
500-267552-12	DKC-01_20250428_FBLL	Total/NA	Water	1631E	
MB 350-6709/15	Method Blank	Total/NA	Water	1631E	
MB 350-6709/16	Method Blank	Total/NA	Water	1631E	
MB 350-6709/17	Method Blank	Total/NA	Water	1631E	
MB 350-6709/20	Method Blank	Total/NA	Water	1631E	
MB 350-6709/23	Method Blank	Total/NA	Water	1631E	
MB 350-6709/24	Method Blank	Total/NA	Water	1631E	
LCS 350-6709/18	Lab Control Sample	Total/NA	Water	1631E	
LCS 350-6709/25	Lab Control Sample	Total/NA	Water	1631E	
LCSD 350-6709/19	Lab Control Sample Dup	Total/NA	Water	1631E	
LCSD 350-6709/26	Lab Control Sample Dup	Total/NA	Water	1631E	

Analysis Batch: 6793

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-267552-9	MLR-01_20250428	Total/NA	Water	1631E	
500-267552-10	MLR-01_20250428_FBLL	Total/NA	Water	1631E	
MB 350-6793/22	Method Blank	Total/NA	Water	1631E	
MB 350-6793/23	Method Blank	Total/NA	Water	1631E	
MB 350-6793/24	Method Blank	Total/NA	Water	1631E	
LCS 350-6793/27	Lab Control Sample	Total/NA	Water	1631E	
LCSD 350-6793/28	Lab Control Sample Dup	Total/NA	Water	1631E	

Prep Batch: 6822

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-267552-1	MW-3A_20250428	Dissolved	Water	1630	
500-267552-1	MW-3A_20250428	Total/NA	Water	1630	
500-267552-3	ARC-03_20250428	Dissolved	Water	1630	
500-267552-3	ARC-03_20250428	Total/NA	Water	1630	
500-267552-5	PNC-01_20250428	Dissolved	Water	1630	
500-267552-5	PNC-01_20250428	Total/NA	Water	1630	
500-267552-7	ARC-01_20250428	Dissolved	Water	1630	
500-267552-7	ARC-01_20250428	Total/NA	Water	1630	
MB 350-6822/1-A	Method Blank	Total/NA	Water	1630	
MB 350-6822/2-A	Method Blank	Total/NA	Water	1630	
MB 350-6822/3-A	Method Blank	Total/NA	Water	1630	
LCS 350-6822/4-A	Lab Control Sample	Total/NA	Water	1630	
LCSD 350-6822/5-A	Lab Control Sample Dup	Total/NA	Water	1630	

Metals

Prep Batch: 6842

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-267552-9	MLR-01_20250428	Dissolved	Water	1630	
500-267552-9	MLR-01_20250428	Total/NA	Water	1630	
500-267552-11	DKC-01_20250428	Dissolved	Water	1630	
500-267552-11	DKC-01_20250428	Total/NA	Water	1630	
MB 350-6842/1-A	Method Blank	Total/NA	Water	1630	
MB 350-6842/2-A	Method Blank	Total/NA	Water	1630	
MB 350-6842/3-A	Method Blank	Total/NA	Water	1630	
LCS 350-6842/4-A	Lab Control Sample	Total/NA	Water	1630	
LCSD 350-6842/5-A	Lab Control Sample Dup	Total/NA	Water	1630	
500-267552-9 MS	MLR-01_20250428	Total/NA	Water	1630	
500-267552-9 MSD	MLR-01_20250428	Total/NA	Water	1630	

Analysis Batch: 6850

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-267552-1	MW-3A_20250428	Dissolved	Water	1630	6822
500-267552-1	MW-3A_20250428	Total/NA	Water	1630	6822
500-267552-3	ARC-03_20250428	Dissolved	Water	1630	6822
500-267552-3	ARC-03_20250428	Total/NA	Water	1630	6822
500-267552-5	PNC-01_20250428	Dissolved	Water	1630	6822
500-267552-5	PNC-01_20250428	Total/NA	Water	1630	6822
500-267552-7	ARC-01_20250428	Dissolved	Water	1630	6822
500-267552-7	ARC-01_20250428	Total/NA	Water	1630	6822
MB 350-6822/1-A	Method Blank	Total/NA	Water	1630	6822
MB 350-6822/2-A	Method Blank	Total/NA	Water	1630	6822
MB 350-6822/3-A	Method Blank	Total/NA	Water	1630	6822
LCS 350-6822/4-A	Lab Control Sample	Total/NA	Water	1630	6822
LCSD 350-6822/5-A	Lab Control Sample Dup	Total/NA	Water	1630	6822

Analysis Batch: 6879

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-267552-9	MLR-01_20250428	Dissolved	Water	1630	6842
500-267552-9	MLR-01_20250428	Total/NA	Water	1630	6842
500-267552-11	DKC-01_20250428	Dissolved	Water	1630	6842
500-267552-11	DKC-01_20250428	Total/NA	Water	1630	6842
MB 350-6842/1-A	Method Blank	Total/NA	Water	1630	6842
MB 350-6842/2-A	Method Blank	Total/NA	Water	1630	6842
MB 350-6842/3-A	Method Blank	Total/NA	Water	1630	6842
LCS 350-6842/4-A	Lab Control Sample	Total/NA	Water	1630	6842
LCSD 350-6842/5-A	Lab Control Sample Dup	Total/NA	Water	1630	6842
500-267552-9 MS	MLR-01_20250428	Total/NA	Water	1630	6842
500-267552-9 MSD	MLR-01_20250428	Total/NA	Water	1630	6842

Prep Batch: 6910

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-267552-1	MW-3A_20250428	Dissolved	Water	1638	
500-267552-1	MW-3A_20250428	Total Recoverable	Water	1638	
500-267552-3	ARC-03_20250428	Dissolved	Water	1638	
500-267552-3	ARC-03_20250428	Total Recoverable	Water	1638	
500-267552-5	PNC-01_20250428	Dissolved	Water	1638	
500-267552-5	PNC-01_20250428	Total Recoverable	Water	1638	
500-267552-7	ARC-01_20250428	Dissolved	Water	1638	

Metals (Continued)

Prep Batch: 6910 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-267552-7	ARC-01_20250428	Total Recoverable	Water	1638	
500-267552-9	MLR-01_20250428	Dissolved	Water	1638	
500-267552-9	MLR-01_20250428	Total Recoverable	Water	1638	
500-267552-11	DKC-01_20250428	Dissolved	Water	1638	
500-267552-11	DKC-01_20250428	Total Recoverable	Water	1638	
MB 350-6910/1-A	Method Blank	Total Recoverable	Water	1638	
MB 350-6910/2-A	Method Blank	Total Recoverable	Water	1638	
LCS 350-6910/3-A	Lab Control Sample	Total Recoverable	Water	1638	
LCSD 350-6910/4-A	Lab Control Sample Dup	Total Recoverable	Water	1638	
500-267552-1 MS	MW-3A_20250428	Dissolved	Water	1638	
500-267552-1 MSD	MW-3A_20250428	Dissolved	Water	1638	
500-267552-7 MS	ARC-01_20250428	Total Recoverable	Water	1638	
500-267552-7 MSD	ARC-01_20250428	Total Recoverable	Water	1638	

Analysis Batch: 6929

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-267552-8	ARC-01_20250428_FBLL	Total/NA	Water	1631E	
MB 350-6929/17	Method Blank	Total/NA	Water	1631E	
MB 350-6929/18	Method Blank	Total/NA	Water	1631E	
MB 350-6929/19	Method Blank	Total/NA	Water	1631E	
LCS 350-6929/28	Lab Control Sample	Total/NA	Water	1631E	
LCSD 350-6929/29	Lab Control Sample Dup	Total/NA	Water	1631E	

Analysis Batch: 6966

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-267552-1	MW-3A_20250428	Dissolved	Water	1638	6910
500-267552-1	MW-3A_20250428	Total Recoverable	Water	1638	6910
500-267552-3	ARC-03_20250428	Dissolved	Water	1638	6910
500-267552-3	ARC-03_20250428	Total Recoverable	Water	1638	6910
500-267552-5	PNC-01_20250428	Dissolved	Water	1638	6910
500-267552-5	PNC-01_20250428	Total Recoverable	Water	1638	6910
500-267552-7	ARC-01_20250428	Dissolved	Water	1638	6910
500-267552-7	ARC-01_20250428	Total Recoverable	Water	1638	6910
500-267552-9	MLR-01_20250428	Dissolved	Water	1638	6910
500-267552-9	MLR-01_20250428	Total Recoverable	Water	1638	6910
500-267552-11	DKC-01_20250428	Dissolved	Water	1638	6910
500-267552-11	DKC-01_20250428	Total Recoverable	Water	1638	6910
MB 350-6910/1-A	Method Blank	Total Recoverable	Water	1638	6910
MB 350-6910/2-A	Method Blank	Total Recoverable	Water	1638	6910
LCS 350-6910/3-A	Lab Control Sample	Total Recoverable	Water	1638	6910
LCSD 350-6910/4-A	Lab Control Sample Dup	Total Recoverable	Water	1638	6910
500-267552-1 MS	MW-3A_20250428	Dissolved	Water	1638	6910
500-267552-1 MSD	MW-3A_20250428	Dissolved	Water	1638	6910
500-267552-7 MS	ARC-01_20250428	Total Recoverable	Water	1638	6910
500-267552-7 MSD	ARC-01_20250428	Total Recoverable	Water	1638	6910

Prep Batch: 816972

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-267552-1	MW-3A_20250428	Dissolved	Water	3005A	
500-267552-1	MW-3A_20250428	Total Recoverable	Water	3005A	
500-267552-3	ARC-03_20250428	Dissolved	Water	3005A	

Metals (Continued)

Prep Batch: 816972 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-267552-3	ARC-03_20250428	Total Recoverable	Water	3005A	
500-267552-5	PNC-01_20250428	Dissolved	Water	3005A	
500-267552-5	PNC-01_20250428	Total Recoverable	Water	3005A	
500-267552-7	ARC-01_20250428	Dissolved	Water	3005A	
500-267552-7	ARC-01_20250428	Total Recoverable	Water	3005A	
500-267552-9	MLR-01_20250428	Dissolved	Water	3005A	
500-267552-9	MLR-01_20250428	Total Recoverable	Water	3005A	
500-267552-11	DKC-01_20250428	Dissolved	Water	3005A	
500-267552-11	DKC-01_20250428	Total Recoverable	Water	3005A	
MB 500-816972/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 500-816972/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Analysis Batch: 817255

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-267552-1	MW-3A_20250428	Dissolved	Water	6020B	816972
500-267552-1	MW-3A_20250428	Total Recoverable	Water	6020B	816972
500-267552-3	ARC-03_20250428	Dissolved	Water	6020B	816972
500-267552-3	ARC-03_20250428	Total Recoverable	Water	6020B	816972
500-267552-5	PNC-01_20250428	Dissolved	Water	6020B	816972
500-267552-5	PNC-01_20250428	Total Recoverable	Water	6020B	816972
500-267552-7	ARC-01_20250428	Dissolved	Water	6020B	816972
500-267552-7	ARC-01_20250428	Total Recoverable	Water	6020B	816972
500-267552-9	MLR-01_20250428	Dissolved	Water	6020B	816972
500-267552-9	MLR-01_20250428	Total Recoverable	Water	6020B	816972
500-267552-11	DKC-01_20250428	Dissolved	Water	6020B	816972
500-267552-11	DKC-01_20250428	Total Recoverable	Water	6020B	816972
MB 500-816972/1-A	Method Blank	Total Recoverable	Water	6020B	816972
LCS 500-816972/2-A	Lab Control Sample	Total Recoverable	Water	6020B	816972

Analysis Batch: 817265

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-267552-1	MW-3A_20250428	Total Recoverable	Water	SM 2340B	816972
500-267552-3	ARC-03_20250428	Total Recoverable	Water	SM 2340B	816972
500-267552-5	PNC-01_20250428	Total Recoverable	Water	SM 2340B	816972
500-267552-7	ARC-01_20250428	Total Recoverable	Water	SM 2340B	816972
500-267552-9	MLR-01_20250428	Total Recoverable	Water	SM 2340B	816972
500-267552-11	DKC-01_20250428	Total Recoverable	Water	SM 2340B	816972

Analysis Batch: 817410

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-267552-1	MW-3A_20250428	Dissolved	Water	6020B	816972
500-267552-1	MW-3A_20250428	Total Recoverable	Water	6020B	816972
500-267552-3	ARC-03_20250428	Dissolved	Water	6020B	816972
500-267552-3	ARC-03_20250428	Total Recoverable	Water	6020B	816972
500-267552-5	PNC-01_20250428	Dissolved	Water	6020B	816972
500-267552-5	PNC-01_20250428	Total Recoverable	Water	6020B	816972
500-267552-7	ARC-01_20250428	Dissolved	Water	6020B	816972
500-267552-7	ARC-01_20250428	Total Recoverable	Water	6020B	816972
500-267552-9	MLR-01_20250428	Dissolved	Water	6020B	816972
500-267552-9	MLR-01_20250428	Total Recoverable	Water	6020B	816972
500-267552-11	DKC-01_20250428	Dissolved	Water	6020B	816972

Metals (Continued)

Analysis Batch: 817410 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-267552-11	DKC-01_20250428	Total Recoverable	Water	6020B	816972
MB 500-816972/1-A	Method Blank	Total Recoverable	Water	6020B	816972
LCS 500-816972/2-A	Lab Control Sample	Total Recoverable	Water	6020B	816972

General Chemistry

Analysis Batch: 815810

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-267552-1	MW-3A_20250428	Total/NA	Water	300.0	
500-267552-3	ARC-03_20250428	Total/NA	Water	300.0	
500-267552-5	PNC-01_20250428	Total/NA	Water	300.0	
500-267552-7	ARC-01_20250428	Total/NA	Water	300.0	
500-267552-9	MLR-01_20250428	Total/NA	Water	300.0	
500-267552-11	DKC-01_20250428	Total/NA	Water	300.0	
MB 500-815810/3	Method Blank	Total/NA	Water	300.0	
LCS 500-815810/4	Lab Control Sample	Total/NA	Water	300.0	
500-267552-11 MS	DKC-01_20250428	Total/NA	Water	300.0	
500-267552-11 MSD	DKC-01_20250428	Total/NA	Water	300.0	

Analysis Batch: 815811

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-267552-1	MW-3A_20250428	Total/NA	Water	300.0	
500-267552-3	ARC-03_20250428	Total/NA	Water	300.0	
500-267552-5	PNC-01_20250428	Total/NA	Water	300.0	
500-267552-7	ARC-01_20250428	Total/NA	Water	300.0	
500-267552-9	MLR-01_20250428	Total/NA	Water	300.0	
500-267552-11	DKC-01_20250428	Total/NA	Water	300.0	
MB 500-815811/3	Method Blank	Total/NA	Water	300.0	
LCS 500-815811/4	Lab Control Sample	Total/NA	Water	300.0	
500-267552-11 MS	DKC-01_20250428	Total/NA	Water	300.0	
500-267552-11 MSD	DKC-01_20250428	Total/NA	Water	300.0	

Analysis Batch: 815829

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-267552-1	MW-3A_20250428	Total/NA	Water	SM 2540D	
500-267552-3	ARC-03_20250428	Total/NA	Water	SM 2540D	
500-267552-5	PNC-01_20250428	Total/NA	Water	SM 2540D	
500-267552-7	ARC-01_20250428	Total/NA	Water	SM 2540D	
500-267552-9	MLR-01_20250428	Total/NA	Water	SM 2540D	
500-267552-11	DKC-01_20250428	Total/NA	Water	SM 2540D	
MB 500-815829/1	Method Blank	Total/NA	Water	SM 2540D	
LCS 500-815829/2	Lab Control Sample	Total/NA	Water	SM 2540D	
500-267552-3 DU	ARC-03_20250428	Total/NA	Water	SM 2540D	
500-267552-5 DU	PNC-01_20250428	Total/NA	Water	SM 2540D	

Analysis Batch: 815882

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-267552-1	MW-3A_20250428	Total/NA	Water	SM 4500 S2 F	
500-267552-3	ARC-03_20250428	Total/NA	Water	SM 4500 S2 F	
500-267552-5	PNC-01_20250428	Total/NA	Water	SM 4500 S2 F	
500-267552-7	ARC-01_20250428	Total/NA	Water	SM 4500 S2 F	

General Chemistry (Continued)

Analysis Batch: 815882 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-267552-9	MLR-01_20250428	Total/NA	Water	SM 4500 S2 F	
500-267552-11	DKC-01_20250428	Total/NA	Water	SM 4500 S2 F	
MB 500-815882/1	Method Blank	Total/NA	Water	SM 4500 S2 F	
LCS 500-815882/2	Lab Control Sample	Total/NA	Water	SM 4500 S2 F	

Analysis Batch: 815886

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-267552-1	MW-3A_20250428	Total/NA	Water	SM 2540C	
500-267552-3	ARC-03_20250428	Total/NA	Water	SM 2540C	
500-267552-5	PNC-01_20250428	Total/NA	Water	SM 2540C	
500-267552-7	ARC-01_20250428	Total/NA	Water	SM 2540C	
500-267552-9	MLR-01_20250428	Total/NA	Water	SM 2540C	
500-267552-11	DKC-01_20250428	Total/NA	Water	SM 2540C	
MB 500-815886/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-815886/2	Lab Control Sample	Total/NA	Water	SM 2540C	

Prep Batch: 815944

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-267552-1	MW-3A_20250428	Total/NA	Water	365.2/365.3/365	
500-267552-3	ARC-03_20250428	Total/NA	Water	365.2/365.3/365	
500-267552-5	PNC-01_20250428	Total/NA	Water	365.2/365.3/365	
500-267552-7	ARC-01_20250428	Total/NA	Water	365.2/365.3/365	
500-267552-9	MLR-01_20250428	Total/NA	Water	365.2/365.3/365	
500-267552-11	DKC-01_20250428	Total/NA	Water	365.2/365.3/365	
MB 500-815944/1-A	Method Blank	Total/NA	Water	365.2/365.3/365	
LCS 500-815944/2-A	Lab Control Sample	Total/NA	Water	365.2/365.3/365	

Analysis Batch: 816257

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-267552-1	MW-3A_20250428	Total/NA	Water	365.1	815944
500-267552-3	ARC-03_20250428	Total/NA	Water	365.1	815944
500-267552-5	PNC-01_20250428	Total/NA	Water	365.1	815944
500-267552-7	ARC-01_20250428	Total/NA	Water	365.1	815944
500-267552-9	MLR-01_20250428	Total/NA	Water	365.1	815944
500-267552-11	DKC-01_20250428	Total/NA	Water	365.1	815944
MB 500-815944/1-A	Method Blank	Total/NA	Water	365.1	815944
LCS 500-815944/2-A	Lab Control Sample	Total/NA	Water	365.1	815944

Analysis Batch: 816415

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-267552-1	MW-3A_20250428	Total/NA	Water	SM 5310C	
500-267552-3	ARC-03_20250428	Total/NA	Water	SM 5310C	
500-267552-5	PNC-01_20250428	Total/NA	Water	SM 5310C	
500-267552-7	ARC-01_20250428	Total/NA	Water	SM 5310C	
MB 500-816415/31	Method Blank	Total/NA	Water	SM 5310C	
LCS 500-816415/32	Lab Control Sample	Total/NA	Water	SM 5310C	

Analysis Batch: 816448

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-267552-1	MW-3A_20250428	Total/NA	Water	SM 2320B	
500-267552-3	ARC-03_20250428	Total/NA	Water	SM 2320B	

General Chemistry (Continued)

Analysis Batch: 816448 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-267552-5	PNC-01_20250428	Total/NA	Water	SM 2320B	
500-267552-7	ARC-01_20250428	Total/NA	Water	SM 2320B	
500-267552-9	MLR-01_20250428	Total/NA	Water	SM 2320B	
500-267552-11	DKC-01_20250428	Total/NA	Water	SM 2320B	
MB 500-816448/3	Method Blank	Total/NA	Water	SM 2320B	
LCS 500-816448/4	Lab Control Sample	Total/NA	Water	SM 2320B	

Analysis Batch: 816774

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-267552-9	MLR-01_20250428	Total/NA	Water	SM 5310C	
500-267552-11	DKC-01_20250428	Total/NA	Water	SM 5310C	
MB 500-816774/7	Method Blank	Dissolved	Water	SM 5310C	
LCS 500-816774/8	Lab Control Sample	Dissolved	Water	SM 5310C	

Prep Batch: 816781

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-267552-1	MW-3A_20250428	Total/NA	Water	Distill/CN	
500-267552-3	ARC-03_20250428	Total/NA	Water	Distill/CN	
500-267552-5	PNC-01_20250428	Total/NA	Water	Distill/CN	
500-267552-7	ARC-01_20250428	Total/NA	Water	Distill/CN	
500-267552-9	MLR-01_20250428	Total/NA	Water	Distill/CN	
500-267552-11	DKC-01_20250428	Total/NA	Water	Distill/CN	
MB 500-816781/1-A	Method Blank	Total/NA	Water	Distill/CN	
LCS 500-816781/2-A	Lab Control Sample	Total/NA	Water	Distill/CN	

Analysis Batch: 816837

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-267552-1	MW-3A_20250428	Total/NA	Water	SM 2520B	

Analysis Batch: 816857

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-267552-3	ARC-03_20250428	Dissolved	Water	SM 5310C	
500-267552-5	PNC-01_20250428	Dissolved	Water	SM 5310C	
500-267552-7	ARC-01_20250428	Dissolved	Water	SM 5310C	
500-267552-9	MLR-01_20250428	Dissolved	Water	SM 5310C	
500-267552-11	DKC-01_20250428	Dissolved	Water	SM 5310C	
MB 500-816857/30	Method Blank	Dissolved	Water	SM 5310C	
MB 500-816857/7	Method Blank	Dissolved	Water	SM 5310C	
LCS 500-816857/31	Lab Control Sample	Dissolved	Water	SM 5310C	
LCS 500-816857/8	Lab Control Sample	Dissolved	Water	SM 5310C	

Analysis Batch: 816981

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-267552-1	MW-3A_20250428	Total/NA	Water	335.4	816781
500-267552-3	ARC-03_20250428	Total/NA	Water	335.4	816781
500-267552-5	PNC-01_20250428	Total/NA	Water	335.4	816781
500-267552-7	ARC-01_20250428	Total/NA	Water	335.4	816781
500-267552-9	MLR-01_20250428	Total/NA	Water	335.4	816781
500-267552-11	DKC-01_20250428	Total/NA	Water	335.4	816781
MB 500-816781/1-A	Method Blank	Total/NA	Water	335.4	816781
LCS 500-816781/2-A	Lab Control Sample	Total/NA	Water	335.4	816781

General Chemistry

Analysis Batch: 817193

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-267552-3	ARC-03_20250428	Total/NA	Water	SM 2520B	
500-267552-5	PNC-01_20250428	Total/NA	Water	SM 2520B	
500-267552-7	ARC-01_20250428	Total/NA	Water	SM 2520B	
500-267552-9	MLR-01_20250428	Total/NA	Water	SM 2520B	
500-267552-11	DKC-01_20250428	Total/NA	Water	SM 2520B	

Analysis Batch: 817571

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-267552-1	MW-3A_20250428	Dissolved	Water	SM 5310C	
MB 500-817571/31	Method Blank	Dissolved	Water	SM 5310C	
LCS 500-817571/32	Lab Control Sample	Dissolved	Water	SM 5310C	

Prep Batch: 817986

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-267552-1	MW-3A_20250428	Total/NA	Water	Distill/Ammonia	
500-267552-3	ARC-03_20250428	Total/NA	Water	Distill/Ammonia	
500-267552-5	PNC-01_20250428	Total/NA	Water	Distill/Ammonia	
500-267552-7	ARC-01_20250428	Total/NA	Water	Distill/Ammonia	
500-267552-9	MLR-01_20250428	Total/NA	Water	Distill/Ammonia	
500-267552-11	DKC-01_20250428	Total/NA	Water	Distill/Ammonia	
MB 500-817986/1-A	Method Blank	Total/NA	Water	Distill/Ammonia	
LCS 500-817986/2-A	Lab Control Sample	Total/NA	Water	Distill/Ammonia	
500-267552-1 MS	MW-3A_20250428	Total/NA	Water	Distill/Ammonia	
500-267552-1 MSD	MW-3A_20250428	Total/NA	Water	Distill/Ammonia	

Analysis Batch: 818073

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-267552-1	MW-3A_20250428	Total/NA	Water	350.1	817986
500-267552-3	ARC-03_20250428	Total/NA	Water	350.1	817986
500-267552-5	PNC-01_20250428	Total/NA	Water	350.1	817986
500-267552-7	ARC-01_20250428	Total/NA	Water	350.1	817986
500-267552-9	MLR-01_20250428	Total/NA	Water	350.1	817986
500-267552-11	DKC-01_20250428	Total/NA	Water	350.1	817986
MB 500-817986/1-A	Method Blank	Total/NA	Water	350.1	817986
LCS 500-817986/2-A	Lab Control Sample	Total/NA	Water	350.1	817986
500-267552-1 MS	MW-3A_20250428	Total/NA	Water	350.1	817986
500-267552-1 MSD	MW-3A_20250428	Total/NA	Water	350.1	817986

Analysis Batch: 818103

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-267552-1	MW-3A_20250428	Total/NA	Water	300.0	
MB 500-818103/3	Method Blank	Total/NA	Water	300.0	
LCS 500-818103/4	Lab Control Sample	Total/NA	Water	300.0	

Method: 1630 - Methyl Mercury

Lab Sample ID: MB 350-6822/1-A
Matrix: Water
Analysis Batch: 6850

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 6822

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		05/15/25 10:30	05/15/25 17:33	1

Lab Sample ID: MB 350-6822/2-A
Matrix: Water
Analysis Batch: 6850

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 6822

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		05/15/25 10:30	05/15/25 17:44	1

Lab Sample ID: MB 350-6822/3-A
Matrix: Water
Analysis Batch: 6850

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 6822

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		05/15/25 10:30	05/15/25 17:54	1

Lab Sample ID: LCS 350-6822/4-A
Matrix: Water
Analysis Batch: 6850

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 6822

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Methyl Mercury	1.00	0.960		ng/L		96	65 - 135

Lab Sample ID: LCSD 350-6822/5-A
Matrix: Water
Analysis Batch: 6850

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 6822

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Methyl Mercury	1.00	0.933		ng/L		93	65 - 135	3	35

Lab Sample ID: MB 350-6842/1-A
Matrix: Water
Analysis Batch: 6879

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 6842

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	0.0237	J	0.050	0.022	ng/L		05/16/25 11:04	05/16/25 18:33	1

Lab Sample ID: MB 350-6842/2-A
Matrix: Water
Analysis Batch: 6879

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 6842

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		05/16/25 11:04	05/16/25 18:43	1

Lab Sample ID: MB 350-6842/3-A
Matrix: Water
Analysis Batch: 6879

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 6842

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		05/16/25 11:04	05/16/25 18:54	1

Method: 1630 - Methyl Mercury

Lab Sample ID: LCS 350-6842/4-A
Matrix: Water
Analysis Batch: 6879

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 6842

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Methyl Mercury	1.00	1.23		ng/L		123	65 - 135

Lab Sample ID: LCSD 350-6842/5-A
Matrix: Water
Analysis Batch: 6879

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 6842

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Methyl Mercury	1.00	1.21		ng/L		121	65 - 135	2	35

Lab Sample ID: 500-267552-9 MS
Matrix: Water
Analysis Batch: 6879

Client Sample ID: MLR-01_20250428
Prep Type: Total/NA
Prep Batch: 6842

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Methyl Mercury	0.064	B	1.00	1.16		ng/L		109	65 - 135

Lab Sample ID: 500-267552-9 MSD
Matrix: Water
Analysis Batch: 6879

Client Sample ID: MLR-01_20250428
Prep Type: Total/NA
Prep Batch: 6842

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Methyl Mercury	0.064	B	1.00	0.913		ng/L		85	65 - 135	23	35

Method: 1631E - Mercury, Low Level (CVAFS)

Lab Sample ID: MB 350-6709/15
Matrix: Water
Analysis Batch: 6709

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			05/07/25 21:32	1

Lab Sample ID: MB 350-6709/16
Matrix: Water
Analysis Batch: 6709

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			05/07/25 21:36	1

Lab Sample ID: MB 350-6709/17
Matrix: Water
Analysis Batch: 6709

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			05/07/25 21:40	1

Method: 1631E - Mercury, Low Level (CVAFS) (Continued)

Lab Sample ID: MB 350-6709/20
Matrix: Water
Analysis Batch: 6709

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			05/07/25 21:53	1

Lab Sample ID: MB 350-6709/23
Matrix: Water
Analysis Batch: 6709

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			05/07/25 22:05	1

Lab Sample ID: MB 350-6709/24
Matrix: Water
Analysis Batch: 6709

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			05/07/25 22:09	1

Lab Sample ID: LCS 350-6709/18
Matrix: Water
Analysis Batch: 6709

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	5.00	4.52		ng/L		90	77 - 123

Lab Sample ID: LCS 350-6709/25
Matrix: Water
Analysis Batch: 6709

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	5.00	4.47		ng/L		89	77 - 123

Lab Sample ID: LCSD 350-6709/19
Matrix: Water
Analysis Batch: 6709

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	5.00	4.47		ng/L		89	77 - 123	1	24

Lab Sample ID: LCSD 350-6709/26
Matrix: Water
Analysis Batch: 6709

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	5.00	4.53		ng/L		91	77 - 123	1	24

Lab Sample ID: MB 350-6793/22
Matrix: Water
Analysis Batch: 6793

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			05/13/25 16:33	1

Method: 1631E - Mercury, Low Level (CVAFS)

Lab Sample ID: MB 350-6793/23
Matrix: Water
Analysis Batch: 6793

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			05/13/25 16:37	1

Lab Sample ID: MB 350-6793/24
Matrix: Water
Analysis Batch: 6793

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			05/13/25 16:41	1

Lab Sample ID: LCS 350-6793/27
Matrix: Water
Analysis Batch: 6793

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	5.00	5.25		ng/L		105	77 - 123

Lab Sample ID: LCSD 350-6793/28
Matrix: Water
Analysis Batch: 6793

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	5.00	5.28		ng/L		106	77 - 123	0	24

Lab Sample ID: MB 350-6929/17
Matrix: Water
Analysis Batch: 6929

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			05/20/25 14:33	1

Lab Sample ID: MB 350-6929/18
Matrix: Water
Analysis Batch: 6929

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			05/20/25 14:37	1

Lab Sample ID: MB 350-6929/19
Matrix: Water
Analysis Batch: 6929

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			05/20/25 14:41	1

Lab Sample ID: LCS 350-6929/28
Matrix: Water
Analysis Batch: 6929

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	5.00	4.79		ng/L		96	77 - 123

Method: 1631E - Mercury, Low Level (CVAFS)

Lab Sample ID: LCSD 350-6929/29
Matrix: Water
Analysis Batch: 6929

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury			5.00	4.79		ng/L		96	77 - 123	0	24

Method: 1638 - Metals (ICP/MS)

Lab Sample ID: MB 350-6910/1-A
Matrix: Water
Analysis Batch: 6966

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 6910

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	<0.0098		0.050	0.0098	ug/L		05/21/25 11:14	05/21/25 21:43	1

Lab Sample ID: MB 350-6910/2-A
Matrix: Water
Analysis Batch: 6966

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 6910

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	<0.0098		0.050	0.0098	ug/L		05/21/25 11:14	05/21/25 21:46	1

Lab Sample ID: LCS 350-6910/3-A
Matrix: Water
Analysis Batch: 6966

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 6910

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Uranium			50.0	46.5		ug/L		93	85 - 115		

Lab Sample ID: LCSD 350-6910/4-A
Matrix: Water
Analysis Batch: 6966

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 6910

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Uranium			50.0	46.9		ug/L		94	85 - 115	1	20

Lab Sample ID: 500-267552-7 MS
Matrix: Water
Analysis Batch: 6966

Client Sample ID: ARC-01_20250428
Prep Type: Total Recoverable
Prep Batch: 6910

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Uranium	0.044	J	50.0	48.2		ug/L		96	70 - 130		

Lab Sample ID: 500-267552-7 MSD
Matrix: Water
Analysis Batch: 6966

Client Sample ID: ARC-01_20250428
Prep Type: Total Recoverable
Prep Batch: 6910

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Uranium	0.044	J	50.0	48.1		ug/L		96	70 - 130	0	20

Method: 1638 - Metals (ICP/MS) (Continued)

Lab Sample ID: 500-267552-1 MS
Matrix: Water
Analysis Batch: 6966

Client Sample ID: MW-3A_20250428
Prep Type: Dissolved
Prep Batch: 6910

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Uranium	7.9		50.0	58.4		ug/L		101	70 - 130

Lab Sample ID: 500-267552-1 MSD
Matrix: Water
Analysis Batch: 6966

Client Sample ID: MW-3A_20250428
Prep Type: Dissolved
Prep Batch: 6910

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Uranium	7.9		50.0	58.2		ug/L		100	70 - 130	0	20

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 500-816972/1-A
Matrix: Water
Analysis Batch: 817255

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 816972

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<25		100	25	ug/L		05/08/25 16:11	05/09/25 13:49	1
Antimony	<1.3		3.0	1.3	ug/L		05/08/25 16:11	05/09/25 13:49	1
Arsenic	<0.23		1.0	0.23	ug/L		05/08/25 16:11	05/09/25 13:49	1
Barium	<0.73		2.5	0.73	ug/L		05/08/25 16:11	05/09/25 13:49	1
Cadmium	<0.17		0.50	0.17	ug/L		05/08/25 16:11	05/09/25 13:49	1
Calcium	<44		200	44	ug/L		05/08/25 16:11	05/09/25 13:49	1
Chromium	<1.1		5.0	1.1	ug/L		05/08/25 16:11	05/09/25 13:49	1
Cobalt	<0.40		1.0	0.40	ug/L		05/08/25 16:11	05/09/25 13:49	1
Copper	<0.50		2.0	0.50	ug/L		05/08/25 16:11	05/09/25 13:49	1
Iron	<47		100	47	ug/L		05/08/25 16:11	05/09/25 13:49	1
Lead	<0.19		0.50	0.19	ug/L		05/08/25 16:11	05/09/25 13:49	1
Lithium	<2.5		10	2.5	ug/L		05/08/25 16:11	05/09/25 13:49	1
Magnesium	<49		200	49	ug/L		05/08/25 16:11	05/09/25 13:49	1
Manganese	<0.79		2.5	0.79	ug/L		05/08/25 16:11	05/09/25 13:49	1
Molybdenum	<2.5		5.0	2.5	ug/L		05/08/25 16:11	05/09/25 13:49	1
Nickel	<0.63		2.0	0.63	ug/L		05/08/25 16:11	05/09/25 13:49	1
Potassium	<110		500	110	ug/L		05/08/25 16:11	05/09/25 13:49	1
Selenium	<0.98		2.5	0.98	ug/L		05/08/25 16:11	05/09/25 13:49	1
Silver	<0.12		0.50	0.12	ug/L		05/08/25 16:11	05/09/25 13:49	1
Sodium	<77		200	77	ug/L		05/08/25 16:11	05/09/25 13:49	1
Strontium	<0.64		4.0	0.64	ug/L		05/08/25 16:11	05/09/25 13:49	1
Thallium	<0.57		2.0	0.57	ug/L		05/08/25 16:11	05/09/25 13:49	1
Tin	<1.3		5.0	1.3	ug/L		05/08/25 16:11	05/09/25 13:49	1
Vanadium	<2.2		5.0	2.2	ug/L		05/08/25 16:11	05/09/25 13:49	1
Zinc	<6.9		20	6.9	ug/L		05/08/25 16:11	05/09/25 13:49	1

Lab Sample ID: MB 500-816972/1-A
Matrix: Water
Analysis Batch: 817410

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 816972

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	<0.53		1.0	0.53	ug/L		05/08/25 16:11	05/12/25 13:48	1
Boron	<13		50	13	ug/L		05/08/25 16:11	05/12/25 13:48	1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 500-816972/2-A
Matrix: Water
Analysis Batch: 817255

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 816972

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	2000	2000		ug/L		100	80 - 120
Antimony	500	534		ug/L		107	80 - 120
Arsenic	100	99.8		ug/L		100	80 - 120
Barium	500	518		ug/L		104	80 - 120
Cadmium	50.0	51.8		ug/L		104	80 - 120
Calcium	10000	9430		ug/L		94	80 - 120
Chromium	200	209		ug/L		105	80 - 120
Cobalt	500	521		ug/L		104	80 - 120
Copper	250	255		ug/L		102	80 - 120
Iron	1000	1070		ug/L		107	80 - 120
Lead	100	104		ug/L		104	80 - 120
Lithium	100	108		ug/L		108	80 - 120
Magnesium	10000	10700		ug/L		107	80 - 120
Manganese	500	526		ug/L		105	80 - 120
Molybdenum	1000	1010		ug/L		101	80 - 120
Nickel	500	523		ug/L		105	80 - 120
Potassium	10000	10600		ug/L		106	80 - 120
Selenium	100	99.6		ug/L		100	80 - 120
Silver	50.0	52.3		ug/L		105	80 - 120
Sodium	10000	10500		ug/L		105	80 - 120
Strontium	1000	1000		ug/L		100	80 - 120
Thallium	100	105		ug/L		105	80 - 120
Tin	1000	1050		ug/L		105	80 - 120
Vanadium	500	528		ug/L		106	80 - 120
Zinc	500	505		ug/L		101	80 - 120

Lab Sample ID: LCS 500-816972/2-A
Matrix: Water
Analysis Batch: 817410

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 816972

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Beryllium	50.0	52.4		ug/L		105	80 - 120
Boron	1000	1040		ug/L		104	80 - 120

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 500-815810/3
Matrix: Water
Analysis Batch: 815810

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	<0.45		1.0	0.45	mg/L			04/30/25 12:57	1
Chloride	<0.42		1.0	0.42	mg/L			04/30/25 12:57	1
Fluoride	<0.43		1.0	0.43	mg/L			04/30/25 12:57	1
Sulfate	<0.47		1.0	0.47	mg/L			04/30/25 12:57	1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 500-815810/4
Matrix: Water
Analysis Batch: 815810

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bromide	20.0	18.8		mg/L		94	90 - 110
Chloride	100	103		mg/L		103	90 - 110
Fluoride	20.0	19.6		mg/L		98	90 - 110
Sulfate	100	105		mg/L		105	90 - 110

Lab Sample ID: 500-267552-11 MS
Matrix: Water
Analysis Batch: 815810

Client Sample ID: DKC-01_20250428
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Bromide	<0.45		10.0	10.2		mg/L		102	80 - 120
Chloride	<0.42		10.0	10.7		mg/L		107	80 - 120
Fluoride	<0.43		10.0	10.6		mg/L		106	80 - 120
Sulfate	1.1		10.0	11.6		mg/L		105	80 - 120

Lab Sample ID: 500-267552-11 MSD
Matrix: Water
Analysis Batch: 815810

Client Sample ID: DKC-01_20250428
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Bromide	<0.45		10.0	10.2		mg/L		102	80 - 120	1	20
Chloride	<0.42		10.0	10.6		mg/L		106	80 - 120	1	20
Fluoride	<0.43		10.0	10.6		mg/L		106	80 - 120	1	20
Sulfate	1.1		10.0	11.5		mg/L		104	80 - 120	0	20

Lab Sample ID: MB 500-815811/3
Matrix: Water
Analysis Batch: 815811

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	<0.37		1.0	0.37	mg/L			04/30/25 12:57	1
Nitrite as N	<0.25		1.0	0.25	mg/L			04/30/25 12:57	1
Nitrate Nitrite as N	<0.37		1.0	0.37	mg/L			04/30/25 12:57	1

Lab Sample ID: LCS 500-815811/4
Matrix: Water
Analysis Batch: 815811

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate as N	20.0	20.0		mg/L		100	90 - 110
Nitrite as N	20.0	20.2		mg/L		101	90 - 110
Nitrate Nitrite as N	40.0	40.2		mg/L		101	90 - 110

Lab Sample ID: 500-267552-11 MS
Matrix: Water
Analysis Batch: 815811

Client Sample ID: DKC-01_20250428
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate as N	<0.37	H	2.26	2.50		mg/L		111	80 - 120
Nitrite as N	<0.25	H	3.03	3.30		mg/L		109	80 - 120

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 500-267552-11 MS
Matrix: Water
Analysis Batch: 815811

Client Sample ID: DKC-01_20250428
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate Nitrite as N	<0.37	H	5.29	5.80		mg/L		110	80 - 120

Lab Sample ID: 500-267552-11 MSD
Matrix: Water
Analysis Batch: 815811

Client Sample ID: DKC-01_20250428
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrate as N	<0.37	H	2.26	2.44		mg/L		108	80 - 120	2	20
Nitrite as N	<0.25	H	3.03	3.28		mg/L		108	80 - 120	1	20
Nitrate Nitrite as N	<0.37	H	5.29	5.72		mg/L		108	80 - 120	1	20

Lab Sample ID: MB 500-818103/3
Matrix: Water
Analysis Batch: 818103

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.42		1.0	0.42	mg/L			05/17/25 22:12	1

Lab Sample ID: LCS 500-818103/4
Matrix: Water
Analysis Batch: 818103

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	100	106		mg/L		106	90 - 110

Method: 335.4 - Cyanide, Total

Lab Sample ID: MB 500-816781/1-A
Matrix: Water
Analysis Batch: 816981

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 816781

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.0036		0.0050	0.0036	mg/L		05/07/25 14:54	05/08/25 13:39	1

Lab Sample ID: LCS 500-816781/2-A
Matrix: Water
Analysis Batch: 816981

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 816781

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.100	0.0900		mg/L		90	90 - 110

Method: 350.1 - Nitrogen, Ammonia

Lab Sample ID: MB 500-817986/1-A
Matrix: Water
Analysis Batch: 818073

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 817986

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	<0.10		0.20	0.10	mg/L		05/16/25 11:18	05/16/25 15:25	1

Method: 350.1 - Nitrogen, Ammonia (Continued)

Lab Sample ID: LCS 500-817986/2-A
Matrix: Water
Analysis Batch: 818073

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 817986

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ammonia	2.00	1.94		mg/L		97	90 - 110

Lab Sample ID: 500-267552-1 MS
Matrix: Water
Analysis Batch: 818073

Client Sample ID: MW-3A_20250428
Prep Type: Total/NA
Prep Batch: 817986

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ammonia	0.12	J	2.00	2.04		mg/L		96	90 - 110

Lab Sample ID: 500-267552-1 MSD
Matrix: Water
Analysis Batch: 818073

Client Sample ID: MW-3A_20250428
Prep Type: Total/NA
Prep Batch: 817986

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Ammonia	0.12	J	2.00	2.20		mg/L		104	90 - 110	8	20

Method: 365.1 - Phosphorus, Total

Lab Sample ID: MB 500-815944/1-A
Matrix: Water
Analysis Batch: 816257

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 815944

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phosphorus as P	<0.024		0.050	0.024	mg/L		05/01/25 09:00	05/03/25 11:43	1

Lab Sample ID: LCS 500-815944/2-A
Matrix: Water
Analysis Batch: 816257

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 815944

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Phosphorus as P	1.00	0.942		mg/L		94	88 - 123

Method: SM 2320B - Alkalinity

Lab Sample ID: MB 500-816448/3
Matrix: Water
Analysis Batch: 816448

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	<3.7		5.0	3.7	mg/L			05/05/25 17:27	1
Bicarbonate Alkalinity as CaCO3	<3.7		5.0	3.7	mg/L			05/05/25 17:27	1
Carbonate Alkalinity as CaCO3	<3.7		5.0	3.7	mg/L			05/05/25 17:27	1

Lab Sample ID: LCS 500-816448/4
Matrix: Water
Analysis Batch: 816448

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Alkalinity	100	102		mg/L		102	95 - 121

Method: SM 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 500-815886/1
Matrix: Water
Analysis Batch: 815886

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<4.3		10	4.3	mg/L			05/01/25 03:07	1

Lab Sample ID: LCS 500-815886/2
Matrix: Water
Analysis Batch: 815886

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Dissolved Solids			250	244		mg/L		98	80 - 120		

Method: SM 2540D - Solids, Total Suspended (TSS)

Lab Sample ID: MB 500-815829/1
Matrix: Water
Analysis Batch: 815829

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	<1.9		5.0	1.9	mg/L			04/30/25 13:51	1

Lab Sample ID: LCS 500-815829/2
Matrix: Water
Analysis Batch: 815829

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Suspended Solids			200	176		mg/L		88	80 - 120		

Lab Sample ID: 500-267552-3 DU
Matrix: Water
Analysis Batch: 815829

Client Sample ID: ARC-03_20250428
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Suspended Solids	6.8			6.80		mg/L				0	5

Lab Sample ID: 500-267552-5 DU
Matrix: Water
Analysis Batch: 815829

Client Sample ID: PNC-01_20250428
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Suspended Solids	4.4	J		4.60	J	mg/L				4	5

Method: SM 4500 S2 F - Sulfide, Total

Lab Sample ID: MB 500-815882/1
Matrix: Water
Analysis Batch: 815882

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	<0.23		1.0	0.23	mg/L			05/01/25 00:10	1

Method: SM 4500 S2 F - Sulfide, Total (Continued)

Lab Sample ID: LCS 500-815882/2
Matrix: Water
Analysis Batch: 815882

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfide	3.97	3.62		mg/L		91	85 - 115

Method: SM 5310C - TOC

Lab Sample ID: MB 500-816415/31
Matrix: Water
Analysis Batch: 816415

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	<0.47		1.0	0.47	mg/L			05/05/25 03:55	1

Lab Sample ID: LCS 500-816415/32
Matrix: Water
Analysis Batch: 816415

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Organic Carbon	10.0	10.6		mg/L		106	86 - 116

Method: SM 5310C - Organic Carbon, Dissolved (DOC)

Lab Sample ID: MB 500-816857/30
Matrix: Water
Analysis Batch: 816857

Client Sample ID: Method Blank
Prep Type: Dissolved

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon	<0.47		1.0	0.47	mg/L			05/07/25 04:25	1

Lab Sample ID: MB 500-816857/7
Matrix: Water
Analysis Batch: 816857

Client Sample ID: Method Blank
Prep Type: Dissolved

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon	<0.47		1.0	0.47	mg/L			05/06/25 16:04	1

Lab Sample ID: LCS 500-816857/31
Matrix: Water
Analysis Batch: 816857

Client Sample ID: Lab Control Sample
Prep Type: Dissolved

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Dissolved Organic Carbon	10.0	10.6		mg/L		106	86 - 116

Lab Sample ID: LCS 500-816857/8
Matrix: Water
Analysis Batch: 816857

Client Sample ID: Lab Control Sample
Prep Type: Dissolved

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Dissolved Organic Carbon	10.0	10.6		mg/L		106	86 - 116

Method: SM 5310C - Organic Carbon, Dissolved (DOC) (Continued)

Lab Sample ID: MB 500-817571/31
Matrix: Water
Analysis Batch: 817571

Client Sample ID: Method Blank
Prep Type: Dissolved

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon	<0.47		1.0	0.47	mg/L			05/13/25 06:15	1

Lab Sample ID: LCS 500-817571/32
Matrix: Water
Analysis Batch: 817571

Client Sample ID: Lab Control Sample
Prep Type: Dissolved

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Dissolved Organic Carbon			10.0	10.7		mg/L		107	86 - 116		

Lab Chronicle

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267552-1

Client Sample ID: MW-3A_20250428

Lab Sample ID: 500-267552-1

Date Collected: 04/28/25 11:00
Date Received: 04/30/25 09:15

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	1630			6822	AJD	EET SSM	05/15/25 10:30
Dissolved	Analysis	1630		1	6850	COW	EET SSM	05/15/25 22:50
Total/NA	Prep	1630			6822	AJD	EET SSM	05/15/25 10:30
Total/NA	Analysis	1630		1	6850	COW	EET SSM	05/15/25 22:40
Dissolved	Analysis	1631E		1	6709	COW	EET SSM	05/08/25 01:04
Total/NA	Analysis	1631E		1	6709	COW	EET SSM	05/08/25 00:10
Dissolved	Prep	1638			6910	V1R	EET SSM	05/21/25 11:14
Dissolved	Analysis	1638		1	6966	COW	EET SSM	05/21/25 22:05
Total Recoverable	Prep	1638			6910	V1R	EET SSM	05/21/25 11:14
Total Recoverable	Analysis	1638		1	6966	COW	EET SSM	05/21/25 22:53
Dissolved	Prep	3005A			816972	S1Z	EET CHI	05/08/25 16:11 - 05/08/25 22:11 [1]
Dissolved	Analysis	6020B		1	817255	RN	EET CHI	05/09/25 14:28
Dissolved	Prep	3005A			816972	S1Z	EET CHI	05/08/25 16:11 - 05/08/25 22:11 [1]
Dissolved	Analysis	6020B		1	817410	RN	EET CHI	05/12/25 14:07
Total Recoverable	Prep	3005A			816972	S1Z	EET CHI	05/08/25 16:11 - 05/08/25 22:11 [1]
Total Recoverable	Analysis	6020B		1	817255	RN	EET CHI	05/09/25 14:26
Total Recoverable	Prep	3005A			816972	S1Z	EET CHI	05/08/25 16:11 - 05/08/25 22:11 [1]
Total Recoverable	Analysis	6020B		1	817410	RN	EET CHI	05/12/25 14:05
Total Recoverable	Prep	3005A			816972	S1Z	EET CHI	05/08/25 16:11 - 05/08/25 22:11 [1]
Total Recoverable	Analysis	SM 2340B		1	817265	DAJ	EET CHI	05/12/25 09:52
Total/NA	Analysis	300.0		1	815810	MM	EET CHI	04/30/25 14:13
Total/NA	Analysis	300.0		1	815811	MM	EET CHI	04/30/25 14:13
Total/NA	Analysis	300.0		20	818103	W1T	EET CHI	05/17/25 23:13
Total/NA	Prep	Distill/CN			816781	AC	EET CHI	05/07/25 14:54 - 05/07/25 15:24 [1]
Total/NA	Analysis	335.4		1	816981	AC	EET CHI	05/08/25 13:50
Total/NA	Prep	Distill/Ammonia			817986	KF	EET CHI	05/16/25 11:18 - 05/16/25 12:18 [1]
Total/NA	Analysis	350.1		1	818073	KF	EET CHI	05/16/25 15:27
Total/NA	Prep	365.2/365.3/365			815944	MF	EET CHI	05/01/25 09:00 - 05/01/25 13:00 [1]
Total/NA	Analysis	365.1		1	816257	KF	EET CHI	05/03/25 11:51
Total/NA	Analysis	SM 2320B		1	816448	AC	EET CHI	05/05/25 20:22
Total/NA	Analysis	SM 2520B		1	816837	AC	EET CHI	05/08/25 07:50
Total/NA	Analysis	SM 2540C		1	815886	CLB	EET CHI	05/01/25 03:45
Total/NA	Analysis	SM 2540D		1	815829	SO	EET CHI	04/30/25 14:54 - 04/30/25 14:58 [1]
Total/NA	Analysis	SM 4500 S2 F		1	815882	CLB	EET CHI	05/01/25 00:47 - 05/01/25 00:52 [1]
Dissolved	Analysis	SM 5310C		1	817571	TR	EET CHI	05/13/25 09:29
Total/NA	Analysis	SM 5310C		1	816415	TR	EET CHI	05/05/25 11:58

Client Sample ID: MW-3A_20250428_FBLL

Lab Sample ID: 500-267552-2

Date Collected: 04/28/25 11:00
Date Received: 04/30/25 09:15

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	1631E		1	6709	COW	EET SSM	05/08/25 00:14

Client Sample ID: ARC-03_20250428

Lab Sample ID: 500-267552-3

Date Collected: 04/28/25 15:40

Matrix: Water

Date Received: 04/30/25 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	1630			6822	AJD	EET SSM	05/15/25 10:30
Dissolved	Analysis	1630		1	6850	COW	EET SSM	05/15/25 23:10
Total/NA	Prep	1630			6822	AJD	EET SSM	05/15/25 10:30
Total/NA	Analysis	1630		1	6850	COW	EET SSM	05/15/25 23:00
Dissolved	Analysis	1631E		1	6709	COW	EET SSM	05/08/25 01:08
Total/NA	Analysis	1631E		1	6709	COW	EET SSM	05/08/25 00:18
Dissolved	Prep	1638			6910	V1R	EET SSM	05/21/25 11:14
Dissolved	Analysis	1638		1	6966	COW	EET SSM	05/21/25 22:27
Total Recoverable	Prep	1638			6910	V1R	EET SSM	05/21/25 11:14
Total Recoverable	Analysis	1638		1	6966	COW	EET SSM	05/21/25 22:57
Dissolved	Prep	3005A			816972	S1Z	EET CHI	05/08/25 16:11 - 05/08/25 22:11 [1]
Dissolved	Analysis	6020B		1	817255	RN	EET CHI	05/09/25 14:33
Dissolved	Prep	3005A			816972	S1Z	EET CHI	05/08/25 16:11 - 05/08/25 22:11 [1]
Dissolved	Analysis	6020B		1	817410	RN	EET CHI	05/12/25 14:37
Total Recoverable	Prep	3005A			816972	S1Z	EET CHI	05/08/25 16:11 - 05/08/25 22:11 [1]
Total Recoverable	Analysis	6020B		1	817255	RN	EET CHI	05/09/25 14:30
Total Recoverable	Prep	3005A			816972	S1Z	EET CHI	05/08/25 16:11 - 05/08/25 22:11 [1]
Total Recoverable	Analysis	6020B		1	817410	RN	EET CHI	05/12/25 14:10
Total Recoverable	Prep	3005A			816972	S1Z	EET CHI	05/08/25 16:11 - 05/08/25 22:11 [1]
Total Recoverable	Analysis	SM 2340B		1	817265	DAJ	EET CHI	05/12/25 09:52
Total/NA	Analysis	300.0		1	815810	MM	EET CHI	04/30/25 13:43
Total/NA	Analysis	300.0		1	815811	MM	EET CHI	04/30/25 13:43
Total/NA	Prep	Distill/CN			816781	AC	EET CHI	05/07/25 14:54 - 05/07/25 15:24 [1]
Total/NA	Analysis	335.4		1	816981	AC	EET CHI	05/08/25 13:51
Total/NA	Prep	Distill/Ammonia			817986	KF	EET CHI	05/16/25 11:18 - 05/16/25 12:18 [1]
Total/NA	Analysis	350.1		1	818073	KF	EET CHI	05/16/25 15:28
Total/NA	Prep	365.2/365.3/365			815944	MF	EET CHI	05/01/25 09:00 - 05/01/25 13:00 [1]
Total/NA	Analysis	365.1		1	816257	KF	EET CHI	05/03/25 11:52
Total/NA	Analysis	SM 2320B		1	816448	AC	EET CHI	05/05/25 20:32
Total/NA	Analysis	SM 2520B		1	817193	AC	EET CHI	05/11/25 12:45
Total/NA	Analysis	SM 2540C		1	815886	CLB	EET CHI	05/01/25 03:48
Total/NA	Analysis	SM 2540D		1	815829	SO	EET CHI	04/30/25 14:58 - 04/30/25 15:02 [1]
Total/NA	Analysis	SM 4500 S2 F		1	815882	CLB	EET CHI	05/01/25 00:52 - 05/01/25 00:56 [1]
Dissolved	Analysis	SM 5310C		1	816857	TR	EET CHI	05/07/25 02:16
Total/NA	Analysis	SM 5310C		1	816415	TR	EET CHI	05/05/25 12:31

Client Sample ID: ARC-03_20250428_FBLL

Lab Sample ID: 500-267552-4

Date Collected: 04/28/25 15:40

Matrix: Water

Date Received: 04/30/25 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	1631E		1	6709	COW	EET SSM	05/08/25 00:22

Lab Chronicle

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267552-1

Client Sample ID: PNC-01_20250428

Lab Sample ID: 500-267552-5

Date Collected: 04/28/25 14:30

Matrix: Water

Date Received: 04/30/25 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	1630			6822	AJD	EET SSM	05/15/25 10:30
Dissolved	Analysis	1630		1	6850	COW	EET SSM	05/15/25 23:51
Total/NA	Prep	1630			6822	AJD	EET SSM	05/15/25 10:30
Total/NA	Analysis	1630		1	6850	COW	EET SSM	05/15/25 23:41
Dissolved	Analysis	1631E		1	6709	COW	EET SSM	05/08/25 01:12
Total/NA	Analysis	1631E		1	6709	COW	EET SSM	05/08/25 00:26
Dissolved	Prep	1638			6910	V1R	EET SSM	05/21/25 11:14
Dissolved	Analysis	1638		1	6966	COW	EET SSM	05/21/25 22:31
Total Recoverable	Prep	1638			6910	V1R	EET SSM	05/21/25 11:14
Total Recoverable	Analysis	1638		1	6966	COW	EET SSM	05/21/25 23:00
Dissolved	Prep	3005A			816972	S1Z	EET CHI	05/08/25 16:11 - 05/08/25 22:11 [1]
Dissolved	Analysis	6020B		1	817255	RN	EET CHI	05/09/25 14:45
Dissolved	Prep	3005A			816972	S1Z	EET CHI	05/08/25 16:11 - 05/08/25 22:11 [1]
Dissolved	Analysis	6020B		1	817410	RN	EET CHI	05/12/25 14:41
Total Recoverable	Prep	3005A			816972	S1Z	EET CHI	05/08/25 16:11 - 05/08/25 22:11 [1]
Total Recoverable	Analysis	6020B		1	817255	RN	EET CHI	05/09/25 14:43
Total Recoverable	Prep	3005A			816972	S1Z	EET CHI	05/08/25 16:11 - 05/08/25 22:11 [1]
Total Recoverable	Analysis	6020B		1	817410	RN	EET CHI	05/12/25 14:39
Total Recoverable	Prep	3005A			816972	S1Z	EET CHI	05/08/25 16:11 - 05/08/25 22:11 [1]
Total Recoverable	Analysis	SM 2340B		1	817265	DAJ	EET CHI	05/12/25 09:52
Total/NA	Analysis	300.0		1	815810	MM	EET CHI	04/30/25 13:27
Total/NA	Analysis	300.0		1	815811	MM	EET CHI	04/30/25 13:27
Total/NA	Prep	Distill/CN			816781	AC	EET CHI	05/07/25 14:54 - 05/07/25 15:24 [1]
Total/NA	Analysis	335.4		1	816981	AC	EET CHI	05/08/25 13:54
Total/NA	Prep	Distill/Ammonia			817986	KF	EET CHI	05/16/25 11:18 - 05/16/25 12:18 [1]
Total/NA	Analysis	350.1		1	818073	KF	EET CHI	05/16/25 15:28
Total/NA	Prep	365.2/365.3/365			815944	MF	EET CHI	05/01/25 09:00 - 05/01/25 13:00 [1]
Total/NA	Analysis	365.1		1	816257	KF	EET CHI	05/03/25 11:53
Total/NA	Analysis	SM 2320B		1	816448	AC	EET CHI	05/05/25 20:41
Total/NA	Analysis	SM 2520B		1	817193	AC	EET CHI	05/11/25 12:45
Total/NA	Analysis	SM 2540C		1	815886	CLB	EET CHI	05/01/25 03:50
Total/NA	Analysis	SM 2540D		1	815829	SO	EET CHI	04/30/25 15:06 - 04/30/25 15:09 [1]
Total/NA	Analysis	SM 4500 S2 F		1	815882	CLB	EET CHI	05/01/25 00:56 - 05/01/25 01:00 [1]
Dissolved	Analysis	SM 5310C		1	816857	TR	EET CHI	05/07/25 02:48
Total/NA	Analysis	SM 5310C		1	816415	TR	EET CHI	05/05/25 13:03

Client Sample ID: PNC-01_20250428_FBLL

Lab Sample ID: 500-267552-6

Date Collected: 04/28/25 14:30

Matrix: Water

Date Received: 04/30/25 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	1631E		1	6709	COW	EET SSM	05/08/25 00:30

Lab Chronicle

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267552-1

Client Sample ID: ARC-01_20250428

Lab Sample ID: 500-267552-7

Date Collected: 04/28/25 13:45
Matrix: Water
Date Received: 04/30/25 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	1630			6822	AJD	EET SSM	05/15/25 10:30
Dissolved	Analysis	1630		1	6850	COW	EET SSM	05/16/25 00:12
Total/NA	Prep	1630			6822	AJD	EET SSM	05/15/25 10:30
Total/NA	Analysis	1630		1	6850	COW	EET SSM	05/16/25 00:01
Dissolved	Analysis	1631E		1	6709	COW	EET SSM	05/08/25 01:16
Total/NA	Analysis	1631E		1	6709	COW	EET SSM	05/08/25 00:35
Dissolved	Prep	1638			6910	V1R	EET SSM	05/21/25 11:14
Dissolved	Analysis	1638		1	6966	COW	EET SSM	05/21/25 22:42
Total Recoverable	Prep	1638			6910	V1R	EET SSM	05/21/25 11:14
Total Recoverable	Analysis	1638		1	6966	COW	EET SSM	05/21/25 22:16
Dissolved	Prep	3005A			816972	S1Z	EET CHI	05/08/25 16:11 - 05/08/25 22:11 [1]
Dissolved	Analysis	6020B		1	817255	RN	EET CHI	05/09/25 14:50
Dissolved	Prep	3005A			816972	S1Z	EET CHI	05/08/25 16:11 - 05/08/25 22:11 [1]
Dissolved	Analysis	6020B		1	817410	RN	EET CHI	05/12/25 15:02
Total Recoverable	Prep	3005A			816972	S1Z	EET CHI	05/08/25 16:11 - 05/08/25 22:11 [1]
Total Recoverable	Analysis	6020B		1	817255	RN	EET CHI	05/09/25 14:47
Total Recoverable	Prep	3005A			816972	S1Z	EET CHI	05/08/25 16:11 - 05/08/25 22:11 [1]
Total Recoverable	Analysis	6020B		1	817410	RN	EET CHI	05/12/25 14:44
Total Recoverable	Prep	3005A			816972	S1Z	EET CHI	05/08/25 16:11 - 05/08/25 22:11 [1]
Total Recoverable	Analysis	SM 2340B		1	817265	DAJ	EET CHI	05/12/25 09:52
Total/NA	Analysis	300.0		1	815810	MM	EET CHI	04/30/25 14:29
Total/NA	Analysis	300.0		1	815811	MM	EET CHI	04/30/25 14:29
Total/NA	Prep	Distill/CN			816781	AC	EET CHI	05/07/25 14:54 - 05/07/25 15:24 [1]
Total/NA	Analysis	335.4		1	816981	AC	EET CHI	05/08/25 13:54
Total/NA	Prep	Distill/Ammonia			817986	KF	EET CHI	05/16/25 11:18 - 05/16/25 12:18 [1]
Total/NA	Analysis	350.1		1	818073	KF	EET CHI	05/16/25 15:29
Total/NA	Prep	365.2/365.3/365			815944	MF	EET CHI	05/01/25 09:00 - 05/01/25 13:00 [1]
Total/NA	Analysis	365.1		1	816257	KF	EET CHI	05/03/25 11:54
Total/NA	Analysis	SM 2320B		1	816448	AC	EET CHI	05/05/25 20:52
Total/NA	Analysis	SM 2520B		1	817193	AC	EET CHI	05/11/25 12:45
Total/NA	Analysis	SM 2540C		1	815886	CLB	EET CHI	05/01/25 03:53
Total/NA	Analysis	SM 2540D		1	815829	SO	EET CHI	04/30/25 15:13 - 04/30/25 15:17 [1]
Total/NA	Analysis	SM 4500 S2 F		1	815882	CLB	EET CHI	05/01/25 01:00 - 05/01/25 01:04 [1]
Dissolved	Analysis	SM 5310C		1	816857	TR	EET CHI	05/07/25 05:29
Total/NA	Analysis	SM 5310C		1	816415	TR	EET CHI	05/05/25 13:35

Client Sample ID: ARC-01_20250428_FBLL

Lab Sample ID: 500-267552-8

Date Collected: 04/28/25 13:45
Matrix: Water
Date Received: 04/30/25 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	1631E		1	6929	CL	EET SSM	05/20/25 15:52

Lab Chronicle

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267552-1

Client Sample ID: MLR-01_20250428

Lab Sample ID: 500-267552-9

Date Collected: 04/28/25 09:50
Date Received: 04/30/25 09:15

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	1630			6842	AJD	EET SSM	05/16/25 11:04
Dissolved	Analysis	1630		1	6879	COW	EET SSM	05/16/25 20:46
Total/NA	Prep	1630			6842	AJD	EET SSM	05/16/25 11:04
Total/NA	Analysis	1630		1	6879	COW	EET SSM	05/16/25 19:24
Dissolved	Analysis	1631E		1	6709	COW	EET SSM	05/08/25 01:20
Total/NA	Analysis	1631E		1	6793	CL	EET SSM	05/13/25 19:47
Dissolved	Prep	1638			6910	V1R	EET SSM	05/21/25 11:14
Dissolved	Analysis	1638		1	6966	COW	EET SSM	05/21/25 22:46
Total Recoverable	Prep	1638			6910	V1R	EET SSM	05/21/25 11:14
Total Recoverable	Analysis	1638		1	6966	COW	EET SSM	05/21/25 23:04
Dissolved	Prep	3005A			816972	S1Z	EET CHI	05/08/25 16:11 - 05/08/25 22:11 [1]
Dissolved	Analysis	6020B		1	817255	RN	EET CHI	05/09/25 14:55
Dissolved	Prep	3005A			816972	S1Z	EET CHI	05/08/25 16:11 - 05/08/25 22:11 [1]
Dissolved	Analysis	6020B		1	817410	RN	EET CHI	05/12/25 15:07
Total Recoverable	Prep	3005A			816972	S1Z	EET CHI	05/08/25 16:11 - 05/08/25 22:11 [1]
Total Recoverable	Analysis	6020B		1	817255	RN	EET CHI	05/09/25 14:52
Total Recoverable	Prep	3005A			816972	S1Z	EET CHI	05/08/25 16:11 - 05/08/25 22:11 [1]
Total Recoverable	Analysis	6020B		1	817410	RN	EET CHI	05/12/25 15:05
Total Recoverable	Prep	3005A			816972	S1Z	EET CHI	05/08/25 16:11 - 05/08/25 22:11 [1]
Total Recoverable	Analysis	SM 2340B		1	817265	DAJ	EET CHI	05/12/25 09:52
Total/NA	Analysis	300.0		1	815810	MM	EET CHI	04/30/25 14:44
Total/NA	Analysis	300.0		1	815811	MM	EET CHI	04/30/25 14:44
Total/NA	Prep	Distill/CN			816781	AC	EET CHI	05/07/25 14:54 - 05/07/25 15:24 [1]
Total/NA	Analysis	335.4		1	816981	AC	EET CHI	05/08/25 13:54
Total/NA	Prep	Distill/Ammonia			817986	KF	EET CHI	05/16/25 11:18 - 05/16/25 12:18 [1]
Total/NA	Analysis	350.1		1	818073	KF	EET CHI	05/16/25 15:30
Total/NA	Prep	365.2/365.3/365			815944	MF	EET CHI	05/01/25 09:00 - 05/01/25 13:00 [1]
Total/NA	Analysis	365.1		1	816257	KF	EET CHI	05/03/25 11:57
Total/NA	Analysis	SM 2320B		1	816448	AC	EET CHI	05/05/25 21:01
Total/NA	Analysis	SM 2520B		1	817193	AC	EET CHI	05/11/25 12:45
Total/NA	Analysis	SM 2540C		1	815886	CLB	EET CHI	05/01/25 03:56
Total/NA	Analysis	SM 2540D		1	815829	SO	EET CHI	04/30/25 15:17 - 04/30/25 15:21 [1]
Total/NA	Analysis	SM 4500 S2 F		1	815882	CLB	EET CHI	05/01/25 01:04 - 05/01/25 01:08 [1]
Dissolved	Analysis	SM 5310C		1	816857	TR	EET CHI	05/07/25 06:01
Total/NA	Analysis	SM 5310C		1	816774	TR	EET CHI	05/06/25 18:12

Client Sample ID: MLR-01_20250428_FBLL

Lab Sample ID: 500-267552-10

Date Collected: 04/28/25 09:50
Date Received: 04/30/25 09:15

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	1631E		1	6793	CL	EET SSM	05/13/25 19:51

Client Sample ID: DKC-01_20250428

Lab Sample ID: 500-267552-11

Date Collected: 04/28/25 12:00

Matrix: Water

Date Received: 04/30/25 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	1630			6842	AJD	EET SSM	05/16/25 11:04
Dissolved	Analysis	1630		1	6879	COW	EET SSM	05/16/25 21:06
Total/NA	Prep	1630			6842	AJD	EET SSM	05/16/25 11:04
Total/NA	Analysis	1630		1	6879	COW	EET SSM	05/16/25 20:56
Dissolved	Analysis	1631E		1	6709	COW	EET SSM	05/08/25 01:29
Total/NA	Analysis	1631E		1	6709	COW	EET SSM	05/08/25 01:24
Dissolved	Prep	1638			6910	V1R	EET SSM	05/21/25 11:14
Dissolved	Analysis	1638		1	6966	COW	EET SSM	05/21/25 22:49
Total Recoverable	Prep	1638			6910	V1R	EET SSM	05/21/25 11:14
Total Recoverable	Analysis	1638		1	6966	COW	EET SSM	05/21/25 23:08
Dissolved	Prep	3005A			816972	S1Z	EET CHI	05/08/25 16:11 - 05/08/25 22:11 [1]
Dissolved	Analysis	6020B		1	817255	RN	EET CHI	05/09/25 15:00
Dissolved	Prep	3005A			816972	S1Z	EET CHI	05/08/25 16:11 - 05/08/25 22:11 [1]
Dissolved	Analysis	6020B		1	817410	RN	EET CHI	05/12/25 15:12
Total Recoverable	Prep	3005A			816972	S1Z	EET CHI	05/08/25 16:11 - 05/08/25 22:11 [1]
Total Recoverable	Analysis	6020B		1	817255	RN	EET CHI	05/09/25 14:57
Total Recoverable	Prep	3005A			816972	S1Z	EET CHI	05/08/25 16:11 - 05/08/25 22:11 [1]
Total Recoverable	Analysis	6020B		1	817410	RN	EET CHI	05/12/25 15:10
Total Recoverable	Prep	3005A			816972	S1Z	EET CHI	05/08/25 16:11 - 05/08/25 22:11 [1]
Total Recoverable	Analysis	SM 2340B		1	817265	DAJ	EET CHI	05/12/25 09:52
Total/NA	Analysis	300.0		1	815810	MM	EET CHI	04/30/25 14:59
Total/NA	Analysis	300.0		1	815811	MM	EET CHI	04/30/25 14:59
Total/NA	Prep	Distill/CN			816781	AC	EET CHI	05/07/25 14:54 - 05/07/25 15:24 [1]
Total/NA	Analysis	335.4		1	816981	AC	EET CHI	05/08/25 13:56
Total/NA	Prep	Distill/Ammonia			817986	KF	EET CHI	05/16/25 11:18 - 05/16/25 12:18 [1]
Total/NA	Analysis	350.1		1	818073	KF	EET CHI	05/16/25 15:30
Total/NA	Prep	365.2/365.3/365			815944	MF	EET CHI	05/01/25 09:00 - 05/01/25 13:00 [1]
Total/NA	Analysis	365.1		1	816257	KF	EET CHI	05/03/25 11:58
Total/NA	Analysis	SM 2320B		1	816448	AC	EET CHI	05/05/25 21:09
Total/NA	Analysis	SM 2520B		1	817193	AC	EET CHI	05/11/25 12:45
Total/NA	Analysis	SM 2540C		1	815886	CLB	EET CHI	05/01/25 03:58
Total/NA	Analysis	SM 2540D		1	815829	SO	EET CHI	04/30/25 15:21 - 04/30/25 15:25 [1]
Total/NA	Analysis	SM 4500 S2 F		1	815882	CLB	EET CHI	05/01/25 01:08 - 05/01/25 01:13 [1]
Dissolved	Analysis	SM 5310C		1	816857	TR	EET CHI	05/07/25 06:33
Total/NA	Analysis	SM 5310C		1	816774	TR	EET CHI	05/06/25 18:45

Client Sample ID: DKC-01_20250428_FBLL

Lab Sample ID: 500-267552-12

Date Collected: 04/28/25 12:00

Matrix: Water

Date Received: 04/30/25 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	1631E		1	6709	COW	EET SSM	05/08/25 01:41

[1] This procedure uses a method stipulated length of time for the process. Both start and end times are displayed.

Lab Chronicle

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267552-1

Laboratory References:

EET CHI = Eurofins Chicago, 18410 Crossing Drive, Suite E, Tinley Park, IL 60487, TEL (708)534-5200

EET SSM = Eurofins Seattle Specialty Metals, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

Accreditation/Certification Summary

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267552-1

Laboratory: Eurofins Chicago

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Georgia	State	N/A	05-31-25
Georgia (DW)	State	939	05-31-25
Hawaii	State	NA	05-31-25
Illinois	NELAP	100201	05-31-26
Indiana	State	C-IL-02	05-31-25
Iowa	State	082	05-01-26
Kansas	NELAP	E-10161	10-31-25
Kentucky (UST)	State	AI # 108083	05-31-26
Kentucky (WW)	State	KY90023	12-31-24 *
Louisiana (All)	NELAP	02046	06-30-25
Mississippi	State	NA	05-31-25
North Carolina (WW/SW)	State	291	12-31-25
North Dakota	State	R-194	04-29-24 *
Oklahoma	State	8908	08-31-25
South Carolina	State	77001003	05-31-25
USDA	US Federal Programs	P330-18-00018	03-30-26
Wisconsin	State	399172840	08-31-25
Wyoming	State	8TMS-Q	05-31-25

Laboratory: Eurofins Seattle Specialty Metals

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	20-004	02-19-27
ANAB	Dept. of Defense ELAP	L2236	01-19-27
ANAB	Dept. of Energy	L2236.01	01-19-27
ANAB	ISO/IEC 17025	L2236	01-19-27
California	State	2954	07-08-26
Florida	NELAP	E87575	06-30-25
Louisiana (All)	NELAP	03073	06-30-25
Maine	State	WA01273	05-02-26
New Jersey	NELAP	WA014	06-30-25
New York	NELAP	11662	04-01-26
Oregon	NELAP	4167-008	07-07-25
US Fish & Wildlife	US Federal Programs	A20571	06-30-25
USDA	US Federal Programs	525-23-4-22573	01-24-28
Washington	State	C788-23a	07-13-25
Wisconsin	State	399133460	07-31-25

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Eurofins Chicago
18410 Crossing Drive, Suite E
Tinley Park, IL 60487
Phone (708) 534-5200 Phone (262) 202-5955

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Jacob Dahl	Lab PM: Fredrick, Sandie	Carrier Tracking No(s): 4523 1805 8130	COC No.: 500-135006-50241 3
Client Contact: Amanda Zeidler	Phone: 906 487-7454	E-Mail: Sandra Fredrick@et eurofinsus com	State of Origin: Michigan	Page: Page 1 of 1
Company: White Pine Copper LLC	PWSID:			Job #: 500-267552
Address: 35362 Mall Circle Drive	Due Date Requested:			
City: White Pine	TAT Requested (days): 10 days			
State, Zip: MI, 49971	Compliance Project: Δ Yes Δ No			
Phone: 906-204-6500	PO #: Purchase Order not required			
Email: AZeidler@whitepinecu com	WO #:			
Project Name: White Pines, MI	Project #: 50023455			
Site: White Pine North Baseline Sampling	SSOW#:			

Analysis Requested

Preservation Codes:
S H2SO4
N None
CB ZnAcetate/NaOH
B NaOH
D HNO3
A HCL

500-267552 COC

Other:

	Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	350.1 Ammonia, 365.1 Phos	2320B, 2540C, 2540D, 300.0_28D, 300_48HR, SM2520_B	SM4500_S2_F - Sulfide, Total	335.4 - Cyanide, Total	SM5310_DOC_C - Organic Carbon, Dissolved (DOC) - tripli	6020B, SM2340B Total Metals / Hardness	1638 - Uranium only (ICP/MS)	1631E - Mercury, Low Level (CVAFS)	1630_ME - Methyl Mercury	6020B - Dissolved Metals (ICP/MS) - 27 elements	1638 - Dissolved Uranium only (ICP/MS) (field filtered)	1631E - Dissolved Mercury, Low Level (CVAFS) (filtered)	1630_ME - Dissolved Methyl Mercury (field filtered)	5310C - TOC	Total Number of containers	Special Instructions/Note:
	Preservation Code:							S	N	CB	B	S	D	D	N	A	D	D	N	A	S		
1	MW-3A_20250428	4-28 25	11:00	G	Water	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	22	
2	MW 3A_20250428_FBLK	4-28 25	11:00	G	Water										X							2	
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested I, II, III, IV, Other (specify)

Special Instructions/QC Requirements MDLs must meet Michigan requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment: FEDEX PRIORITY OVERNIGHT

Relinquished by: Jacob Dahl	Date/Time: 4/29 25/ 13.00	Company: MSG	Received by: FedEx Trk # 4523 1805 8130	Date/Time	Company
Relinquished by:	Date/Time	Company	Received by: Stephanie Hernandez	Date/Time: 4/30/25 0915	Company: EEHA
Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company

Custody Seals Intact. Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks: 3.1+3.4, 2.8+3.1, 2.5+2.9	48gt.

Eurofins Chicago
18410 Crossing Drive, Suite E
Tinley Park, IL 60487
Phone (708) 534-5200 Phone (262) 202-5955

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Ellen Coffernoll	Lab PM: Fredrick, Sandie	Carrier Tracking No(s): 452318058130	COC No: 500-135006-50241 2
Client Contact: Amanda Zeidler	Phone: 517-513-2249	E-Mail: Sandra Fredrick@et eurofinsus com	State of Origin: Michigan	Page: Page 1 of 1
Company: White Pine Copper LLC	PWSID:			Job #: 500-267552
Address: 35362 Mall Circle Drive	Due Date Requested:			
City: White Pine	TAT Requested (days): 10 days			
State, Zip: MI, 49971	Compliance Project: Δ Yes Δ No			
Phone: 906-204-6500	PO #: Purchase Order not required			
Email: AZeidler@whitepinecu com	WO #:			
Project Name: White Pines, MI	Project #: 50023455			
Site: White Pine North Baseline Sampling	SSOW#:			

Analysis Requested

Preservation Codes:
S H2SO4
N None
CB ZnAcetate/NaOH
B NaOH
D HNO3
A HCL
Other:

	Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	350.1 Ammonia, 365.1 Phos	2320B, 2540C, 2540D, 300.0_28D, 300_48HR, SM2520_B	SM4500_S2_F - Sulfide, Total	335.4 - Cyanide, Total	SM5310_DOC_C - Organic Carbon, Dissolved (DOC) - tripli	6020B, SM2340B Total Metals / Hardness	1638 - Uranium only (ICP/MS)	1631E - Mercury, Low Level (CVAFS)	1630_ME - Methyl Mercury	6020B - Dissolved Metals (ICP/MS) - 27 elements	1638 - Dissolved Uranium only (ICP/MS) (field filtered)	1631E - Dissolved Mercury, Low Level (CVAFS) (filtered)	1630_ME - Dissolved Methyl Mercury (field filtered)	5310C - TOC	Total Number of containers	Special Instructions/Note:
	Preservation Code:							S	N	CB	B	S	D	D	N	A	D	D	N	A	S		
3	ARC-03_20250428	4-28 25	15:40	G	Water	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	22	
4	ARC-03 20250428_FBK	4-28 25	15:40	G	Water										X							2	
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested I, II, III, IV, Other (specify)

Special Instructions/QC Requirements MDLs must meet Michigan requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment: FEDEX PRIORITY WEDMONT

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1	Ellen Coffernoll	4 28 25 17:00	MSG		4-28 25 17:00	MSG
2		4-29-25 10:00	MSG	FedEx 452318058130		
3				Stephanie Hernandez	4130125 0915	EETA

Custody Seals Intact Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks

Eurofins Chicago
18410 Crossing Drive, Suite E
Tinley Park, IL 60487
Phone (708) 534-5200 Phone (262) 202-5955

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Ellen Coppernoll	Lab PM: Fredrick, Sandie	Carrier Tracking No(s): 452318058118	COC No: 500-135006-50241 4
Client Contact: Amanda Zeidler	Phone: 517-513 2249	E-Mail: Sandra Fredrick@et.eurofinsus com	State of Origin: Michigan	Page: Page 1 of 1
Company: White Pine Copper LLC	PWSID:			Job #: 500-207552
Address: 35362 Mall Circle Drive	Due Date Requested:			
City: White Pine	TAT Requested (days): 10 days			
State Zip: MI, 49971	Compliance Project: Δ Yes Δ No			
Phone: 906-204-6500	PO #: Purchase Order not required			
Email: AZeidler@whitepinecu com	WO #:			
Project Name: White Pines, MI	Project #: 50023455			
Site: White Pine North Baseline Sampling	SSOW#:			

Analysis Requested

Preservation Codes:
S H2SO4
N None
CB ZnAcetate/NaOH
B NaOH
D HNO3
A HCL
Other:

	Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	350.1 Ammonia, 365.1 Phos	2320B, 2540C, 2540D, 300.0_28D, 300_48HR, SM2520_B	SM4500_S2_F - Sulfide, Total	335.4 - Cyanide, Total	SM5310_DOC_C - Organic Carbon, Dissolved (DOC) - tripli	6020B, SM2340B Total Metals / Hardness	1638 - Uranium only (ICP/MS)	1631E - Mercury, Low Level (CVAFS)	1630_ME - Methyl Mercury	6020B - Dissolved Metals (ICP/MS) - 27 elements	1638 - Dissolved Uranium only (ICP/MS) (field filtered)	1631E - Dissolved Mercury, Low Level (CVAFS) (filtered)	1630_ME - Dissolved Methyl Mercury (field filtered)	5310C - TOC	Total Number of containers	Special Instructions/Note:
				Preservation Code:				S	N	CB	B	S	D	D	N	A	D	D	N	A	S		
5	PNC-01-20250428	4-28-25	14:30	G	Water	X		X	X	X	X	X	X	X	Y	Y	X	Y	X	X	X	2	
6	PNC-01-20250428-FBLK	4-28 25	14:30	G	Water										X							2	
7	ARC-01-20250428	4-28 25	13 45	G	Water	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	2	
8	ARC-01-20250428 FBLK	4 28 25	13.45	G	Water										X							2	
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested I, II, III, IV, Other (specify)

Special Instructions/QC Requirements MDLs must meet Michigan requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment: FEDEX PRIORITY OVERNIGHT

Relinquished by: Ellen	Date/Time: 4-28 25 17:00	Company: MSG	Received by:	Date/Time: 4 28 25 17:00	Company: MSG
Relinquished by:	Date/Time: 4 29-25 10:00	Company: MSG	Received by: FedEx 452318058118	Date/Time:	Company:
Relinquished by:	Date/Time:	Company:	Received by: Stephanie Hernandez	Date/Time: 4/30/25 0915	Company: EETA

Custody Seals Intact Δ Yes Δ No | Custody Seal No | Cooler Temperature(s) °C and Other Remarks: 48qt.

Eurofins Chicago
18410 Crossing Drive, Suite E
Tinley Park, IL 60487
Phone (708) 534-5200 Phone (262) 202-5955

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: ELLEN COPPERNOLL	Lab PM: Fredrick, Sandie	Carrier Tracking No(s): 4523 18058129	COC No: 500-135006-50241 1
Client Contact: Amanda Zeidler	Phone: 317-513 2249	E-Mail: Sandra Fredrick@et eurofinsus com	State of Origin: Michigan	Page: Page 1 of 1
Company: White Pine Copper LLC	PWSID:			Job #: 500-267552
Address: 35362 Mall Circle Drive	Due Date Requested:			
City: White Pine	TAT Requested (days): 10 days			
State, Zip: MI, 49971	Compliance Project: Δ Yes Δ No			
Phone: 906-204-6500	PO #: Purchase Order not required			
Email: AZeidler@whitepinecu com	WO #:			
Project Name: White Pines, MI	Project #: 50023455			
Site: White Pine North Baseline Sampling	SSOW#:			

Analysis Requested

Preservation Codes:
S H2SO4
N None
CB ZnAcetate/NaOH
B NaOH
D HNO3
A HCL
Other:

	Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	350.1 Ammonia, 365.1 Phos	2320B, 2540C, 2540D, 300.0_28D, 300_48HR, SM2520_B	SM4500_S2_F - Sulfide, Total	335.4 - Cyanide, Total	SM5310_DOC_C - Organic Carbon, Dissolved (DOC) - tripli	6020B, SM2340B Total Metals / Hardness	1638 - Uranium only (ICP/MS)	1631E - Mercury, Low Level (CVAFS)	1630_ME - Methyl Mercury	6020B - Dissolved Metals (ICP/MS) - 27 elements	1638 - Dissolved Uranium only (ICP/MS) (field filtered)	1631E - Dissolved Mercury, Low Level (CVAFS) (filtered)	1630_ME - Dissolved Methyl Mercury (field filtered)	5310C - TOC	Total Number of containers	Special Instructions/Note:
				Preservation Code:				S	N	CB	B	S	D	D	N	A	D	D	N	A	S		
9	MLR-01_20250428	4-28 25	09:50	G	Water	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	22	
10	MLR-01_20250428_FBLL	4-28 25	09:50	G	Water										X							2	
11	DLC-01_20250428	4-28 25	12:00	G	Water	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	22	
12	DLC-01-20250428 FBLL	4 28 25	12:00	G	Water										X							2	
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

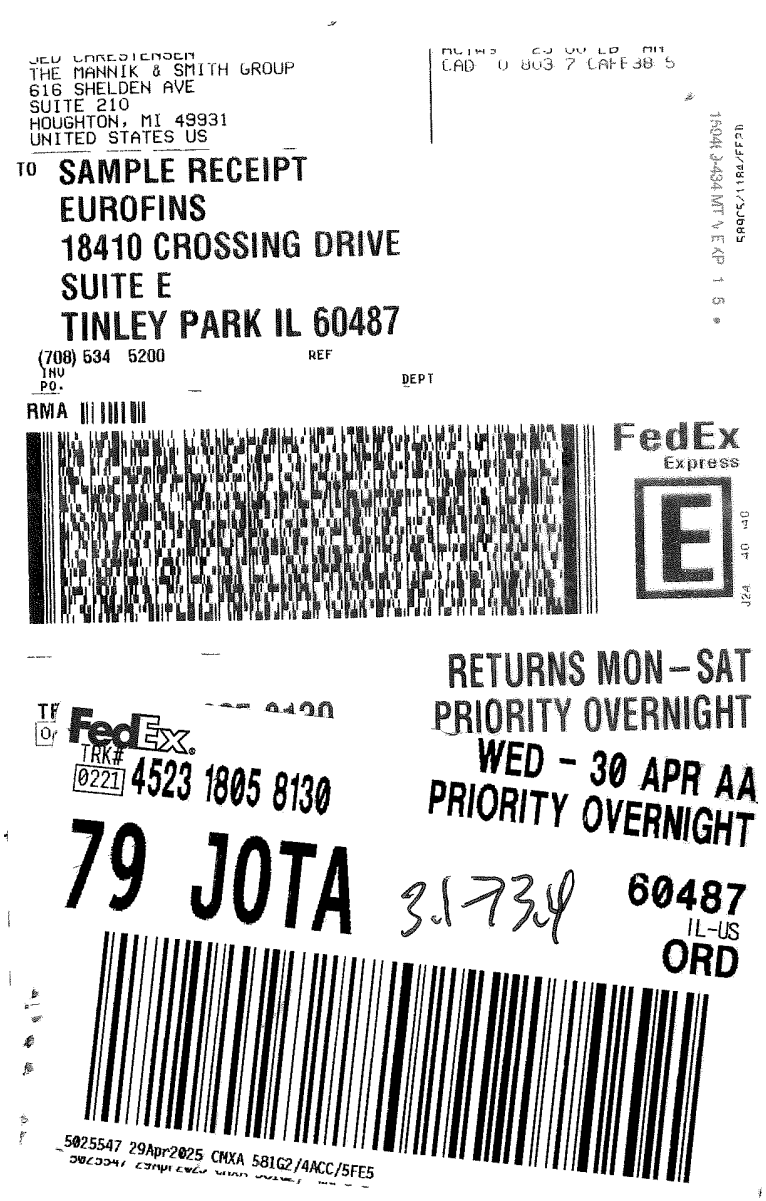
Deliverable Requested I, II, III, IV, Other (specify)

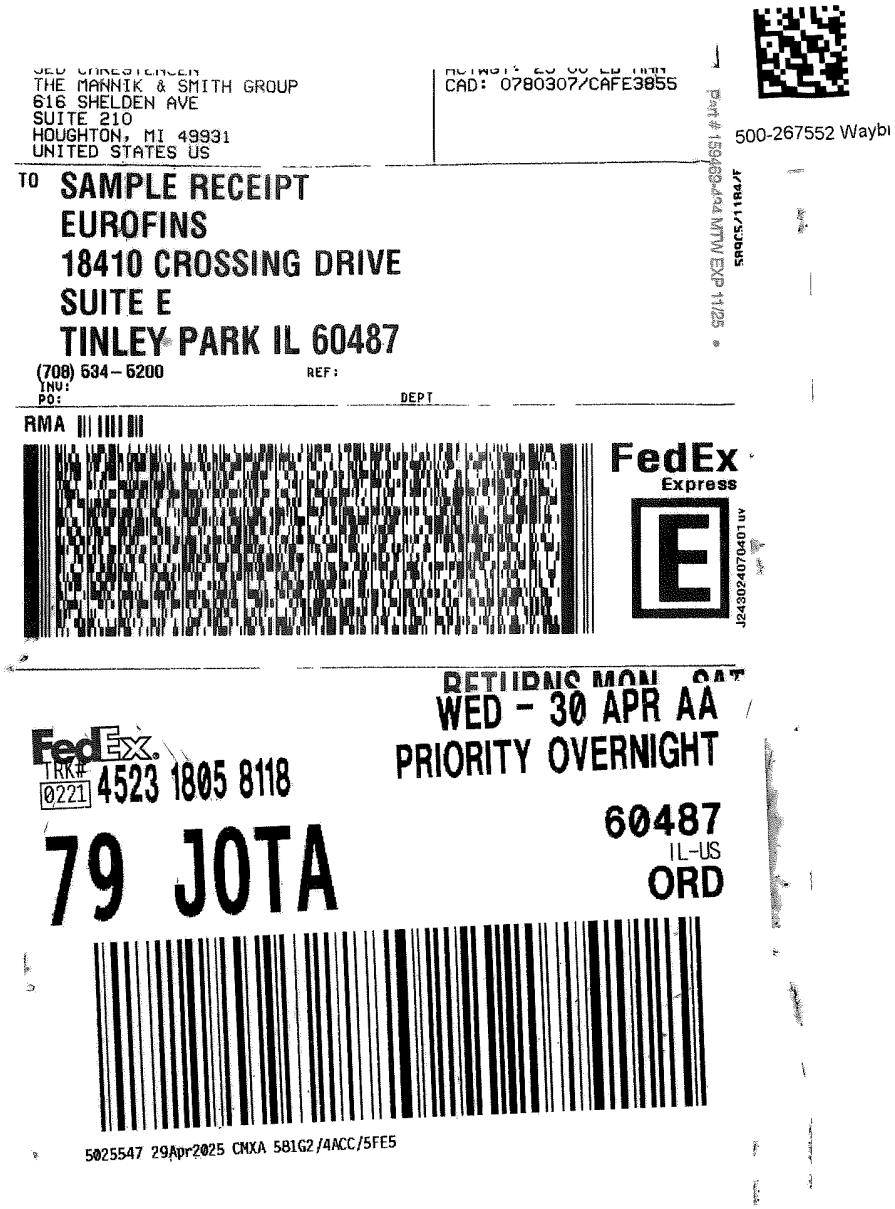
Special Instructions/QC Requirements MDLs must meet Michigan requirements

Empty Kit Relinquished by:	Date	Time	Method of Shipment: FEDEX PRIORITY OVERNIGHT

	Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company
1		4-28 25 17:00	MSG		4-28 25 17:00	MSG
2		4 29-25 08.00	MSG	FEDEX 452318058129	Date/Time	Company
3		Date/Time	Company	Stephanie Hernandez	4/30/25 0915	EEHA

Custody Seals Intact Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks
		48qt.


JED CARESTENSEN
THE MANNIK & SMITH GROUP
616 SHELDEN AVE
SUITE 210
HOUGHTON, MI 49931
UNITED STATES US
CAD: 0 803 7 CAFE38 5
TO SAMPLE RECEIPT
EUROFINS
18410 CROSSING DRIVE
SUITE E
TINLEY PARK IL 60487
(708) 534 5200
REF
INV
PO.
DEPT
RMA
FedEx Express
RETURNS MON-SAT
PRIORITY OVERNIGHT
WED - 30 APR AA
PRIORITY OVERNIGHT
TRK# 0221 4523 1805 8130
79 JOTA
3.1734
60487
IL-US
ORD
5025547 29Apr2025 CMXA 581G2/4ACC/5FE5


JED CARESTENSEN
THE MANNIK & SMITH GROUP
616 SHELDEN AVE
SUITE 210
HOUGHTON, MI 49931
UNITED STATES US
CAD: 0780307/CAFE3855
500-267552 Waybi
TO SAMPLE RECEIPT
EUROFINS
18410 CROSSING DRIVE
SUITE E
TINLEY PARK IL 60487
(708) 634-5200
REF:
INV:
PO:
DEPT
RMA
FedEx Express
WED - 30 APR AA
PRIORITY OVERNIGHT
TRK# 0221 4523 1805 8118
79 JOTA
60487
IL-US
ORD
5025547 29Apr2025 CMXA 581G2/4ACC/5FE5

Eurofins Chicago
18410 Crossing Drive Suite E
Tinley Park, IL 60487
Phone: 708-534-5200 Fax: 708-534-5211

Chain of Custody Record

eurofins | Environment Testing

5/23/2025

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Fredrick, Sandie	Carrier Tracking No(s): N/A	COC No: 500-200149.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Sandra.Fredrick@et.eurofinsus.com	State of Origin: Michigan	Page: Page 1 of 2
Company: Eurofins Environment Testing Northwest L		Accreditations Required (See note): N/A		Job #: 500-267552-1
Address: 5755 8th Street East, ,	Due Date Requested: 5/20/2025			Preservation Codes:
City: Tacoma	TAT Requested (days): N/A			
State, Zip: WA, 98424				
Phone: 253-922-2310(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: White Pines, MI	Project #: 50023455			
Site: N/A	SSOW#: N/A			Other: N/A

Therm. ID: SC02 Cust. Seal: Y / N
Uncorr./Corr. Temp: 1.2/1.0 °C
Delivery: UPS / FedEx / Other: ____
Ice Type: Blue / Dry / Wet / None
Label Ver.: 6 Packing: ____

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	1638/1638_Prep_W Uranium only (ICP/MS)	1631E/ Mercury, Low Level (CVAFS)	1630_ME/1630_Dist_PFP Methyl Mercury	1638/FIELD_FLTRD Dissolved Uranium only (ICP/MS) (field f	1631E/FIELD_FLTRD Dissolved Mercury, Low Level (CVAFS) (fi	1630_ME/FIELD_FLTRD Dissolved Methyl Mercury (field filtered	Total Number of containers	Special Instructions/Note:
			Preservation Code:											
MW-3A_20250428 (500-267552-1)	4/28/25	11:00 Eastern	G	Water			X	X	X	X	X	X	8	
MW-3A_20250428_FBLL (500-267552-2)	4/28/25	11:00 Eastern	G	Water				X					2	
ARC-03_20250428 (500-267552-3)	4/28/25	15:40 Eastern	G	Water			X	X	X	X	X	X	8	
ARC-03_20250428_FBLL (500-267552-4)	4/28/25	15:40 Eastern	G	Water				X					2	
PNC-01_20250428 (500-267552-5)	4/28/25	14:30 Eastern	G	Water			X	X	X	X	X	X	8	
PNC-01_20250428_FBLL (500-267552-6)	4/28/25	14:30 Eastern	G	Water				X					2	
ARC-01_20250428 (500-267552-7)	4/28/25	13:45 Eastern	G	Water			X	X	X	X	X	X	8	
ARC-01_20250428_FBLL (500-267552-8)	4/28/25	13:45 Eastern	G	Water				X					2	
MLR-01_20250428 (500-267552-9)	4/28/25	09:50 Eastern	G	Water			X	X	X	X	X	X	8	

Note: Since laboratory accreditations are subject to change, Eurofins Chicago places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Chicago laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Chicago attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Chicago.

Possible Hazard Identification 4468 4405 6207 *Unconfirmed*	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)* ☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* ____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by: Stephanie Hemond	Date/Time: 4/30/25 1600	Company	Received by:	Date/Time: 5/1/25 9:30	Company ET
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 10/10/2024

Eurofins Chicago
18410 Crossing Drive Suite E
Tinley Park, IL 60487
Phone 708-534-5200 Fax: 708-534-5211

Chain of Custody Record

eurofins | Environment Testing

5/23/2025

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Fredrick, Sandie	Carrier Tracking No(s): N/A	COC No: 500-200149 2
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Sandra Fredrick@et eurofinsus com	State of Origin: Michigan	Page: Page 2 of 2
Company: Eurofins Environment Testing Northwest L		Accreditations Required (See note): N/A		Job #: 500-267552-1
Address: 5755 8th Street East, ,	Due Date Requested: 5/20/2025			Preservation Codes: -
City: Tacoma	TAT Requested (days): N/A			
State, Zip: WA, 98424				
Phone: 253-922-2310(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: White Pines, MI	Project #: 50023455			
Site: N/A	SSOW#: N/A			Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	1638/1638_Prep_W Uranium only (ICP/MS)	1631E/ Mercury, Low Level (CVAFS)	1630_ME/1630_Dist_PFP Methyl Mercury	1638/FIELD_FLTRD Dissolved Uranium only (ICP/MS) (field f	1631E/FIELD_FLTRD Dissolved Mercury, Low Level (CVAFS) (fi	1630_ME/FIELD_FLTRD Dissolved Methyl Mercury (field filtered	Total Number of containers	Special Instructions/Note:
			Preservation Code:											
MLR-01_20250428_FBLL (500-267552-10)	4/28/25	09 50 Eastern	G	Water				X					2	
DKC-01_20250428 (500-267552-11)	4/28/25	12 00 Eastern	G	Water			X	X	X	X	X	X	8	
DKC-01_20250428_FBLL (500-267552-12)	4/28/25	12 00 Eastern	G	Water				X					2	

Note: Since laboratory accreditations are subject to change, Eurofins Chicago places the ownership of method analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Chicago laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Chicago attention immediately If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Chicago.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested I, II, III, IV, Other (specify) Primary Deliverable Rank. 2	Special Instructions/QC Requirements

Empty Kit Relinquished by	Date	Time.	Method of Shipment:

Relinquished by: Stephanie Hernandez	Date/Time: 4/30/25 1600	Company	Received by:	Date/Time: 5/1/25 9:30	Company ET
Relinquished by	Date/Time.	Company	Received by	Date/Time:	Company
Relinquished by	Date/Time	Company	Received by	Date/Time.	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks.

Ver: 10/10/2024

Login Sample Receipt Checklist

Client: White Pine Copper LLC

Job Number: 500-267552-1

Login Number: 267552
List Number: 1
Creator: Hernandez, Stephanie

List Source: Eurofins Chicago

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.4,3.1,2.8
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	False	Refer to Job Narrative for details.
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: White Pine Copper LLC

Job Number: 500-267552-1

Login Number: 267552
List Number: 2
Creator: Miller, Darren R

List Source: Eurofins Seattle Specialty Metals
List Creation: 05/01/25 01:30 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: White Pine Copper LLC

Job Number: 500-267552-1

Login Number: 267552
List Number: 3
Creator: Miller, Darren R

List Source: Eurofins Seattle Specialty Metals
List Creation: 05/02/25 01:23 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: White Pine Copper LLC

Job Number: 500-267552-1

Login Number: 267552
List Number: 4
Creator: Miller, Darren R

List Source: Eurofins Seattle Specialty Metals
List Creation: 05/20/25 07:35 AM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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Date:	5/1/2025
End Time:	13:46
KI Paper Lot:	na
Analyst:	
Pipette:	No

Preservative ID	Preservative Type	Container ID
A	Bromine Monochloride (0.2N)	68976
zzzzzzzzzzzzzzz	zzzzzzzzzzzzzzzzzzzzzzz	zzzzzzzzzz
zzzzzzzzzzzzzzz	zzzzzzzzzzzzzzzzzzzzzzz	zzzzzzzzzz
zzzzzzzzzzzzzzz	zzzzzzzzzzzzzzzzzzzzzzz	zzzzzzzzzz

Sample ID	Pres. Used (ID)	Oxidized (Y/N)?	Pres. Vol. (mL)/Percent (%)	Comments
500-267552-D-3	A	Y	5 1	
500-267552-C-1	A	Y	5 2	
500-267552-D-1	A	Y	5 2	
500-267552-C-3	A	Y	5 2	
500-267552-D-5	A	Y	5 2	
500-267552-C-5	A	Y	5 2	
500-267552-C-7	A	Y	5 2	
500-267552-D-7	A	Y	5 2	
500-267552-C-9	A	Y	5 2	
500-267552-D-9	A	Y	5 2	

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Date:	5/1/2025
End Time:	13:54
pH Paper Lot:	hc441704
Analyst:	
Pipette:	NA

Preservative ID	Preservative Type	Container ID
A	Hydrochloric Acid	na
zzzzzzzzzzzzzzzz	zzzzzzzzzzzzzzzzzzzzzz	zzzzzzzzzz
zzzzzzzzzzzzzzzz	zzzzzzzzzzzzzzzzzzzzzz	zzzzzzzzzz
zzzzzzzzzzzzzzzz	zzzzzzzzzzzzzzzzzzzzzz	zzzzzzzzzz

Sample ID	Initial pH	Final pH	Preservative ID	Preservative Added (mL)	Comments
500-267552-F-3	<2				
500-267552-F-5	<2				
500-267552-E-3	<2				
500-267552-E-5	<2				
500-267552-E-9	<2				
500-267552-F-11	<2				
500-267552-E-7	<2				
500-267552-F-7	<2				
500-267552-F-9	<2				
500-267552-E-11	<2				
500-267552-F-11	<2				
500-267552-E-11	<2				

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Date:	5/1/2025
End Time:	13:54
pH Paper Lot:	hc441704
Analyst:	e
Pipette:	us

Preservative ID	Preservative Type	Container ID
A	Nitric Acid	na
zzzzzzzzzzzzzzzz	zzzzzzzzzzzzzzzzzzzzzz	zzzzzzzzzz
zzzzzzzzzzzzzzzz	zzzzzzzzzzzzzzzzzzzzzz	zzzzzzzzzz
zzzzzzzzzzzzzzzz	zzzzzzzzzzzzzzzzzzzzzz	zzzzzzzzzz

Sample ID	Initial pH	Final pH	Preservative ID	Preservative Added (mL)	Comments
500-267552-N-9	<2				
500-267552-M-9	<2				
500-267552-M-5	<2				
500-267552-N-5	<2				
500-267552-N-7	<2				
500-267552-M-1	<2				
500-267552-N-3	<2				
500-267552-M-11	<2				
500-267552-N-11	<2				
500-267552-M-7	<2				
500-267552-N-11	<2				
500-267552-M-3	<2				

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ANALYTICAL REPORT

PREPARED FOR

Attn: Amanda Zeidler
White Pine Copper LLC
35362 Mall Circle Drive
White Pine, Michigan 49971

Generated 6/13/2025 3:45:19 PM

JOB DESCRIPTION

White Pines, MI

JOB NUMBER

500-267619-1

Eurofins Chicago
18410 Crossing Drive
Suite E
Tinley Park IL 60487

See page two for job notes and contact information.

my EOL

Eurofins Chicago

Job Notes

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. This report is confidential and is intended for the sole use of Eurofins Environment Testing North Central, LLC and its client. All questions regarding this report should be directed to the Eurofins Environment Testing North Central, LLC Project Manager who has signed this report.

Results relate only to the items tested and the sample(s) as received by the laboratory. The results, detection limits (LOD) and Quantitation Limits (LOQ) have been adjusted for sample dilutions and/or solids content.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Chicago Project Manager.

Compliance Statement

The LOD and LOQ reported are adjusted by the dilution factor when a dilution factor greater than 1 is needed. Additionally, where results are indicated as being reported on a dry weight basis, the LOD and LOQ are adjusted for moisture content as well.

Definitions of Limits
- LOD = Limit of Detection = MDL as defined by 40 CFR part 136 Appendix B
- LOQ = Limit of Quantitation = 3.33 x LOD as defined by Wisconsin
- RL = Report Limit = a concentration supported by a standard in the calibration curves

Authorization



Generated
6/13/2025 3:45:19 PM

Authorized for release by
Sandie Fredrick, Senior Project Manager
Sandra.Fredrick@et.eurofinsus.com
(920)261-1660

Table of Contents

Cover Page 1
Table of Contents 3
Case Narrative 4
Detection Summary 5
Method Summary 15
Sample Summary 16
Client Sample Results 17
Definitions 45
QC Association 46
QC Sample Results 56
Chronicle 81
Certification Summary 89
Chain of Custody 90
Receipt Checklists 100
Field Data Sheets 102

Job Narrative
500-267619-1

Receipt
The samples were received on 5/1/2025 10:00 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 5 coolers at receipt time were 1.0º C, 1.7º C, 3.3º C, 4.8º C and 5.1º C.

Receipt Exceptions
One or more containers for the following sample(s) was received broken or leaking: Sample #5 total LL Hg one of two vials received broken. Sample #13 MSD One of three DOC vials broken.

One or more containers for the following sample(s) was received empty: Sample #13 total LL Hg vials received empty. Double labeling MS LL Hg and logging method.

The following sample(s) was received outside of holding time: for IC N2.,N3.

Metals
Method 6020B: The method blank for preparation batch 500-816974 and analytical batch 500-817410 contained Boron, Calcium and Sodium above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

Method 6020B: The linear range check ((LRC 500-817408/15)) recovered outside of control limits, biased high, for Barium and Strontium. Sample results within the high calibration standard for the affected analytes have been qualified and reported.

Method 6020B: The method blank for preparation batch 500-816979 and analytical batch 500-817764 contained Calcium above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

Method 1631E: The following sample was diluted due to the prodigious quantity of suspended solids. Elevated reporting limits (RL) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Field Service / Mobile Lab
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

General Chemistry
Methods 300.0, 9056A: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 500-816053 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 300.0: The following samples were received outside of holding time: SBW-01_20250429 (500-267619-1), SBD-01_20250429 (500-267619-3) and MLC-01_20250429 (500-267619-9).

Methods 300.0, 9056A: The following sample(s) was analyzed outside of analytical holding time. SMW-1_20250429 (500-267619-5), MW-31_20250429 (500-267619-7), PTC-01_20250429 (500-267619-11) and DKC-03_20250429 (500-267619-13)

Method 350.1: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 500-818091 and analytical batch 500-818166 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267619-1

Client Sample ID: SBW-01_20250429

Lab Sample ID: 500-267619-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl Mercury	0.028	J B	0.050	0.022	ng/L	1		1630	Total/NA
Mercury	0.87		0.50	0.20	ng/L	1		1631E	Total/NA
Mercury	0.52		0.50	0.20	ng/L	1		1631E	Dissolved
Uranium	0.089		0.050	0.0098	ug/L	1		1638	Total Recoverable
Uranium	0.082		0.050	0.0098	ug/L	1		1638	Dissolved
Aluminum	29	J	100	25	ug/L	1		6020B	Total Recoverable
Arsenic	0.38	J	1.0	0.23	ug/L	1		6020B	Total Recoverable
Barium	37		2.5	0.73	ug/L	1		6020B	Total Recoverable
Boron	51	B	50	13	ug/L	1		6020B	Total Recoverable
Calcium	38000	B	200	44	ug/L	1		6020B	Total Recoverable
Copper	4.9		2.0	0.50	ug/L	1		6020B	Total Recoverable
Iron	160		100	47	ug/L	1		6020B	Total Recoverable
Magnesium	6300		200	49	ug/L	1		6020B	Total Recoverable
Manganese	20		2.5	0.79	ug/L	1		6020B	Total Recoverable
Molybdenum	6.7		5.0	2.5	ug/L	1		6020B	Total Recoverable
Potassium	1900		500	110	ug/L	1		6020B	Total Recoverable
Sodium	3300	B	200	77	ug/L	1		6020B	Total Recoverable
Strontium	79		4.0	0.64	ug/L	1		6020B	Total Recoverable
Arsenic	0.37	J	1.0	0.23	ug/L	1		6020B	Dissolved
Barium	35		2.5	0.73	ug/L	1		6020B	Dissolved
Boron	46	J	50	13	ug/L	1		6020B	Dissolved
Calcium	37000		200	44	ug/L	1		6020B	Dissolved
Copper	3.9		2.0	0.50	ug/L	1		6020B	Dissolved
Magnesium	6100		200	49	ug/L	1		6020B	Dissolved
Manganese	8.0		2.5	0.79	ug/L	1		6020B	Dissolved
Molybdenum	6.7		5.0	2.5	ug/L	1		6020B	Dissolved
Potassium	1800		500	110	ug/L	1		6020B	Dissolved
Sodium	3100		200	77	ug/L	1		6020B	Dissolved
Strontium	75		4.0	0.64	ug/L	1		6020B	Dissolved
Hardness as calcium carbonate	120		0.91	0.46	mg/L	1		SM 2340B	Total Recoverable
Chloride	1.7		1.0	0.42	mg/L	1		300.0	Total/NA
Alkalinity	120		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	120		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	96		10	4.3	mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	4.8	J	5.0	1.9	mg/L	1		SM 2540D	Total/NA
Sulfide	1.7		1.0	0.23	mg/L	1		SM 4500 S2 F	Total/NA
Total Organic Carbon	6.2		1.0	0.47	mg/L	1		SM 5310C	Total/NA
Dissolved Organic Carbon	5.9		1.0	0.47	mg/L	1		SM 5310C	Dissolved

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267619-1

Client Sample ID: SBW-01_20250429_FBLL — Lab Sample ID: 500-267619-2

No Detections.

Client Sample ID: SBD-01_20250429 — Lab Sample ID: 500-267619-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl Mercury	0.027	J B	0.050	0.022	ng/L	1		1630	Total/NA
Mercury	2.2		0.50	0.20	ng/L	1		1631E	Total/NA
Mercury	1.8		0.50	0.20	ng/L	1		1631E	Dissolved
Uranium	0.14		0.050	0.0098	ug/L	1		1638	Total Recoverable
Uranium	0.13		0.050	0.0098	ug/L	1		1638	Dissolved
Aluminum	72	J	100	25	ug/L	1		6020B	Total Recoverable
Arsenic	0.38	J	1.0	0.23	ug/L	1		6020B	Total Recoverable
Barium	22		2.5	0.73	ug/L	1		6020B	Total Recoverable
Boron	33	J	50	13	ug/L	1		6020B	Total Recoverable
Calcium	17000		200	44	ug/L	1		6020B	Total Recoverable
Copper	14		2.0	0.50	ug/L	1		6020B	Total Recoverable
Iron	260		100	47	ug/L	1		6020B	Total Recoverable
Lithium	2.7	J	10	2.5	ug/L	1		6020B	Total Recoverable
Magnesium	3000		200	49	ug/L	1		6020B	Total Recoverable
Manganese	9.3		2.5	0.79	ug/L	1		6020B	Total Recoverable
Molybdenum	5.8		5.0	2.5	ug/L	1		6020B	Total Recoverable
Potassium	1200		500	110	ug/L	1		6020B	Total Recoverable
Sodium	2300		200	77	ug/L	1		6020B	Total Recoverable
Strontium	71		4.0	0.64	ug/L	1		6020B	Total Recoverable
Arsenic	0.36	J	1.0	0.23	ug/L	1		6020B	Dissolved
Barium	22		2.5	0.73	ug/L	1		6020B	Dissolved
Boron	28	J	50	13	ug/L	1		6020B	Dissolved
Calcium	16000		200	44	ug/L	1		6020B	Dissolved
Copper	12		2.0	0.50	ug/L	1		6020B	Dissolved
Iron	150		100	47	ug/L	1		6020B	Dissolved
Magnesium	3000		200	49	ug/L	1		6020B	Dissolved
Manganese	6.8		2.5	0.79	ug/L	1		6020B	Dissolved
Molybdenum	5.6		5.0	2.5	ug/L	1		6020B	Dissolved
Potassium	1100		500	110	ug/L	1		6020B	Dissolved
Sodium	2200		200	77	ug/L	1		6020B	Dissolved
Strontium	69		4.0	0.64	ug/L	1		6020B	Dissolved
Hardness as calcium carbonate	54		0.91	0.46	mg/L	1		SM 2340B	Total Recoverable
Chloride	2.1		1.0	0.42	mg/L	1		300.0	Total/NA
Sulfate	1.5		1.0	0.47	mg/L	1		300.0	Total/NA
Alkalinity	57		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	57		5.0	3.7	mg/L	1		SM 2320B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SBD-01_20250429 (Continued) — Lab Sample ID: 500-267619-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Dissolved Solids	58		10	4.3	mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	10		5.0	1.9	mg/L	1		SM 2540D	Total/NA
Sulfide	1.8		1.0	0.23	mg/L	1		SM 4500 S2 F	Total/NA
Total Organic Carbon	8.2		1.0	0.47	mg/L	1		SM 5310C	Total/NA
Dissolved Organic Carbon	8.0		1.0	0.47	mg/L	1		SM 5310C	Dissolved

Client Sample ID: SBD-01_20250429_FBLL — Lab Sample ID: 500-267619-4

No Detections.

Client Sample ID: SMW-1_20250429 — Lab Sample ID: 500-267619-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl Mercury	0.033	J B	0.050	0.022	ng/L	1		1630	Total/NA
Mercury	3.0		0.50	0.20	ng/L	1		1631E	Total/NA
Mercury	0.24	J	0.50	0.20	ng/L	1		1631E	Dissolved
Uranium	6.6		0.050	0.0098	ug/L	1		1638	Total Recoverable
Uranium	5.2		0.050	0.0098	ug/L	1		1638	Dissolved
Aluminum	6800		100	25	ug/L	1		6020B	Total Recoverable
Arsenic	2.4		1.0	0.23	ug/L	1		6020B	Total Recoverable
Barium	130		2.5	0.73	ug/L	1		6020B	Total Recoverable
Boron	1400		50	13	ug/L	1		6020B	Total Recoverable
Calcium	25000		200	44	ug/L	1		6020B	Total Recoverable
Chromium	11		5.0	1.1	ug/L	1		6020B	Total Recoverable
Cobalt	3.9		1.0	0.40	ug/L	1		6020B	Total Recoverable
Copper	13		2.0	0.50	ug/L	1		6020B	Total Recoverable
Iron	6400		100	47	ug/L	1		6020B	Total Recoverable
Lead	3.4		0.50	0.19	ug/L	1		6020B	Total Recoverable
Lithium	17		10	2.5	ug/L	1		6020B	Total Recoverable
Magnesium	11000		200	49	ug/L	1		6020B	Total Recoverable
Manganese	130		2.5	0.79	ug/L	1		6020B	Total Recoverable
Molybdenum	7.8		5.0	2.5	ug/L	1		6020B	Total Recoverable
Nickel	8.9		2.0	0.63	ug/L	1		6020B	Total Recoverable
Potassium	5200		500	110	ug/L	1		6020B	Total Recoverable
Sodium	57000		200	77	ug/L	1		6020B	Total Recoverable
Strontium	310		4.0	0.64	ug/L	1		6020B	Total Recoverable
Vanadium	14		5.0	2.2	ug/L	1		6020B	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client Sample ID: SMW-1_20250429 (Continued) — Lab Sample ID: 500-267619-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Zinc	25		20	6.9	ug/L	1		6020B	Total Recoverable
Arsenic	1.1		1.0	0.23	ug/L	1		6020B	Dissolved
Barium	66		2.5	0.73	ug/L	1		6020B	Dissolved
Boron	1400		50	13	ug/L	1		6020B	Dissolved
Calcium	18000		200	44	ug/L	1		6020B	Dissolved
Copper	0.51	J	2.0	0.50	ug/L	1		6020B	Dissolved
Lithium	10		10	2.5	ug/L	1		6020B	Dissolved
Magnesium	7800		200	49	ug/L	1		6020B	Dissolved
Manganese	4.4		2.5	0.79	ug/L	1		6020B	Dissolved
Molybdenum	7.8		5.0	2.5	ug/L	1		6020B	Dissolved
Potassium	3300		500	110	ug/L	1		6020B	Dissolved
Sodium	57000		200	77	ug/L	1		6020B	Dissolved
Strontium	280		4.0	0.64	ug/L	1		6020B	Dissolved
Hardness as calcium carbonate	110		0.91	0.46	mg/L	1		SM 2340B	Total Recoverable
Chloride	6.1		1.0	0.42	mg/L	1		300.0	Total/NA
Fluoride	0.83	J	1.0	0.43	mg/L	1		300.0	Total/NA
Sulfate	16		1.0	0.47	mg/L	1		300.0	Total/NA
Phosphorus as P	0.22		0.050	0.024	mg/L	1		365.1	Total/NA
Alkalinity	170		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	170		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	210		10	4.3	mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	170		28	11	mg/L	1		SM 2540D	Total/NA
Sulfide	1.9		1.0	0.23	mg/L	1		SM 4500 S2 F	Total/NA
Total Organic Carbon	0.73	J	1.0	0.47	mg/L	1		SM 5310C	Total/NA
Dissolved Organic Carbon	0.80	J	1.0	0.47	mg/L	1		SM 5310C	Dissolved

Client Sample ID: SMW-1_20250429_FBLL — Lab Sample ID: 500-267619-6

No Detections.

Client Sample ID: MW-31_20250429 — Lab Sample ID: 500-267619-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl Mercury	0.45	B	0.050	0.022	ng/L	1		1630	Total/NA
Methyl Mercury	0.024	J B	0.050	0.022	ng/L	1		1630	Dissolved
Mercury	13		5.0	2.0	ng/L	10		1631E	Total/NA
Mercury	0.62		0.50	0.20	ng/L	1		1631E	Dissolved
Uranium	4.7		0.050	0.0098	ug/L	1		1638	Total Recoverable
Uranium	1.1		0.050	0.0098	ug/L	1		1638	Dissolved
Aluminum	89000		100	25	ug/L	1		6020B	Total Recoverable
Arsenic	27		1.0	0.23	ug/L	1		6020B	Total Recoverable
Barium	1300		2.5	0.73	ug/L	1		6020B	Total Recoverable
Beryllium	5.1		1.0	0.53	ug/L	1		6020B	Total Recoverable
Boron	740		50	13	ug/L	1		6020B	Total Recoverable
Cadmium	0.95		0.50	0.17	ug/L	1		6020B	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-31_20250429 (Continued)

Lab Sample ID: 500-267619-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	120000		200	44	ug/L	1		6020B	Total Recoverable
Chromium	160		5.0	1.1	ug/L	1		6020B	Total Recoverable
Cobalt	79		1.0	0.40	ug/L	1		6020B	Total Recoverable
Copper	330		2.0	0.50	ug/L	1		6020B	Total Recoverable
Iron	95000		100	47	ug/L	1		6020B	Total Recoverable
Lead	57		0.50	0.19	ug/L	1		6020B	Total Recoverable
Lithium	130		10	2.5	ug/L	1		6020B	Total Recoverable
Magnesium	56000		200	49	ug/L	1		6020B	Total Recoverable
Manganese	2600		2.5	0.79	ug/L	1		6020B	Total Recoverable
Molybdenum	4.7	J	5.0	2.5	ug/L	1		6020B	Total Recoverable
Nickel	220		2.0	0.63	ug/L	1		6020B	Total Recoverable
Potassium	20000		500	110	ug/L	1		6020B	Total Recoverable
Selenium	11		2.5	0.98	ug/L	1		6020B	Total Recoverable
Silver	0.56		0.50	0.12	ug/L	1		6020B	Total Recoverable
Sodium	46000		200	77	ug/L	1		6020B	Total Recoverable
Strontium	790		4.0	0.64	ug/L	1		6020B	Total Recoverable
Thallium	0.99	J	2.0	0.57	ug/L	1		6020B	Total Recoverable
Tin	6.0		5.0	1.3	ug/L	1		6020B	Total Recoverable
Vanadium	230		5.0	2.2	ug/L	1		6020B	Total Recoverable
Zinc	370		20	6.9	ug/L	1		6020B	Total Recoverable
Arsenic	1.7		1.0	0.23	ug/L	1		6020B	Dissolved
Barium	110		2.5	0.73	ug/L	1		6020B	Dissolved
Boron	550		50	13	ug/L	1		6020B	Dissolved
Calcium	15000		200	44	ug/L	1		6020B	Dissolved
Lithium	15		10	2.5	ug/L	1		6020B	Dissolved
Magnesium	2800		200	49	ug/L	1		6020B	Dissolved
Manganese	40		2.5	0.79	ug/L	1		6020B	Dissolved
Molybdenum	4.1	J	5.0	2.5	ug/L	1		6020B	Dissolved
Nickel	0.90	J	2.0	0.63	ug/L	1		6020B	Dissolved
Potassium	2000		500	110	ug/L	1		6020B	Dissolved
Sodium	35000		200	77	ug/L	1		6020B	Dissolved
Strontium	240		4.0	0.64	ug/L	1		6020B	Dissolved
Hardness as calcium carbonate	520		0.91	0.46	mg/L	1		SM 2340B	Total Recoverable
Chloride	20		1.0	0.42	mg/L	1		300.0	Total/NA
Fluoride	0.53	J	1.0	0.43	mg/L	1		300.0	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-31_20250429 (Continued) — Lab Sample ID: 500-267619-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sulfate	20		1.0	0.47	mg/L	1		300.0	Total/NA
Phosphorus as P	4.5		0.050	0.024	mg/L	1		365.1	Total/NA
Alkalinity	150		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	150		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	290		10	4.3	mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	2600		830	320	mg/L	1		SM 2540D	Total/NA
Total Organic Carbon	1.2		1.0	0.47	mg/L	1		SM 5310C	Total/NA
Dissolved Organic Carbon	1.0		1.0	0.47	mg/L	1		SM 5310C	Dissolved

Client Sample ID: MW-31_20250429_FBLL — Lab Sample ID: 500-267619-8

No Detections.

Client Sample ID: MLC-01_20250429 — Lab Sample ID: 500-267619-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl Mercury	0.026	J B	0.050	0.022	ng/L	1		1630	Total/NA
Mercury	8.2		0.50	0.20	ng/L	1		1631E	Total/NA
Mercury	5.2		0.50	0.20	ng/L	1		1631E	Dissolved
Uranium	0.23		0.050	0.0098	ug/L	1		1638	Total Recoverable
Uranium	0.17		0.050	0.0098	ug/L	1		1638	Dissolved
Aluminum	1400		100	25	ug/L	1		6020B	Total Recoverable
Arsenic	0.38	J	1.0	0.23	ug/L	1		6020B	Total Recoverable
Barium	67		2.5	0.73	ug/L	1		6020B	Total Recoverable
Boron	40	J	50	13	ug/L	1		6020B	Total Recoverable
Calcium	18000		200	44	ug/L	1		6020B	Total Recoverable
Chromium	1.6	J	5.0	1.1	ug/L	1		6020B	Total Recoverable
Cobalt	0.44	J	1.0	0.40	ug/L	1		6020B	Total Recoverable
Copper	18		2.0	0.50	ug/L	1		6020B	Total Recoverable
Iron	890		100	47	ug/L	1		6020B	Total Recoverable
Lead	0.60		0.50	0.19	ug/L	1		6020B	Total Recoverable
Magnesium	4200		200	49	ug/L	1		6020B	Total Recoverable
Manganese	28		2.5	0.79	ug/L	1		6020B	Total Recoverable
Nickel	1.1	J	2.0	0.63	ug/L	1		6020B	Total Recoverable
Potassium	1500		500	110	ug/L	1		6020B	Total Recoverable
Sodium	4800		200	77	ug/L	1		6020B	Total Recoverable
Strontium	110		4.0	0.64	ug/L	1		6020B	Total Recoverable
Vanadium	2.6	J	5.0	2.2	ug/L	1		6020B	Total Recoverable
Aluminum	330		100	25	ug/L	1		6020B	Dissolved

This Detection Summary does not include radiochemical test results.

Client Sample ID: MLC-01_20250429 (Continued) — Lab Sample ID: 500-267619-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.25	J	1.0	0.23	ug/L	1		6020B	Dissolved
Barium	56		2.5	0.73	ug/L	1		6020B	Dissolved
Boron	35	J	50	13	ug/L	1		6020B	Dissolved
Calcium	18000		200	44	ug/L	1		6020B	Dissolved
Copper	14		2.0	0.50	ug/L	1		6020B	Dissolved
Iron	230		100	47	ug/L	1		6020B	Dissolved
Magnesium	4000		200	49	ug/L	1		6020B	Dissolved
Manganese	16		2.5	0.79	ug/L	1		6020B	Dissolved
Potassium	1300		500	110	ug/L	1		6020B	Dissolved
Sodium	4900		200	77	ug/L	1		6020B	Dissolved
Strontium	110		4.0	0.64	ug/L	1		6020B	Dissolved
Hardness as calcium carbonate	62		0.91	0.46	mg/L	1		SM 2340B	Total Recoverable
Chloride	22		1.0	0.42	mg/L	1		300.0	Total/NA
Sulfate	1.4		1.0	0.47	mg/L	1		300.0	Total/NA
Phosphorus as P	0.055		0.050	0.024	mg/L	1		365.1	Total/NA
Alkalinity	41		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	41		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	120		10	4.3	mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	4.6	J	5.0	1.9	mg/L	1		SM 2540D	Total/NA
Sulfide	2.5		1.0	0.23	mg/L	1		SM 4500 S2 F	Total/NA
Total Organic Carbon	8.6		1.0	0.47	mg/L	1		SM 5310C	Total/NA
Dissolved Organic Carbon	8.5		1.0	0.47	mg/L	1		SM 5310C	Dissolved

Client Sample ID: MLC-01_20250429_FBLL — Lab Sample ID: 500-267619-10

No Detections.

Client Sample ID: PTC-01_20250429 — Lab Sample ID: 500-267619-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	3.0		0.50	0.20	ng/L	1		1631E	Total/NA
Mercury	2.9		0.50	0.20	ng/L	1		1631E	Dissolved
Uranium	0.16		0.050	0.0098	ug/L	1		1638	Total Recoverable
Uranium	0.15		0.050	0.0098	ug/L	1		1638	Dissolved
Aluminum	76	J	100	25	ug/L	1		6020B	Total Recoverable
Arsenic	0.29	J	1.0	0.23	ug/L	1		6020B	Total Recoverable
Barium	50		2.5	0.73	ug/L	1		6020B	Total Recoverable
Boron	41	J	50	13	ug/L	1		6020B	Total Recoverable
Calcium	16000		200	44	ug/L	1		6020B	Total Recoverable
Copper	7.9		2.0	0.50	ug/L	1		6020B	Total Recoverable
Iron	150		100	47	ug/L	1		6020B	Total Recoverable
Lead	5.8		0.50	0.19	ug/L	1		6020B	Total Recoverable
Magnesium	3300		200	49	ug/L	1		6020B	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client Sample ID: PTC-01_20250429 (Continued) — Lab Sample ID: 500-267619-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Manganese	12		2.5	0.79	ug/L	1		6020B	Total Recoverable
Potassium	980		500	110	ug/L	1		6020B	Total Recoverable
Sodium	4200		200	77	ug/L	1		6020B	Total Recoverable
Strontium	91		4.0	0.64	ug/L	1		6020B	Total Recoverable
Aluminum	46	J	100	25	ug/L	1		6020B	Dissolved
Arsenic	0.27	J	1.0	0.23	ug/L	1		6020B	Dissolved
Barium	48		2.5	0.73	ug/L	1		6020B	Dissolved
Boron	42	J	50	13	ug/L	1		6020B	Dissolved
Calcium	15000		200	44	ug/L	1		6020B	Dissolved
Copper	7.3		2.0	0.50	ug/L	1		6020B	Dissolved
Iron	100		100	47	ug/L	1		6020B	Dissolved
Lead	4.2		0.50	0.19	ug/L	1		6020B	Dissolved
Magnesium	3200		200	49	ug/L	1		6020B	Dissolved
Manganese	9.0		2.5	0.79	ug/L	1		6020B	Dissolved
Potassium	970		500	110	ug/L	1		6020B	Dissolved
Sodium	4100		200	77	ug/L	1		6020B	Dissolved
Strontium	89		4.0	0.64	ug/L	1		6020B	Dissolved
Hardness as calcium carbonate	53		0.91	0.46	mg/L	1		SM 2340B	Total Recoverable
Chloride	9.1		1.0	0.42	mg/L	1		300.0	Total/NA
Fluoride	0.61	J	1.0	0.43	mg/L	1		300.0	Total/NA
Sulfate	1.7		1.0	0.47	mg/L	1		300.0	Total/NA
Alkalinity	51		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	51		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	52		10	4.3	mg/L	1		SM 2540C	Total/NA
Sulfide	2.1		1.0	0.23	mg/L	1		SM 4500 S2 F	Total/NA
Total Organic Carbon	7.3		1.0	0.47	mg/L	1		SM 5310C	Total/NA
Dissolved Organic Carbon	7.4		1.0	0.47	mg/L	1		SM 5310C	Dissolved

Client Sample ID: PTC-01_20250429_FBLL — Lab Sample ID: 500-267619-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	0.29	J	0.50	0.20	ng/L	1		1631E	Total/NA

Client Sample ID: DKC-03_20250429 — Lab Sample ID: 500-267619-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl Mercury	0.067		0.050	0.022	ng/L	1		1630	Total/NA
Methyl Mercury	0.049	J	0.050	0.022	ng/L	1		1630	Dissolved
Mercury	8.0		0.50	0.20	ng/L	1		1631E	Total/NA
Mercury	4.6		0.50	0.20	ng/L	1		1631E	Dissolved
Uranium	0.40		0.050	0.0098	ug/L	1		1638	Total Recoverable
Uranium	0.17		0.050	0.0098	ug/L	1		1638	Dissolved
Aluminum	2500	F1 F2	100	25	ug/L	1		6020B	Total Recoverable
Arsenic	0.61	J	1.0	0.23	ug/L	1		6020B	Total Recoverable
Barium	38		2.5	0.73	ug/L	1		6020B	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client Sample ID: DKC-03_20250429 (Continued)

Lab Sample ID: 500-267619-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Boron	18	J	50	13	ug/L	1		6020B	Total Recoverable
Calcium	7800		200	44	ug/L	1		6020B	Total Recoverable
Chromium	3.0	J	5.0	1.1	ug/L	1		6020B	Total Recoverable
Cobalt	1.2		1.0	0.40	ug/L	1		6020B	Total Recoverable
Copper	15		2.0	0.50	ug/L	1		6020B	Total Recoverable
Iron	2300	F1 F2	100	47	ug/L	1		6020B	Total Recoverable
Lead	1.0		0.50	0.19	ug/L	1		6020B	Total Recoverable
Magnesium	2400		200	49	ug/L	1		6020B	Total Recoverable
Manganese	83		2.5	0.79	ug/L	1		6020B	Total Recoverable
Nickel	2.7		2.0	0.63	ug/L	1		6020B	Total Recoverable
Potassium	1300		500	110	ug/L	1		6020B	Total Recoverable
Sodium	1100		200	77	ug/L	1		6020B	Total Recoverable
Strontium	27		4.0	0.64	ug/L	1		6020B	Total Recoverable
Vanadium	6.6		5.0	2.2	ug/L	1		6020B	Total Recoverable
Zinc	8.0	J	20	6.9	ug/L	1		6020B	Total Recoverable
Aluminum	100		100	25	ug/L	1		6020B	Dissolved
Arsenic	0.26	J	1.0	0.23	ug/L	1		6020B	Dissolved
Barium	16	^5+	2.5	0.73	ug/L	1		6020B	Dissolved
Boron	22	J	50	13	ug/L	1		6020B	Dissolved
Calcium	6900	B	200	44	ug/L	1		6020B	Dissolved
Copper	9.4		2.0	0.50	ug/L	1		6020B	Dissolved
Iron	190		100	47	ug/L	1		6020B	Dissolved
Magnesium	1800		200	49	ug/L	1		6020B	Dissolved
Manganese	17		2.5	0.79	ug/L	1		6020B	Dissolved
Potassium	720		500	110	ug/L	1		6020B	Dissolved
Sodium	1000		200	77	ug/L	1		6020B	Dissolved
Strontium	24	^5+	4.0	0.64	ug/L	1		6020B	Dissolved
Hardness as calcium carbonate	29		0.91	0.46	mg/L	1		SM 2340B	Total Recoverable
Chloride	0.51	J	1.0	0.42	mg/L	1		300.0	Total/NA
Sulfate	1.0		1.0	0.47	mg/L	1		300.0	Total/NA
Phosphorus as P	0.049	J	0.050	0.024	mg/L	1		365.1	Total/NA
Alkalinity	24		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	24		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	38		10	4.3	mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	23		5.0	1.9	mg/L	1		SM 2540D	Total/NA
Sulfide	2.1		1.0	0.23	mg/L	1		SM 4500 S2 F	Total/NA
Total Organic Carbon	9.0		1.0	0.47	mg/L	1		SM 5310C	Total/NA
Dissolved Organic Carbon	9.0		1.0	0.47	mg/L	1		SM 5310C	Dissolved

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267619-1

Client Sample ID: DKC-03_20250429_FBLL

Lab Sample ID: 500-267619-14

No Detections.

This Detection Summary does not include radiochemical test results.

Method Summary

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267619-1

Method	Method Description	Protocol	Laboratory
1630	Methyl Mercury	EPA	EET SSM
1631E	Mercury, Low Level (CVAFS)	EPA	EET SSM
1638	Metals (ICP/MS)	EPA	EET SSM
6020B	Metals (ICP/MS)	SW846	EET CHI
SM 2340B	Total Hardness (as CaCO3) by calculation	SM	EET CHI
300.0	Anions, Ion Chromatography	EPA	EET CHI
335.4	Cyanide, Total	EPA	EET CHI
350.1	Nitrogen, Ammonia	EPA	EET CHI
365.1	Phosphorus, Total	EPA	EET CHI
SM 2320B	Alkalinity	SM	EET CHI
SM 2520B	Salinity	SM	EET CHI
SM 2540C	Solids, Total Dissolved (TDS)	SM	EET CHI
SM 2540D	Solids, Total Suspended (TSS)	SM	EET CHI
SM 4500 S2 F	Sulfide, Total	SM	EET CHI
SM 5310C	Organic Carbon, Dissolved (DOC)	SM	EET CHI
SM 5310C	TOC	SM	EET CHI
1630	Distillation, Methyl Mercury	EPA	EET SSM
1638	Preparation, Total Recoverable Metals	EPA	EET SSM
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET CHI
365.2/365.3/365	Phosphorus, Total	EPA	EET CHI
Distill/Ammonia	Distillation, Ammonia	None	EET CHI
Distill/CN	Distillation, Cyanide	None	EET CHI

Protocol References:

EPA = US Environmental Protection Agency

None = None

SM = "Standard Methods For The Examination Of Water And Wastewater"

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET CHI = Eurofins Chicago, 18410 Crossing Drive, Suite E, Tinley Park, IL 60487, TEL (708)534-5200

EET SSM = Eurofins Seattle Specialty Metals, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

Sample Summary

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267619-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-267619-1	SBW-01_20250429	Water	04/29/25 09:50	05/01/25 10:00
500-267619-2	SBW-01_20250429_FBLL	Water	04/29/25 09:50	05/01/25 10:00
500-267619-3	SBD-01_20250429	Water	04/29/25 09:15	05/01/25 10:00
500-267619-4	SBD-01_20250429_FBLL	Water	04/29/25 09:15	05/01/25 10:00
500-267619-5	SMW-1_20250429	Water	04/29/25 16:40	05/01/25 10:00
500-267619-6	SMW-1_20250429_FBLL	Water	04/29/25 16:40	05/01/25 10:00
500-267619-7	MW-31_20250429	Water	04/29/25 13:20	05/01/25 10:00
500-267619-8	MW-31_20250429_FBLL	Water	04/29/25 13:20	05/01/25 10:00
500-267619-9	MLC-01_20250429	Water	04/29/25 09:30	05/01/25 10:00
500-267619-10	MLC-01_20250429_FBLL	Water	04/29/25 09:30	05/01/25 10:00
500-267619-11	PTC-01_20250429	Water	04/29/25 14:30	05/01/25 10:00
500-267619-12	PTC-01_20250429_FBLL	Water	04/29/25 14:30	05/01/25 10:00
500-267619-13	DKC-03_20250429	Water	04/29/25 11:00	05/01/25 10:00
500-267619-14	DKC-03_20250429_FBLL	Water	04/29/25 11:00	05/01/25 10:00

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267619-1

Client Sample ID: SBW-01_20250429

Date Collected: 04/29/25 09:50
Date Received: 05/01/25 10:00

Lab Sample ID: 500-267619-1

Matrix: Water

Method: EPA 1630 - Methyl Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	**0.028**	**J B**	0.050	0.022	ng/L		05/22/25 12:50	05/23/25 17:09	1

Method: EPA 1630 - Methyl Mercury - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		05/22/25 12:50	05/23/25 17:19	1

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.87**		0.50	0.20	ng/L			05/14/25 16:57	1

Method: EPA 1631E - Mercury, Low Level (CVAFS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.52**		0.50	0.20	ng/L			05/14/25 17:39	1

Method: EPA 1638 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.089**		0.050	0.0098	ug/L		05/21/25 13:55	05/22/25 16:02	1

Method: EPA 1638 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.082**		0.050	0.0098	ug/L		05/21/25 13:55	05/22/25 15:39	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**29**	**J**	100	25	ug/L		05/08/25 16:15	05/12/25 16:41	1
Antimony	<1.3		3.0	1.3	ug/L		05/08/25 16:15	05/12/25 16:41	1
Arsenic	**0.38**	**J**	1.0	0.23	ug/L		05/08/25 16:15	05/12/25 16:41	1
Barium	**37**		2.5	0.73	ug/L		05/08/25 16:15	05/12/25 16:41	1
Beryllium	<0.53		1.0	0.53	ug/L		05/08/25 16:15	05/12/25 16:41	1
Boron	**51**	**B**	50	13	ug/L		05/08/25 16:15	05/12/25 16:41	1
Cadmium	<0.17		0.50	0.17	ug/L		05/08/25 16:15	05/12/25 16:41	1
Calcium	**38000**	**B**	200	44	ug/L		05/08/25 16:15	05/12/25 16:41	1
Chromium	<1.1		5.0	1.1	ug/L		05/08/25 16:15	05/12/25 16:41	1
Cobalt	<0.40		1.0	0.40	ug/L		05/08/25 16:15	05/12/25 16:41	1
Copper	**4.9**		2.0	0.50	ug/L		05/08/25 16:15	05/12/25 16:41	1
Iron	**160**		100	47	ug/L		05/08/25 16:15	05/12/25 16:41	1
Lead	<0.19		0.50	0.19	ug/L		05/08/25 16:15	05/12/25 16:41	1
Lithium	<2.5		10	2.5	ug/L		05/08/25 16:15	05/12/25 16:41	1
Magnesium	**6300**		200	49	ug/L		05/08/25 16:15	05/12/25 16:41	1
Manganese	**20**		2.5	0.79	ug/L		05/08/25 16:15	05/12/25 16:41	1
Molybdenum	**6.7**		5.0	2.5	ug/L		05/08/25 16:15	05/12/25 16:41	1
Nickel	<0.63		2.0	0.63	ug/L		05/08/25 16:15	05/12/25 16:41	1
Potassium	**1900**		500	110	ug/L		05/08/25 16:15	05/12/25 16:41	1
Selenium	<0.98		2.5	0.98	ug/L		05/08/25 16:15	05/12/25 16:41	1
Silver	<0.12		0.50	0.12	ug/L		05/08/25 16:15	05/12/25 16:41	1
Sodium	**3300**	**B**	200	77	ug/L		05/08/25 16:15	05/12/25 16:41	1
Strontium	**79**		4.0	0.64	ug/L		05/08/25 16:15	05/12/25 16:41	1
Thallium	<0.57		2.0	0.57	ug/L		05/08/25 16:15	05/12/25 16:41	1
Tin	<1.3		5.0	1.3	ug/L		05/08/25 16:15	05/12/25 16:41	1
Vanadium	<2.2		5.0	2.2	ug/L		05/08/25 16:15	05/12/25 16:41	1
Zinc	<6.9		20	6.9	ug/L		05/08/25 16:15	05/12/25 16:41	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267619-1

Client Sample ID: SBW-01_20250429

Date Collected: 04/29/25 09:50
Date Received: 05/01/25 10:00

Lab Sample ID: 500-267619-1

Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<25		100	25	ug/L		05/08/25 16:22	05/12/25 17:08	1
Antimony	<1.3		3.0	1.3	ug/L		05/08/25 16:22	05/12/25 17:08	1
Arsenic	**0.37**	**J**	1.0	0.23	ug/L		05/08/25 16:22	05/12/25 17:08	1
Barium	**35**		2.5	0.73	ug/L		05/08/25 16:22	05/12/25 17:08	1
Beryllium	<0.53		1.0	0.53	ug/L		05/08/25 16:22	05/12/25 17:08	1
Boron	**46**	**J**	50	13	ug/L		05/08/25 16:22	05/12/25 17:08	1
Cadmium	<0.17		0.50	0.17	ug/L		05/08/25 16:22	05/12/25 17:08	1
Calcium	**37000**		200	44	ug/L		05/08/25 16:22	05/12/25 17:08	1
Chromium	<1.1		5.0	1.1	ug/L		05/08/25 16:22	05/12/25 17:08	1
Cobalt	<0.40		1.0	0.40	ug/L		05/08/25 16:22	05/12/25 17:08	1
Copper	**3.9**		2.0	0.50	ug/L		05/08/25 16:22	05/12/25 17:08	1
Iron	<47		100	47	ug/L		05/08/25 16:22	05/12/25 17:08	1
Lead	<0.19		0.50	0.19	ug/L		05/08/25 16:22	05/12/25 17:08	1
Lithium	<2.5		10	2.5	ug/L		05/08/25 16:22	05/12/25 17:08	1
Magnesium	**6100**		200	49	ug/L		05/08/25 16:22	05/12/25 17:08	1
Manganese	**8.0**		2.5	0.79	ug/L		05/08/25 16:22	05/12/25 17:08	1
Molybdenum	**6.7**		5.0	2.5	ug/L		05/08/25 16:22	05/12/25 17:08	1
Nickel	<0.63		2.0	0.63	ug/L		05/08/25 16:22	05/12/25 17:08	1
Potassium	**1800**		500	110	ug/L		05/08/25 16:22	05/12/25 17:08	1
Selenium	<0.98		2.5	0.98	ug/L		05/08/25 16:22	05/12/25 17:08	1
Silver	<0.12		0.50	0.12	ug/L		05/08/25 16:22	05/12/25 17:08	1
Sodium	**3100**		200	77	ug/L		05/08/25 16:22	05/12/25 17:08	1
Strontium	**75**		4.0	0.64	ug/L		05/08/25 16:22	05/12/25 17:08	1
Thallium	<0.57		2.0	0.57	ug/L		05/08/25 16:22	05/12/25 17:08	1
Tin	<1.3		5.0	1.3	ug/L		05/08/25 16:22	05/12/25 17:08	1
Vanadium	<2.2		5.0	2.2	ug/L		05/08/25 16:22	05/12/25 17:08	1
Zinc	<6.9		20	6.9	ug/L		05/08/25 16:22	05/12/25 17:08	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**120**		0.91	0.46	mg/L		05/08/25 16:15	05/13/25 11:09	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	<0.45		1.0	0.45	mg/L			05/01/25 21:57	1
Nitrate as N (EPA 300.0)	<0.37	H3	1.0	0.37	mg/L			05/01/25 21:57	1
Chloride (EPA 300.0)	**1.7**		1.0	0.42	mg/L			05/01/25 21:57	1
Nitrite as N (EPA 300.0)	<0.25	H3	1.0	0.25	mg/L			05/01/25 21:57	1
Fluoride (EPA 300.0)	<0.43		1.0	0.43	mg/L			05/01/25 21:57	1
Nitrate Nitrite as N (EPA 300.0)	<0.37	H3	1.0	0.37	mg/L			05/01/25 21:57	1
Sulfate (EPA 300.0)	<0.47		1.0	0.47	mg/L			05/01/25 21:57	1
Cyanide, Total (EPA 335.4)	<0.0036		0.0050	0.0036	mg/L		05/08/25 16:20	05/09/25 17:00	1
Ammonia (EPA 350.1)	<0.10		0.20	0.10	mg/L		05/16/25 11:18	05/16/25 15:36	1
Phosphorus as P (EPA 365.1)	<0.024		0.050	0.024	mg/L		05/08/25 09:51	05/09/25 12:12	1
Alkalinity (SM 2320B)	**120**		5.0	3.7	mg/L			05/07/25 01:14	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**120**		5.0	3.7	mg/L			05/07/25 01:14	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<3.7		5.0	3.7	mg/L			05/07/25 01:14	1
Salinity (SM 2520B)	<0.33		0.33	0.33	psu			05/05/25 14:57	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267619-1

Client Sample ID: SBW-01_20250429
Date Collected: 04/29/25 09:50
Date Received: 05/01/25 10:00

Lab Sample ID: 500-267619-1
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	96		10	4.3	mg/L			05/06/25 03:31	1
Total Suspended Solids (SM 2540D)	4.8	J	5.0	1.9	mg/L			05/01/25 12:35	1
Sulfide (SM 4500 S2 F)	1.7		1.0	0.23	mg/L			05/05/25 04:30	1
Total Organic Carbon (SM 5310C)	6.2		1.0	0.47	mg/L			05/06/25 21:58	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon (SM 5310C)	5.9		1.0	0.47	mg/L			05/07/25 08:42	1

Client Sample Results

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267619-1

Client Sample ID: SBW-01_20250429_FBLL

Date Collected: 04/29/25 09:50
Date Received: 05/01/25 10:00

Lab Sample ID: 500-267619-2

Matrix: Water

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			05/14/25 17:01	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267619-1

Client Sample ID: SBD-01_20250429

Date Collected: 04/29/25 09:15
Date Received: 05/01/25 10:00

Lab Sample ID: 500-267619-3

Matrix: Water

Method: EPA 1630 - Methyl Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	**0.027**	**J B**	0.050	0.022	ng/L		05/22/25 12:50	05/23/25 17:29	1

Method: EPA 1630 - Methyl Mercury - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		05/22/25 12:50	05/23/25 17:39	1

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**2.2**		0.50	0.20	ng/L			05/14/25 17:05	1

Method: EPA 1631E - Mercury, Low Level (CVAFS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**1.8**		0.50	0.20	ng/L			05/14/25 17:43	1

Method: EPA 1638 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.14**		0.050	0.0098	ug/L		05/21/25 13:55	05/22/25 16:05	1

Method: EPA 1638 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.13**		0.050	0.0098	ug/L		05/21/25 13:55	05/22/25 15:43	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**72**	**J**	100	25	ug/L		05/08/25 16:22	05/12/25 17:10	1
Antimony	<1.3		3.0	1.3	ug/L		05/08/25 16:22	05/12/25 17:10	1
Arsenic	**0.38**	**J**	1.0	0.23	ug/L		05/08/25 16:22	05/12/25 17:10	1
Barium	**22**		2.5	0.73	ug/L		05/08/25 16:22	05/12/25 17:10	1
Beryllium	<0.53		1.0	0.53	ug/L		05/08/25 16:22	05/12/25 17:10	1
Boron	**33**	**J**	50	13	ug/L		05/08/25 16:22	05/12/25 17:10	1
Cadmium	<0.17		0.50	0.17	ug/L		05/08/25 16:22	05/12/25 17:10	1
Calcium	**17000**		200	44	ug/L		05/08/25 16:22	05/12/25 17:10	1
Chromium	<1.1		5.0	1.1	ug/L		05/08/25 16:22	05/12/25 17:10	1
Cobalt	<0.40		1.0	0.40	ug/L		05/08/25 16:22	05/12/25 17:10	1
Copper	**14**		2.0	0.50	ug/L		05/08/25 16:22	05/12/25 17:10	1
Iron	**260**		100	47	ug/L		05/08/25 16:22	05/12/25 17:10	1
Lead	<0.19		0.50	0.19	ug/L		05/08/25 16:22	05/12/25 17:10	1
Lithium	**2.7**	**J**	10	2.5	ug/L		05/08/25 16:22	05/12/25 17:10	1
Magnesium	**3000**		200	49	ug/L		05/08/25 16:22	05/12/25 17:10	1
Manganese	**9.3**		2.5	0.79	ug/L		05/08/25 16:22	05/12/25 17:10	1
Molybdenum	**5.8**		5.0	2.5	ug/L		05/08/25 16:22	05/12/25 17:10	1
Nickel	<0.63		2.0	0.63	ug/L		05/08/25 16:22	05/12/25 17:10	1
Potassium	**1200**		500	110	ug/L		05/08/25 16:22	05/12/25 17:10	1
Selenium	<0.98		2.5	0.98	ug/L		05/08/25 16:22	05/12/25 17:10	1
Silver	<0.12		0.50	0.12	ug/L		05/08/25 16:22	05/12/25 17:10	1
Sodium	**2300**		200	77	ug/L		05/08/25 16:22	05/12/25 17:10	1
Strontium	**71**		4.0	0.64	ug/L		05/08/25 16:22	05/12/25 17:10	1
Thallium	<0.57		2.0	0.57	ug/L		05/08/25 16:22	05/12/25 17:10	1
Tin	<1.3		5.0	1.3	ug/L		05/08/25 16:22	05/12/25 17:10	1
Vanadium	<2.2		5.0	2.2	ug/L		05/08/25 16:22	05/12/25 17:10	1
Zinc	<6.9		20	6.9	ug/L		05/08/25 16:22	05/12/25 17:10	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267619-1

Client Sample ID: SBD-01_20250429

Date Collected: 04/29/25 09:15
Date Received: 05/01/25 10:00

Lab Sample ID: 500-267619-3

Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<25		100	25	ug/L		05/08/25 16:22	05/12/25 17:12	1
Antimony	<1.3		3.0	1.3	ug/L		05/08/25 16:22	05/12/25 17:12	1
Arsenic	**0.36**	**J**	1.0	0.23	ug/L		05/08/25 16:22	05/12/25 17:12	1
Barium	**22**		2.5	0.73	ug/L		05/08/25 16:22	05/12/25 17:12	1
Beryllium	<0.53		1.0	0.53	ug/L		05/08/25 16:22	05/12/25 17:12	1
Boron	**28**	**J**	50	13	ug/L		05/08/25 16:22	05/12/25 17:12	1
Cadmium	<0.17		0.50	0.17	ug/L		05/08/25 16:22	05/12/25 17:12	1
Calcium	**16000**		200	44	ug/L		05/08/25 16:22	05/12/25 17:12	1
Chromium	<1.1		5.0	1.1	ug/L		05/08/25 16:22	05/12/25 17:12	1
Cobalt	<0.40		1.0	0.40	ug/L		05/08/25 16:22	05/12/25 17:12	1
Copper	**12**		2.0	0.50	ug/L		05/08/25 16:22	05/12/25 17:12	1
Iron	**150**		100	47	ug/L		05/08/25 16:22	05/12/25 17:12	1
Lead	<0.19		0.50	0.19	ug/L		05/08/25 16:22	05/12/25 17:12	1
Lithium	<2.5		10	2.5	ug/L		05/08/25 16:22	05/12/25 17:12	1
Magnesium	**3000**		200	49	ug/L		05/08/25 16:22	05/12/25 17:12	1
Manganese	**6.8**		2.5	0.79	ug/L		05/08/25 16:22	05/12/25 17:12	1
Molybdenum	**5.6**		5.0	2.5	ug/L		05/08/25 16:22	05/12/25 17:12	1
Nickel	<0.63		2.0	0.63	ug/L		05/08/25 16:22	05/12/25 17:12	1
Potassium	**1100**		500	110	ug/L		05/08/25 16:22	05/12/25 17:12	1
Selenium	<0.98		2.5	0.98	ug/L		05/08/25 16:22	05/12/25 17:12	1
Silver	<0.12		0.50	0.12	ug/L		05/08/25 16:22	05/12/25 17:12	1
Sodium	**2200**		200	77	ug/L		05/08/25 16:22	05/12/25 17:12	1
Strontium	**69**		4.0	0.64	ug/L		05/08/25 16:22	05/12/25 17:12	1
Thallium	<0.57		2.0	0.57	ug/L		05/08/25 16:22	05/12/25 17:12	1
Tin	<1.3		5.0	1.3	ug/L		05/08/25 16:22	05/12/25 17:12	1
Vanadium	<2.2		5.0	2.2	ug/L		05/08/25 16:22	05/12/25 17:12	1
Zinc	<6.9		20	6.9	ug/L		05/08/25 16:22	05/12/25 17:12	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**54**		0.91	0.46	mg/L		05/08/25 16:22	05/13/25 11:10	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	<0.45		1.0	0.45	mg/L			05/01/25 22:12	1
Nitrate as N (EPA 300.0)	<0.37	H3	1.0	0.37	mg/L			05/01/25 22:12	1
Chloride (EPA 300.0)	**2.1**		1.0	0.42	mg/L			05/01/25 22:12	1
Nitrite as N (EPA 300.0)	<0.25	H3	1.0	0.25	mg/L			05/01/25 22:12	1
Fluoride (EPA 300.0)	<0.43		1.0	0.43	mg/L			05/01/25 22:12	1
Nitrate Nitrite as N (EPA 300.0)	<0.37	H3	1.0	0.37	mg/L			05/01/25 22:12	1
Sulfate (EPA 300.0)	**1.5**		1.0	0.47	mg/L			05/01/25 22:12	1
Cyanide, Total (EPA 335.4)	<0.0036		0.0050	0.0036	mg/L		05/08/25 16:20	05/09/25 17:00	1
Ammonia (EPA 350.1)	<0.10		0.20	0.10	mg/L		05/17/25 10:19	05/17/25 12:56	1
Phosphorus as P (EPA 365.1)	<0.024		0.050	0.024	mg/L		05/08/25 09:51	05/09/25 12:13	1
Alkalinity (SM 2320B)	**57**		5.0	3.7	mg/L			05/07/25 01:23	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**57**		5.0	3.7	mg/L			05/07/25 01:23	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<3.7		5.0	3.7	mg/L			05/07/25 01:23	1
Salinity (SM 2520B)	<0.33		0.33	0.33	psu			05/05/25 14:57	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267619-1

Client Sample ID: SBD-01_20250429
Date Collected: 04/29/25 09:15
Date Received: 05/01/25 10:00

Lab Sample ID: 500-267619-3
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	58		10	4.3	mg/L			05/06/25 03:34	1
Total Suspended Solids (SM 2540D)	10		5.0	1.9	mg/L			05/01/25 12:40	1
Sulfide (SM 4500 S2 F)	1.8		1.0	0.23	mg/L			05/05/25 04:34	1
Total Organic Carbon (SM 5310C)	8.2		1.0	0.47	mg/L			05/06/25 22:30	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon (SM 5310C)	8.0		1.0	0.47	mg/L			05/07/25 09:15	1

Client Sample Results

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267619-1

Client Sample ID: SBD-01_20250429_FBLL
Date Collected: 04/29/25 09:15
Date Received: 05/01/25 10:00

Lab Sample ID: 500-267619-4
Matrix: Water

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			05/14/25 17:18	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267619-1

Client Sample ID: SMW-1_20250429

Date Collected: 04/29/25 16:40
Date Received: 05/01/25 10:00

Lab Sample ID: 500-267619-5

Matrix: Water

Method: EPA 1630 - Methyl Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	**0.033**	**J B**	0.050	0.022	ng/L		05/22/25 12:50	05/23/25 17:49	1

Method: EPA 1630 - Methyl Mercury - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		05/22/25 12:50	05/23/25 18:00	1

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**3.0**		0.50	0.20	ng/L			05/14/25 17:22	1

Method: EPA 1631E - Mercury, Low Level (CVAFS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.24**	**J**	0.50	0.20	ng/L			05/14/25 17:47	1

Method: EPA 1638 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**6.6**		0.050	0.0098	ug/L		05/21/25 13:55	05/22/25 16:09	1

Method: EPA 1638 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**5.2**		0.050	0.0098	ug/L		05/21/25 13:55	05/22/25 15:47	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**6800**		100	25	ug/L		05/08/25 16:22	05/12/25 17:15	1
Antimony	<1.3		3.0	1.3	ug/L		05/08/25 16:22	05/12/25 17:15	1
Arsenic	**2.4**		1.0	0.23	ug/L		05/08/25 16:22	05/12/25 17:15	1
Barium	**130**		2.5	0.73	ug/L		05/08/25 16:22	05/12/25 17:15	1
Beryllium	<0.53		1.0	0.53	ug/L		05/08/25 16:22	05/12/25 17:15	1
Boron	**1400**		50	13	ug/L		05/08/25 16:22	05/12/25 17:15	1
Cadmium	<0.17		0.50	0.17	ug/L		05/08/25 16:22	05/12/25 17:15	1
Calcium	**25000**		200	44	ug/L		05/08/25 16:22	05/12/25 17:15	1
Chromium	**11**		5.0	1.1	ug/L		05/08/25 16:22	05/12/25 17:15	1
Cobalt	**3.9**		1.0	0.40	ug/L		05/08/25 16:22	05/12/25 17:15	1
Copper	**13**		2.0	0.50	ug/L		05/08/25 16:22	05/12/25 17:15	1
Iron	**6400**		100	47	ug/L		05/08/25 16:22	05/12/25 17:15	1
Lead	**3.4**		0.50	0.19	ug/L		05/08/25 16:22	05/12/25 17:15	1
Lithium	**17**		10	2.5	ug/L		05/08/25 16:22	05/12/25 17:15	1
Magnesium	**11000**		200	49	ug/L		05/08/25 16:22	05/12/25 17:15	1
Manganese	**130**		2.5	0.79	ug/L		05/08/25 16:22	05/12/25 17:15	1
Molybdenum	**7.8**		5.0	2.5	ug/L		05/08/25 16:22	05/12/25 17:15	1
Nickel	**8.9**		2.0	0.63	ug/L		05/08/25 16:22	05/12/25 17:15	1
Potassium	**5200**		500	110	ug/L		05/08/25 16:22	05/12/25 17:15	1
Selenium	<0.98		2.5	0.98	ug/L		05/08/25 16:22	05/12/25 17:15	1
Silver	<0.12		0.50	0.12	ug/L		05/08/25 16:22	05/12/25 17:15	1
Sodium	**57000**		200	77	ug/L		05/08/25 16:22	05/12/25 17:15	1
Strontium	**310**		4.0	0.64	ug/L		05/08/25 16:22	05/12/25 17:15	1
Thallium	<0.57		2.0	0.57	ug/L		05/08/25 16:22	05/12/25 17:15	1
Tin	<1.3		5.0	1.3	ug/L		05/08/25 16:22	05/12/25 17:15	1
Vanadium	**14**		5.0	2.2	ug/L		05/08/25 16:22	05/12/25 17:15	1
Zinc	**25**		20	6.9	ug/L		05/08/25 16:22	05/12/25 17:15	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267619-1

Client Sample ID: SMW-1_20250429

Date Collected: 04/29/25 16:40
Date Received: 05/01/25 10:00

Lab Sample ID: 500-267619-5

Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<25		100	25	ug/L		05/08/25 16:22	05/12/25 17:17	1
Antimony	<1.3		3.0	1.3	ug/L		05/08/25 16:22	05/12/25 17:17	1
Arsenic	**1.1**		1.0	0.23	ug/L		05/08/25 16:22	05/12/25 17:17	1
Barium	**66**		2.5	0.73	ug/L		05/08/25 16:22	05/12/25 17:17	1
Beryllium	<0.53		1.0	0.53	ug/L		05/08/25 16:22	05/12/25 17:17	1
Boron	**1400**		50	13	ug/L		05/08/25 16:22	05/12/25 17:17	1
Cadmium	<0.17		0.50	0.17	ug/L		05/08/25 16:22	05/12/25 17:17	1
Calcium	**18000**		200	44	ug/L		05/08/25 16:22	05/12/25 17:17	1
Chromium	<1.1		5.0	1.1	ug/L		05/08/25 16:22	05/12/25 17:17	1
Cobalt	<0.40		1.0	0.40	ug/L		05/08/25 16:22	05/12/25 17:17	1
Copper	**0.51**	**J**	2.0	0.50	ug/L		05/08/25 16:22	05/12/25 17:17	1
Iron	<47		100	47	ug/L		05/08/25 16:22	05/12/25 17:17	1
Lead	<0.19		0.50	0.19	ug/L		05/08/25 16:22	05/12/25 17:17	1
Lithium	**10**		10	2.5	ug/L		05/08/25 16:22	05/12/25 17:17	1
Magnesium	**7800**		200	49	ug/L		05/08/25 16:22	05/12/25 17:17	1
Manganese	**4.4**		2.5	0.79	ug/L		05/08/25 16:22	05/12/25 17:17	1
Molybdenum	**7.8**		5.0	2.5	ug/L		05/08/25 16:22	05/12/25 17:17	1
Nickel	<0.63		2.0	0.63	ug/L		05/08/25 16:22	05/12/25 17:17	1
Potassium	**3300**		500	110	ug/L		05/08/25 16:22	05/12/25 17:17	1
Selenium	<0.98		2.5	0.98	ug/L		05/08/25 16:22	05/12/25 17:17	1
Silver	<0.12		0.50	0.12	ug/L		05/08/25 16:22	05/12/25 17:17	1
Sodium	**57000**		200	77	ug/L		05/08/25 16:22	05/12/25 17:17	1
Strontium	**280**		4.0	0.64	ug/L		05/08/25 16:22	05/12/25 17:17	1
Thallium	<0.57		2.0	0.57	ug/L		05/08/25 16:22	05/12/25 17:17	1
Tin	<1.3		5.0	1.3	ug/L		05/08/25 16:22	05/12/25 17:17	1
Vanadium	<2.2		5.0	2.2	ug/L		05/08/25 16:22	05/12/25 17:17	1
Zinc	<6.9		20	6.9	ug/L		05/08/25 16:22	05/12/25 17:17	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**110**		0.91	0.46	mg/L		05/08/25 16:22	05/13/25 11:10	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	<0.45		1.0	0.45	mg/L			05/01/25 22:27	1
Nitrate as N (EPA 300.0)	<0.37	H F1	1.0	0.37	mg/L			05/01/25 22:27	1
Chloride (EPA 300.0)	**6.1**		1.0	0.42	mg/L			05/01/25 22:27	1
Nitrite as N (EPA 300.0)	<0.25	H	1.0	0.25	mg/L			05/01/25 22:27	1
Fluoride (EPA 300.0)	**0.83**	**J**	1.0	0.43	mg/L			05/01/25 22:27	1
Nitrate Nitrite as N (EPA 300.0)	<0.37	H F1	1.0	0.37	mg/L			05/01/25 22:27	1
Sulfate (EPA 300.0)	**16**		1.0	0.47	mg/L			05/01/25 22:27	1
Cyanide, Total (EPA 335.4)	<0.0036		0.0050	0.0036	mg/L		05/08/25 16:20	05/09/25 17:02	1
Ammonia (EPA 350.1)	<0.10		0.20	0.10	mg/L		05/17/25 10:19	05/17/25 12:56	1
Phosphorus as P (EPA 365.1)	**0.22**		0.050	0.024	mg/L		05/08/25 09:51	05/09/25 12:14	1
Alkalinity (SM 2320B)	**170**		5.0	3.7	mg/L			05/07/25 01:31	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**170**		5.0	3.7	mg/L			05/07/25 01:31	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<3.7		5.0	3.7	mg/L			05/07/25 01:31	1
Salinity (SM 2520B)	<0.33		0.33	0.33	psu			05/05/25 14:57	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267619-1

Client Sample ID: SMW-1_20250429
Date Collected: 04/29/25 16:40
Date Received: 05/01/25 10:00

Lab Sample ID: 500-267619-5
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	210		10	4.3	mg/L			05/06/25 04:17	1
Total Suspended Solids (SM 2540D)	170		28	11	mg/L			05/01/25 12:46	1
Sulfide (SM 4500 S2 F)	1.9		1.0	0.23	mg/L			05/05/25 04:37	1
Total Organic Carbon (SM 5310C)	0.73	J	1.0	0.47	mg/L			05/06/25 23:02	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon (SM 5310C)	0.80	J	1.0	0.47	mg/L			05/07/25 10:52	1

Client Sample Results

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267619-1

Client Sample ID: SMW-1_20250429_FBLL

Lab Sample ID: 500-267619-6

Date Collected: 04/29/25 16:40
Matrix: Water
Date Received: 05/01/25 10:00

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			05/14/25 17:26	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267619-1

Client Sample ID: MW-31_20250429

Date Collected: 04/29/25 13:20
Date Received: 05/01/25 10:00

Lab Sample ID: 500-267619-7

Matrix: Water

Method: EPA 1630 - Methyl Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	0.45	B	0.050	0.022	ng/L		05/22/25 12:50	05/23/25 18:30	1

Method: EPA 1630 - Methyl Mercury - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	0.024	J B	0.050	0.022	ng/L		05/22/25 12:50	05/23/25 18:40	1

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	13		5.0	2.0	ng/L			05/14/25 17:30	10

Method: EPA 1631E - Mercury, Low Level (CVAFS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.62		0.50	0.20	ng/L			05/14/25 17:51	1

Method: EPA 1638 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	4.7		0.050	0.0098	ug/L		05/21/25 13:55	05/22/25 16:13	1

Method: EPA 1638 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	1.1		0.050	0.0098	ug/L		05/21/25 13:55	05/22/25 15:50	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	89000		100	25	ug/L		05/08/25 16:22	05/12/25 17:20	1
Antimony	<1.3		3.0	1.3	ug/L		05/08/25 16:22	05/12/25 17:20	1
Arsenic	27		1.0	0.23	ug/L		05/08/25 16:22	05/12/25 17:20	1
Barium	1300		2.5	0.73	ug/L		05/08/25 16:22	05/12/25 17:20	1
Beryllium	5.1		1.0	0.53	ug/L		05/08/25 16:22	05/12/25 17:20	1
Boron	740		50	13	ug/L		05/08/25 16:22	05/12/25 17:20	1
Cadmium	0.95		0.50	0.17	ug/L		05/08/25 16:22	05/12/25 17:20	1
Calcium	120000		200	44	ug/L		05/08/25 16:22	05/12/25 17:20	1
Chromium	160		5.0	1.1	ug/L		05/08/25 16:22	05/12/25 17:20	1
Cobalt	79		1.0	0.40	ug/L		05/08/25 16:22	05/12/25 17:20	1
Copper	330		2.0	0.50	ug/L		05/08/25 16:22	05/12/25 17:20	1
Iron	95000		100	47	ug/L		05/08/25 16:22	05/12/25 17:20	1
Lead	57		0.50	0.19	ug/L		05/08/25 16:22	05/12/25 17:20	1
Lithium	130		10	2.5	ug/L		05/08/25 16:22	05/12/25 17:20	1
Magnesium	56000		200	49	ug/L		05/08/25 16:22	05/12/25 17:20	1
Manganese	2600		2.5	0.79	ug/L		05/08/25 16:22	05/12/25 17:20	1
Molybdenum	4.7	J	5.0	2.5	ug/L		05/08/25 16:22	05/12/25 17:20	1
Nickel	220		2.0	0.63	ug/L		05/08/25 16:22	05/12/25 17:20	1
Potassium	20000		500	110	ug/L		05/08/25 16:22	05/12/25 17:20	1
Selenium	11		2.5	0.98	ug/L		05/08/25 16:22	05/12/25 17:20	1
Silver	0.56		0.50	0.12	ug/L		05/08/25 16:22	05/12/25 17:20	1
Sodium	46000		200	77	ug/L		05/08/25 16:22	05/12/25 17:20	1
Strontium	790		4.0	0.64	ug/L		05/08/25 16:22	05/12/25 17:20	1
Thallium	0.99	J	2.0	0.57	ug/L		05/08/25 16:22	05/12/25 17:20	1
Tin	6.0		5.0	1.3	ug/L		05/08/25 16:22	05/12/25 17:20	1
Vanadium	230		5.0	2.2	ug/L		05/08/25 16:22	05/12/25 17:20	1
Zinc	370		20	6.9	ug/L		05/08/25 16:22	05/12/25 17:20	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267619-1

Client Sample ID: MW-31_20250429

Date Collected: 04/29/25 13:20
Date Received: 05/01/25 10:00

Lab Sample ID: 500-267619-7

Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<25		100	25	ug/L		05/08/25 16:22	05/12/25 17:22	1
Antimony	<1.3		3.0	1.3	ug/L		05/08/25 16:22	05/12/25 17:22	1
Arsenic	**1.7**		1.0	0.23	ug/L		05/08/25 16:22	05/12/25 17:22	1
Barium	**110**		2.5	0.73	ug/L		05/08/25 16:22	05/13/25 15:30	1
Beryllium	<0.53		1.0	0.53	ug/L		05/08/25 16:22	05/12/25 17:22	1
Boron	**550**		50	13	ug/L		05/08/25 16:22	05/12/25 17:22	1
Cadmium	<0.17		0.50	0.17	ug/L		05/08/25 16:22	05/12/25 17:22	1
Calcium	**15000**		200	44	ug/L		05/08/25 16:22	05/12/25 17:22	1
Chromium	<1.1		5.0	1.1	ug/L		05/08/25 16:22	05/12/25 17:22	1
Cobalt	<0.40		1.0	0.40	ug/L		05/08/25 16:22	05/12/25 17:22	1
Copper	<0.50		2.0	0.50	ug/L		05/08/25 16:22	05/12/25 17:22	1
Iron	<47		100	47	ug/L		05/08/25 16:22	05/12/25 17:22	1
Lead	<0.19		0.50	0.19	ug/L		05/08/25 16:22	05/12/25 17:22	1
Lithium	**15**		10	2.5	ug/L		05/08/25 16:22	05/12/25 17:22	1
Magnesium	**2800**		200	49	ug/L		05/08/25 16:22	05/12/25 17:22	1
Manganese	**40**		2.5	0.79	ug/L		05/08/25 16:22	05/12/25 17:22	1
Molybdenum	**4.1**	**J**	5.0	2.5	ug/L		05/08/25 16:22	05/12/25 17:22	1
Nickel	**0.90**	**J**	2.0	0.63	ug/L		05/08/25 16:22	05/12/25 17:22	1
Potassium	**2000**		500	110	ug/L		05/08/25 16:22	05/12/25 17:22	1
Selenium	<0.98		2.5	0.98	ug/L		05/08/25 16:22	05/12/25 17:22	1
Silver	<0.12		0.50	0.12	ug/L		05/08/25 16:22	05/12/25 17:22	1
Sodium	**35000**		200	77	ug/L		05/08/25 16:22	05/12/25 17:22	1
Strontium	**240**		4.0	0.64	ug/L		05/08/25 16:22	05/12/25 17:22	1
Thallium	<0.57		2.0	0.57	ug/L		05/08/25 16:22	05/12/25 17:22	1
Tin	<1.3		5.0	1.3	ug/L		05/08/25 16:22	05/12/25 17:22	1
Vanadium	<2.2		5.0	2.2	ug/L		05/08/25 16:22	05/12/25 17:22	1
Zinc	<6.9		20	6.9	ug/L		05/08/25 16:22	05/12/25 17:22	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**520**		0.91	0.46	mg/L		05/08/25 16:22	05/13/25 11:10	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	<0.45		1.0	0.45	mg/L			05/01/25 23:44	1
Nitrate as N (EPA 300.0)	<0.37	H	1.0	0.37	mg/L			05/01/25 23:44	1
Chloride (EPA 300.0)	**20**		1.0	0.42	mg/L			05/01/25 23:44	1
Nitrite as N (EPA 300.0)	<0.25	H	1.0	0.25	mg/L			05/01/25 23:44	1
Fluoride (EPA 300.0)	**0.53**	**J**	1.0	0.43	mg/L			05/01/25 23:44	1
Nitrate Nitrite as N (EPA 300.0)	<0.37	H	1.0	0.37	mg/L			05/01/25 23:44	1
Sulfate (EPA 300.0)	**20**		1.0	0.47	mg/L			05/01/25 23:44	1
Cyanide, Total (EPA 335.4)	<0.0036		0.0050	0.0036	mg/L		05/08/25 16:20	05/09/25 17:04	1
Ammonia (EPA 350.1)	<0.10		0.20	0.10	mg/L		05/17/25 10:19	05/17/25 12:57	1
Phosphorus as P (EPA 365.1)	**4.5**		0.050	0.024	mg/L		05/08/25 09:51	05/09/25 12:17	1
Alkalinity (SM 2320B)	**150**		5.0	3.7	mg/L			05/07/25 01:40	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**150**		5.0	3.7	mg/L			05/07/25 01:40	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<3.7		5.0	3.7	mg/L			05/07/25 01:40	1
Salinity (SM 2520B)	<0.33		0.33	0.33	psu			05/05/25 14:57	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267619-1

Client Sample ID: MW-31_20250429
Date Collected: 04/29/25 13:20
Date Received: 05/01/25 10:00

Lab Sample ID: 500-267619-7
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	290		10	4.3	mg/L			05/06/25 04:19	1
Total Suspended Solids (SM 2540D)	2600		830	320	mg/L			05/01/25 12:51	1
Sulfide (SM 4500 S2 F)	<0.23		1.0	0.23	mg/L			05/05/25 04:41	1
Total Organic Carbon (SM 5310C)	1.2		1.0	0.47	mg/L			05/06/25 23:35	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon (SM 5310C)	1.0		1.0	0.47	mg/L			05/07/25 11:24	1

Client Sample Results

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267619-1

Client Sample ID: MW-31_20250429_FBLL

Date Collected: 04/29/25 13:20
Date Received: 05/01/25 10:00

Lab Sample ID: 500-267619-8

Matrix: Water

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			05/14/25 17:34	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267619-1

Client Sample ID: MLC-01_20250429

Date Collected: 04/29/25 09:30
Date Received: 05/01/25 10:00

Lab Sample ID: 500-267619-9

Matrix: Water

Method: EPA 1630 - Methyl Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	**0.026**	**J B**	0.050	0.022	ng/L		05/22/25 12:50	05/23/25 18:51	1

Method: EPA 1630 - Methyl Mercury - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		05/22/25 12:50	05/23/25 19:01	1

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**8.2**		0.50	0.20	ng/L			05/15/25 12:24	1

Method: EPA 1631E - Mercury, Low Level (CVAFS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**5.2**		0.50	0.20	ng/L			05/15/25 12:28	1

Method: EPA 1638 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.23**		0.050	0.0098	ug/L		05/21/25 13:55	05/22/25 16:24	1

Method: EPA 1638 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.17**		0.050	0.0098	ug/L		05/21/25 13:55	05/22/25 15:54	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**1400**		100	25	ug/L		05/08/25 16:22	05/12/25 17:29	1
Antimony	<1.3		3.0	1.3	ug/L		05/08/25 16:22	05/12/25 17:29	1
Arsenic	**0.38**	**J**	1.0	0.23	ug/L		05/08/25 16:22	05/12/25 17:29	1
Barium	**67**		2.5	0.73	ug/L		05/08/25 16:22	05/12/25 17:29	1
Beryllium	<0.53		1.0	0.53	ug/L		05/08/25 16:22	05/12/25 17:29	1
Boron	**40**	**J**	50	13	ug/L		05/08/25 16:22	05/12/25 17:29	1
Cadmium	<0.17		0.50	0.17	ug/L		05/08/25 16:22	05/12/25 17:29	1
Calcium	**18000**		200	44	ug/L		05/08/25 16:22	05/12/25 17:29	1
Chromium	**1.6**	**J**	5.0	1.1	ug/L		05/08/25 16:22	05/12/25 17:29	1
Cobalt	**0.44**	**J**	1.0	0.40	ug/L		05/08/25 16:22	05/12/25 17:29	1
Copper	**18**		2.0	0.50	ug/L		05/08/25 16:22	05/12/25 17:29	1
Iron	**890**		100	47	ug/L		05/08/25 16:22	05/12/25 17:29	1
Lead	**0.60**		0.50	0.19	ug/L		05/08/25 16:22	05/12/25 17:29	1
Lithium	<2.5		10	2.5	ug/L		05/08/25 16:22	05/12/25 17:29	1
Magnesium	**4200**		200	49	ug/L		05/08/25 16:22	05/12/25 17:29	1
Manganese	**28**		2.5	0.79	ug/L		05/08/25 16:22	05/12/25 17:29	1
Molybdenum	<2.5		5.0	2.5	ug/L		05/08/25 16:22	05/12/25 17:29	1
Nickel	**1.1**	**J**	2.0	0.63	ug/L		05/08/25 16:22	05/12/25 17:29	1
Potassium	**1500**		500	110	ug/L		05/08/25 16:22	05/12/25 17:29	1
Selenium	<0.98		2.5	0.98	ug/L		05/08/25 16:22	05/12/25 17:29	1
Silver	<0.12		0.50	0.12	ug/L		05/08/25 16:22	05/12/25 17:29	1
Sodium	**4800**		200	77	ug/L		05/08/25 16:22	05/12/25 17:29	1
Strontium	**110**		4.0	0.64	ug/L		05/08/25 16:22	05/12/25 17:29	1
Thallium	<0.57		2.0	0.57	ug/L		05/08/25 16:22	05/12/25 17:29	1
Tin	<1.3		5.0	1.3	ug/L		05/08/25 16:22	05/12/25 17:29	1
Vanadium	**2.6**	**J**	5.0	2.2	ug/L		05/08/25 16:22	05/12/25 17:29	1
Zinc	<6.9		20	6.9	ug/L		05/08/25 16:22	05/12/25 17:29	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267619-1

Client Sample ID: MLC-01_20250429

Date Collected: 04/29/25 09:30
Date Received: 05/01/25 10:00

Lab Sample ID: 500-267619-9

Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**330**		100	25	ug/L		05/08/25 16:22	05/12/25 17:32	1
Antimony	<1.3		3.0	1.3	ug/L		05/08/25 16:22	05/12/25 17:32	1
Arsenic	**0.25**	**J**	1.0	0.23	ug/L		05/08/25 16:22	05/12/25 17:32	1
Barium	**56**		2.5	0.73	ug/L		05/08/25 16:22	05/12/25 17:32	1
Beryllium	<0.53		1.0	0.53	ug/L		05/08/25 16:22	05/12/25 17:32	1
Boron	**35**	**J**	50	13	ug/L		05/08/25 16:22	05/12/25 17:32	1
Cadmium	<0.17		0.50	0.17	ug/L		05/08/25 16:22	05/12/25 17:32	1
Calcium	**18000**		200	44	ug/L		05/08/25 16:22	05/12/25 17:32	1
Chromium	<1.1		5.0	1.1	ug/L		05/08/25 16:22	05/12/25 17:32	1
Cobalt	<0.40		1.0	0.40	ug/L		05/08/25 16:22	05/12/25 17:32	1
Copper	**14**		2.0	0.50	ug/L		05/08/25 16:22	05/12/25 17:32	1
Iron	**230**		100	47	ug/L		05/08/25 16:22	05/12/25 17:32	1
Lead	<0.19		0.50	0.19	ug/L		05/08/25 16:22	05/12/25 17:32	1
Lithium	<2.5		10	2.5	ug/L		05/08/25 16:22	05/12/25 17:32	1
Magnesium	**4000**		200	49	ug/L		05/08/25 16:22	05/12/25 17:32	1
Manganese	**16**		2.5	0.79	ug/L		05/08/25 16:22	05/12/25 17:32	1
Molybdenum	<2.5		5.0	2.5	ug/L		05/08/25 16:22	05/12/25 17:32	1
Nickel	<0.63		2.0	0.63	ug/L		05/08/25 16:22	05/12/25 17:32	1
Potassium	**1300**		500	110	ug/L		05/08/25 16:22	05/12/25 17:32	1
Selenium	<0.98		2.5	0.98	ug/L		05/08/25 16:22	05/12/25 17:32	1
Silver	<0.12		0.50	0.12	ug/L		05/08/25 16:22	05/12/25 17:32	1
Sodium	**4900**		200	77	ug/L		05/08/25 16:22	05/12/25 17:32	1
Strontium	**110**		4.0	0.64	ug/L		05/08/25 16:22	05/12/25 17:32	1
Thallium	<0.57		2.0	0.57	ug/L		05/08/25 16:22	05/12/25 17:32	1
Tin	<1.3		5.0	1.3	ug/L		05/08/25 16:22	05/12/25 17:32	1
Vanadium	<2.2		5.0	2.2	ug/L		05/08/25 16:22	05/12/25 17:32	1
Zinc	<6.9		20	6.9	ug/L		05/08/25 16:22	05/12/25 17:32	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**62**		0.91	0.46	mg/L		05/08/25 16:22	05/13/25 11:10	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	<0.45		1.0	0.45	mg/L			05/01/25 23:59	1
Nitrate as N (EPA 300.0)	<0.37	H3	1.0	0.37	mg/L			05/01/25 23:59	1
Chloride (EPA 300.0)	**22**		1.0	0.42	mg/L			05/01/25 23:59	1
Nitrite as N (EPA 300.0)	<0.25	H3	1.0	0.25	mg/L			05/01/25 23:59	1
Fluoride (EPA 300.0)	<0.43		1.0	0.43	mg/L			05/01/25 23:59	1
Nitrate Nitrite as N (EPA 300.0)	<0.37	H3	1.0	0.37	mg/L			05/01/25 23:59	1
Sulfate (EPA 300.0)	**1.4**		1.0	0.47	mg/L			05/01/25 23:59	1
Cyanide, Total (EPA 335.4)	<0.0036		0.0050	0.0036	mg/L		05/08/25 16:20	05/09/25 17:04	1
Ammonia (EPA 350.1)	<0.10		0.20	0.10	mg/L		05/17/25 10:19	05/17/25 12:57	1
Phosphorus as P (EPA 365.1)	**0.055**		0.050	0.024	mg/L		05/08/25 09:51	05/09/25 12:18	1
Alkalinity (SM 2320B)	**41**		5.0	3.7	mg/L			05/07/25 01:50	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**41**		5.0	3.7	mg/L			05/07/25 01:50	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<3.7		5.0	3.7	mg/L			05/07/25 01:50	1
Salinity (SM 2520B)	<0.33		0.33	0.33	psu			05/05/25 14:57	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267619-1

Client Sample ID: MLC-01_20250429
Date Collected: 04/29/25 09:30
Date Received: 05/01/25 10:00

Lab Sample ID: 500-267619-9
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	120		10	4.3	mg/L			05/06/25 04:22	1
Total Suspended Solids (SM 2540D)	4.6	J	5.0	1.9	mg/L			05/01/25 12:57	1
Sulfide (SM 4500 S2 F)	2.5		1.0	0.23	mg/L			05/05/25 04:45	1
Total Organic Carbon (SM 5310C)	8.6		1.0	0.47	mg/L			05/07/25 00:07	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon (SM 5310C)	8.5		1.0	0.47	mg/L			05/07/25 11:56	1

Client Sample Results

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267619-1

Client Sample ID: MLC-01_20250429_FBLL
Date Collected: 04/29/25 09:30
Date Received: 05/01/25 10:00

Lab Sample ID: 500-267619-10
Matrix: Water

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			05/15/25 12:32	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267619-1

Client Sample ID: PTC-01_20250429

Date Collected: 04/29/25 14:30
Date Received: 05/01/25 10:00

Lab Sample ID: 500-267619-11

Matrix: Water

Method: EPA 1630 - Methyl Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		05/22/25 12:50	05/23/25 19:11	1

Method: EPA 1630 - Methyl Mercury - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		05/22/25 12:50	05/23/25 19:21	1

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**3.0**		0.50	0.20	ng/L			05/15/25 12:36	1

Method: EPA 1631E - Mercury, Low Level (CVAFS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**2.9**		0.50	0.20	ng/L			05/15/25 12:40	1

Method: EPA 1638 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.16**		0.050	0.0098	ug/L		05/21/25 13:55	05/22/25 16:28	1

Method: EPA 1638 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.15**		0.050	0.0098	ug/L		05/21/25 13:55	05/22/25 15:58	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**76**	**J**	100	25	ug/L		05/08/25 16:22	05/12/25 17:34	1
Antimony	<1.3		3.0	1.3	ug/L		05/08/25 16:22	05/12/25 17:34	1
Arsenic	**0.29**	**J**	1.0	0.23	ug/L		05/08/25 16:22	05/12/25 17:34	1
Barium	**50**		2.5	0.73	ug/L		05/08/25 16:22	05/12/25 17:34	1
Beryllium	<0.53		1.0	0.53	ug/L		05/08/25 16:22	05/12/25 17:34	1
Boron	**41**	**J**	50	13	ug/L		05/08/25 16:22	05/12/25 17:34	1
Cadmium	<0.17		0.50	0.17	ug/L		05/08/25 16:22	05/12/25 17:34	1
Calcium	**16000**		200	44	ug/L		05/08/25 16:22	05/12/25 17:34	1
Chromium	<1.1		5.0	1.1	ug/L		05/08/25 16:22	05/12/25 17:34	1
Cobalt	<0.40		1.0	0.40	ug/L		05/08/25 16:22	05/12/25 17:34	1
Copper	**7.9**		2.0	0.50	ug/L		05/08/25 16:22	05/12/25 17:34	1
Iron	**150**		100	47	ug/L		05/08/25 16:22	05/12/25 17:34	1
Lead	**5.8**		0.50	0.19	ug/L		05/08/25 16:22	05/12/25 17:34	1
Lithium	<2.5		10	2.5	ug/L		05/08/25 16:22	05/12/25 17:34	1
Magnesium	**3300**		200	49	ug/L		05/08/25 16:22	05/12/25 17:34	1
Manganese	**12**		2.5	0.79	ug/L		05/08/25 16:22	05/12/25 17:34	1
Molybdenum	<2.5		5.0	2.5	ug/L		05/08/25 16:22	05/12/25 17:34	1
Nickel	<0.63		2.0	0.63	ug/L		05/08/25 16:22	05/12/25 17:34	1
Potassium	**980**		500	110	ug/L		05/08/25 16:22	05/12/25 17:34	1
Selenium	<0.98		2.5	0.98	ug/L		05/08/25 16:22	05/12/25 17:34	1
Silver	<0.12		0.50	0.12	ug/L		05/08/25 16:22	05/12/25 17:34	1
Sodium	**4200**		200	77	ug/L		05/08/25 16:22	05/12/25 17:34	1
Strontium	**91**		4.0	0.64	ug/L		05/08/25 16:22	05/12/25 17:34	1
Thallium	<0.57		2.0	0.57	ug/L		05/08/25 16:22	05/12/25 17:34	1
Tin	<1.3		5.0	1.3	ug/L		05/08/25 16:22	05/12/25 17:34	1
Vanadium	<2.2		5.0	2.2	ug/L		05/08/25 16:22	05/12/25 17:34	1
Zinc	<6.9		20	6.9	ug/L		05/08/25 16:22	05/12/25 17:34	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267619-1

Client Sample ID: PTC-01_20250429

Date Collected: 04/29/25 14:30
Date Received: 05/01/25 10:00

Lab Sample ID: 500-267619-11

Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**46**	**J**	100	25	ug/L		05/08/25 16:22	05/12/25 17:37	1
Antimony	<1.3		3.0	1.3	ug/L		05/08/25 16:22	05/12/25 17:37	1
Arsenic	**0.27**	**J**	1.0	0.23	ug/L		05/08/25 16:22	05/12/25 17:37	1
Barium	**48**		2.5	0.73	ug/L		05/08/25 16:22	05/12/25 17:37	1
Beryllium	<0.53		1.0	0.53	ug/L		05/08/25 16:22	05/12/25 17:37	1
Boron	**42**	**J**	50	13	ug/L		05/08/25 16:22	05/12/25 17:37	1
Cadmium	<0.17		0.50	0.17	ug/L		05/08/25 16:22	05/12/25 17:37	1
Calcium	**15000**		200	44	ug/L		05/08/25 16:22	05/12/25 17:37	1
Chromium	<1.1		5.0	1.1	ug/L		05/08/25 16:22	05/12/25 17:37	1
Cobalt	<0.40		1.0	0.40	ug/L		05/08/25 16:22	05/12/25 17:37	1
Copper	**7.3**		2.0	0.50	ug/L		05/08/25 16:22	05/12/25 17:37	1
Iron	**100**		100	47	ug/L		05/08/25 16:22	05/12/25 17:37	1
Lead	**4.2**		0.50	0.19	ug/L		05/08/25 16:22	05/12/25 17:37	1
Lithium	<2.5		10	2.5	ug/L		05/08/25 16:22	05/12/25 17:37	1
Magnesium	**3200**		200	49	ug/L		05/08/25 16:22	05/12/25 17:37	1
Manganese	**9.0**		2.5	0.79	ug/L		05/08/25 16:22	05/12/25 17:37	1
Molybdenum	<2.5		5.0	2.5	ug/L		05/08/25 16:22	05/12/25 17:37	1
Nickel	<0.63		2.0	0.63	ug/L		05/08/25 16:22	05/12/25 17:37	1
Potassium	**970**		500	110	ug/L		05/08/25 16:22	05/12/25 17:37	1
Selenium	<0.98		2.5	0.98	ug/L		05/08/25 16:22	05/12/25 17:37	1
Silver	<0.12		0.50	0.12	ug/L		05/08/25 16:22	05/12/25 17:37	1
Sodium	**4100**		200	77	ug/L		05/08/25 16:22	05/12/25 17:37	1
Strontium	**89**		4.0	0.64	ug/L		05/08/25 16:22	05/12/25 17:37	1
Thallium	<0.57		2.0	0.57	ug/L		05/08/25 16:22	05/12/25 17:37	1
Tin	<1.3		5.0	1.3	ug/L		05/08/25 16:22	05/12/25 17:37	1
Vanadium	<2.2		5.0	2.2	ug/L		05/08/25 16:22	05/12/25 17:37	1
Zinc	<6.9		20	6.9	ug/L		05/08/25 16:22	05/12/25 17:37	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**53**		0.91	0.46	mg/L		05/08/25 16:22	05/13/25 11:10	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	<0.45		1.0	0.45	mg/L			05/02/25 00:45	1
Nitrate as N (EPA 300.0)	<0.37	H	1.0	0.37	mg/L			05/02/25 00:45	1
Chloride (EPA 300.0)	**9.1**		1.0	0.42	mg/L			05/02/25 00:45	1
Nitrite as N (EPA 300.0)	<0.25	H	1.0	0.25	mg/L			05/02/25 00:45	1
Fluoride (EPA 300.0)	**0.61**	**J**	1.0	0.43	mg/L			05/02/25 00:45	1
Nitrate Nitrite as N (EPA 300.0)	<0.37	H	1.0	0.37	mg/L			05/02/25 00:45	1
Sulfate (EPA 300.0)	**1.7**		1.0	0.47	mg/L			05/02/25 00:45	1
Cyanide, Total (EPA 335.4)	<0.0036		0.0050	0.0036	mg/L		05/08/25 16:20	05/09/25 17:05	1
Ammonia (EPA 350.1)	<0.10		0.20	0.10	mg/L		05/17/25 10:19	05/17/25 12:57	1
Phosphorus as P (EPA 365.1)	<0.024		0.050	0.024	mg/L		05/08/25 09:51	05/09/25 12:19	1
Alkalinity (SM 2320B)	**51**		5.0	3.7	mg/L			05/07/25 01:58	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**51**		5.0	3.7	mg/L			05/07/25 01:58	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<3.7		5.0	3.7	mg/L			05/07/25 01:58	1
Salinity (SM 2520B)	<0.33		0.33	0.33	psu			05/05/25 14:57	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267619-1

Client Sample ID: PTC-01_20250429
Date Collected: 04/29/25 14:30
Date Received: 05/01/25 10:00

Lab Sample ID: 500-267619-11
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	52		10	4.3	mg/L			05/06/25 04:24	1
Total Suspended Solids (SM 2540D)	<1.9		5.0	1.9	mg/L			05/01/25 13:02	1
Sulfide (SM 4500 S2 F)	2.1		1.0	0.23	mg/L			05/05/25 04:49	1
Total Organic Carbon (SM 5310C)	7.3		1.0	0.47	mg/L			05/07/25 00:39	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon (SM 5310C)	7.4		1.0	0.47	mg/L			05/07/25 12:28	1

Client Sample Results

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267619-1

Client Sample ID: PTC-01_20250429_FBLL
Date Collected: 04/29/25 14:30
Date Received: 05/01/25 10:00

Lab Sample ID: 500-267619-12
Matrix: Water

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.29	J	0.50	0.20	ng/L			05/15/25 12:45	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267619-1

Client Sample ID: DKC-03_20250429

Date Collected: 04/29/25 11:00
Date Received: 05/01/25 10:00

Lab Sample ID: 500-267619-13

Matrix: Water

Method: EPA 1630 - Methyl Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	0.067		0.050	0.022	ng/L		06/11/25 08:48	06/12/25 15:28	1

Method: EPA 1630 - Methyl Mercury - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	0.049	J	0.050	0.022	ng/L		06/11/25 08:48	06/12/25 15:59	1

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	8.0		0.50	0.20	ng/L			05/20/25 14:08	1

Method: EPA 1631E - Mercury, Low Level (CVAFS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	4.6		0.50	0.20	ng/L			05/20/25 14:12	1

Method: EPA 1638 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	0.40		0.050	0.0098	ug/L		05/21/25 13:55	05/22/25 15:20	1

Method: EPA 1638 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	0.17		0.050	0.0098	ug/L		05/21/25 13:55	05/22/25 15:09	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	2500	F1 F2	100	25	ug/L		05/08/25 16:22	05/12/25 17:39	1
Antimony	<1.3		3.0	1.3	ug/L		05/08/25 16:22	05/12/25 17:39	1
Arsenic	0.61	J	1.0	0.23	ug/L		05/08/25 16:22	05/12/25 17:39	1
Barium	38		2.5	0.73	ug/L		05/08/25 16:22	05/12/25 17:39	1
Beryllium	<0.53		1.0	0.53	ug/L		05/08/25 16:22	05/12/25 17:39	1
Boron	18	J	50	13	ug/L		05/08/25 16:22	05/12/25 17:39	1
Cadmium	<0.17		0.50	0.17	ug/L		05/08/25 16:22	05/12/25 17:39	1
Calcium	7800		200	44	ug/L		05/08/25 16:22	05/12/25 17:39	1
Chromium	3.0	J	5.0	1.1	ug/L		05/08/25 16:22	05/12/25 17:39	1
Cobalt	1.2		1.0	0.40	ug/L		05/08/25 16:22	05/12/25 17:39	1
Copper	15		2.0	0.50	ug/L		05/08/25 16:22	05/12/25 17:39	1
Iron	2300	F1 F2	100	47	ug/L		05/08/25 16:22	05/12/25 17:39	1
Lead	1.0		0.50	0.19	ug/L		05/08/25 16:22	05/12/25 17:39	1
Lithium	<2.5		10	2.5	ug/L		05/08/25 16:22	05/12/25 17:39	1
Magnesium	2400		200	49	ug/L		05/08/25 16:22	05/12/25 17:39	1
Manganese	83		2.5	0.79	ug/L		05/08/25 16:22	05/12/25 17:39	1
Molybdenum	<2.5		5.0	2.5	ug/L		05/08/25 16:22	05/12/25 17:39	1
Nickel	2.7		2.0	0.63	ug/L		05/08/25 16:22	05/12/25 17:39	1
Potassium	1300		500	110	ug/L		05/08/25 16:22	05/12/25 17:39	1
Selenium	<0.98		2.5	0.98	ug/L		05/08/25 16:22	05/12/25 17:39	1
Silver	<0.12		0.50	0.12	ug/L		05/08/25 16:22	05/12/25 17:39	1
Sodium	1100		200	77	ug/L		05/08/25 16:22	05/12/25 17:39	1
Strontium	27		4.0	0.64	ug/L		05/08/25 16:22	05/12/25 17:39	1
Thallium	<0.57		2.0	0.57	ug/L		05/08/25 16:22	05/12/25 17:39	1
Tin	<1.3		5.0	1.3	ug/L		05/08/25 16:22	05/12/25 17:39	1
Vanadium	6.6		5.0	2.2	ug/L		05/08/25 16:22	05/12/25 17:39	1
Zinc	8.0	J	20	6.9	ug/L		05/08/25 16:22	05/12/25 17:39	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267619-1

Client Sample ID: DKC-03_20250429

Date Collected: 04/29/25 11:00
Date Received: 05/01/25 10:00

Lab Sample ID: 500-267619-13

Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**100**		100	25	ug/L		05/08/25 16:26	05/12/25 16:10	1
Antimony	<1.3		3.0	1.3	ug/L		05/08/25 16:26	05/12/25 16:10	1
Arsenic	**0.26**	**J**	1.0	0.23	ug/L		05/08/25 16:26	05/12/25 16:10	1
Barium	**16**	**^5+**	2.5	0.73	ug/L		05/08/25 16:26	05/12/25 16:10	1
Beryllium	<0.53		1.0	0.53	ug/L		05/08/25 16:26	05/12/25 16:10	1
Boron	**22**	**J**	50	13	ug/L		05/08/25 16:26	05/12/25 16:10	1
Cadmium	<0.17		0.50	0.17	ug/L		05/08/25 16:26	05/12/25 16:10	1
Calcium	**6900**	**B**	200	44	ug/L		05/08/25 16:26	05/14/25 14:26	1
Chromium	<1.1		5.0	1.1	ug/L		05/08/25 16:26	05/12/25 16:10	1
Cobalt	<0.40		1.0	0.40	ug/L		05/08/25 16:26	05/12/25 16:10	1
Copper	**9.4**		2.0	0.50	ug/L		05/08/25 16:26	05/13/25 15:49	1
Iron	**190**		100	47	ug/L		05/08/25 16:26	05/12/25 16:10	1
Lead	<0.19		0.50	0.19	ug/L		05/08/25 16:26	05/12/25 16:10	1
Lithium	<2.5		10	2.5	ug/L		05/08/25 16:26	05/12/25 16:10	1
Magnesium	**1800**		200	49	ug/L		05/08/25 16:26	05/12/25 16:10	1
Manganese	**17**		2.5	0.79	ug/L		05/08/25 16:26	05/12/25 16:10	1
Molybdenum	<2.5		5.0	2.5	ug/L		05/08/25 16:26	05/12/25 16:10	1
Nickel	<0.63		2.0	0.63	ug/L		05/08/25 16:26	05/12/25 16:10	1
Potassium	**720**		500	110	ug/L		05/08/25 16:26	05/12/25 16:10	1
Selenium	<0.98		2.5	0.98	ug/L		05/08/25 16:26	05/12/25 16:10	1
Silver	<0.12		0.50	0.12	ug/L		05/08/25 16:26	05/12/25 16:10	1
Sodium	**1000**		200	77	ug/L		05/08/25 16:26	05/12/25 16:10	1
Strontium	**24**	**^5+**	4.0	0.64	ug/L		05/08/25 16:26	05/12/25 16:10	1
Thallium	<0.57		2.0	0.57	ug/L		05/08/25 16:26	05/12/25 16:10	1
Tin	<1.3		5.0	1.3	ug/L		05/08/25 16:26	05/12/25 16:10	1
Vanadium	<2.2		5.0	2.2	ug/L		05/08/25 16:26	05/12/25 16:10	1
Zinc	<6.9		20	6.9	ug/L		05/08/25 16:26	05/12/25 16:10	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**29**		0.91	0.46	mg/L		05/08/25 16:22	05/13/25 11:09	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	<0.45		1.0	0.45	mg/L			05/02/25 01:00	1
Nitrate as N (EPA 300.0)	<0.37	H	1.0	0.37	mg/L			05/02/25 01:00	1
Chloride (EPA 300.0)	**0.51**	**J**	1.0	0.42	mg/L			05/02/25 01:00	1
Nitrite as N (EPA 300.0)	<0.25	H	1.0	0.25	mg/L			05/02/25 01:00	1
Fluoride (EPA 300.0)	<0.43		1.0	0.43	mg/L			05/02/25 01:00	1
Nitrate Nitrite as N (EPA 300.0)	<0.37	H	1.0	0.37	mg/L			05/02/25 01:00	1
Sulfate (EPA 300.0)	**1.0**		1.0	0.47	mg/L			05/02/25 01:00	1
Cyanide, Total (EPA 335.4)	<0.0036		0.0050	0.0036	mg/L		05/08/25 16:20	05/09/25 17:06	1
Ammonia (EPA 350.1)	<0.10	F1 F2	0.20	0.10	mg/L		05/17/25 10:19	05/17/25 12:58	1
Phosphorus as P (EPA 365.1)	**0.049**	**J**	0.050	0.024	mg/L		05/08/25 09:51	05/09/25 12:20	1
Alkalinity (SM 2320B)	**24**		5.0	3.7	mg/L			05/07/25 02:06	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**24**		5.0	3.7	mg/L			05/07/25 02:06	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<3.7		5.0	3.7	mg/L			05/07/25 02:06	1
Salinity (SM 2520B)	<0.33		0.33	0.33	psu			05/05/25 14:57	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267619-1

Client Sample ID: DKC-03_20250429
Date Collected: 04/29/25 11:00
Date Received: 05/01/25 10:00

Lab Sample ID: 500-267619-13
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	38		10	4.3	mg/L			05/06/25 04:27	1
Total Suspended Solids (SM 2540D)	23		5.0	1.9	mg/L			05/01/25 13:13	1
Sulfide (SM 4500 S2 F)	2.1		1.0	0.23	mg/L			05/05/25 04:53	1
Total Organic Carbon (SM 5310C)	9.0		1.0	0.47	mg/L			05/06/25 19:17	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon (SM 5310C)	9.0		1.0	0.47	mg/L			05/07/25 07:06	1

Client Sample Results

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267619-1

Client Sample ID: DKC-03_20250429_FBLL

Lab Sample ID: 500-267619-14

Date Collected: 04/29/25 11:00
Matrix: Water
Date Received: 05/01/25 10:00

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			05/20/25 14:20	1

Qualifiers

Metals

Qualifier	Qualifier Description
^5+	Linear Range Check (LRC) is outside acceptance limits, high biased.
B	Compound was found in the blank and sample.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
F5	Duplicate RPD exceeds limit, and one or both sample results are less than 5 times RL, and the absolute difference between results is < the upper reporting limits for both.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
H	Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.
H3	Sample was received and analyzed past holding time. This does not meet regulatory requirements.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Metals

Analysis Batch: 6819

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-267619-1	SBW-01_20250429	Dissolved	Water	1631E	
500-267619-1	SBW-01_20250429	Total/NA	Water	1631E	
500-267619-2	SBW-01_20250429_FBLL	Total/NA	Water	1631E	
500-267619-3	SBD-01_20250429	Dissolved	Water	1631E	
500-267619-3	SBD-01_20250429	Total/NA	Water	1631E	
500-267619-4	SBD-01_20250429_FBLL	Total/NA	Water	1631E	
500-267619-5	SMW-1_20250429	Dissolved	Water	1631E	
500-267619-5	SMW-1_20250429	Total/NA	Water	1631E	
500-267619-6	SMW-1_20250429_FBLL	Total/NA	Water	1631E	
500-267619-7	MW-31_20250429	Dissolved	Water	1631E	
500-267619-7	MW-31_20250429	Total/NA	Water	1631E	
500-267619-8	MW-31_20250429_FBLL	Total/NA	Water	1631E	
MB 350-6819/13	Method Blank	Total/NA	Water	1631E	
MB 350-6819/14	Method Blank	Total/NA	Water	1631E	
MB 350-6819/15	Method Blank	Total/NA	Water	1631E	
LCS 350-6819/16	Lab Control Sample	Total/NA	Water	1631E	
LCSD 350-6819/17	Lab Control Sample Dup	Total/NA	Water	1631E	

Analysis Batch: 6830

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-267619-9	MLC-01_20250429	Dissolved	Water	1631E	
500-267619-9	MLC-01_20250429	Total/NA	Water	1631E	
500-267619-10	MLC-01_20250429_FBLL	Total/NA	Water	1631E	
500-267619-11	PTC-01_20250429	Dissolved	Water	1631E	
500-267619-11	PTC-01_20250429	Total/NA	Water	1631E	
500-267619-12	PTC-01_20250429_FBLL	Total/NA	Water	1631E	
MB 350-6830/12	Method Blank	Total/NA	Water	1631E	
MB 350-6830/13	Method Blank	Total/NA	Water	1631E	
MB 350-6830/14	Method Blank	Total/NA	Water	1631E	
LCS 350-6830/15	Lab Control Sample	Total/NA	Water	1631E	
LCSD 350-6830/16	Lab Control Sample Dup	Total/NA	Water	1631E	

Analysis Batch: 6929

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-267619-13	DKC-03_20250429	Dissolved	Water	1631E	
500-267619-13	DKC-03_20250429	Total/NA	Water	1631E	
500-267619-14	DKC-03_20250429_FBLL	Total/NA	Water	1631E	
MB 350-6929/17	Method Blank	Total/NA	Water	1631E	
MB 350-6929/18	Method Blank	Total/NA	Water	1631E	
MB 350-6929/19	Method Blank	Total/NA	Water	1631E	
MB 350-6929/20	Method Blank	Total/NA	Water	1631E	
MB 350-6929/23	Method Blank	Total/NA	Water	1631E	
MB 350-6929/24	Method Blank	Total/NA	Water	1631E	
LCS 350-6929/28	Lab Control Sample	Total/NA	Water	1631E	
LCS 350-6929/58	Lab Control Sample	Total/NA	Water	1631E	
LCSD 350-6929/29	Lab Control Sample Dup	Total/NA	Water	1631E	
LCSD 350-6929/59	Lab Control Sample Dup	Total/NA	Water	1631E	
500-267619-13 MS	DKC-03_20250429	Dissolved	Water	1631E	
500-267619-13 MS	DKC-03_20250429	Total/NA	Water	1631E	
500-267619-13 MSD	DKC-03_20250429	Dissolved	Water	1631E	
500-267619-13 MSD	DKC-03_20250429	Total/NA	Water	1631E	

Metals (Continued)

Analysis Batch: 6929 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-267619-14 MS	DKC-03_20250429_FBLL	Total/NA	Water	1631E	
500-267619-14 MSD	DKC-03_20250429_FBLL	Total/NA	Water	1631E	

Prep Batch: 6941

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-267619-1	SBW-01_20250429	Dissolved	Water	1638	
500-267619-1	SBW-01_20250429	Total Recoverable	Water	1638	
500-267619-3	SBD-01_20250429	Dissolved	Water	1638	
500-267619-3	SBD-01_20250429	Total Recoverable	Water	1638	
500-267619-5	SMW-1_20250429	Dissolved	Water	1638	
500-267619-5	SMW-1_20250429	Total Recoverable	Water	1638	
500-267619-7	MW-31_20250429	Dissolved	Water	1638	
500-267619-7	MW-31_20250429	Total Recoverable	Water	1638	
500-267619-9	MLC-01_20250429	Dissolved	Water	1638	
500-267619-9	MLC-01_20250429	Total Recoverable	Water	1638	
500-267619-11	PTC-01_20250429	Dissolved	Water	1638	
500-267619-11	PTC-01_20250429	Total Recoverable	Water	1638	
500-267619-13	DKC-03_20250429	Dissolved	Water	1638	
500-267619-13	DKC-03_20250429	Total Recoverable	Water	1638	
MB 350-6941/1-A	Method Blank	Total Recoverable	Water	1638	
MB 350-6941/2-A	Method Blank	Total Recoverable	Water	1638	
LCS 350-6941/3-A	Lab Control Sample	Total Recoverable	Water	1638	
LCSD 350-6941/4-A	Lab Control Sample Dup	Total Recoverable	Water	1638	
500-267619-13 MS	DKC-03_20250429	Dissolved	Water	1638	
500-267619-13 MS	DKC-03_20250429	Total Recoverable	Water	1638	
500-267619-13 MSD	DKC-03_20250429	Dissolved	Water	1638	
500-267619-13 MSD	DKC-03_20250429	Total Recoverable	Water	1638	

Prep Batch: 6960

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-267619-1	SBW-01_20250429	Dissolved	Water	1630	
500-267619-1	SBW-01_20250429	Total/NA	Water	1630	
500-267619-3	SBD-01_20250429	Dissolved	Water	1630	
500-267619-3	SBD-01_20250429	Total/NA	Water	1630	
500-267619-5	SMW-1_20250429	Dissolved	Water	1630	
500-267619-5	SMW-1_20250429	Total/NA	Water	1630	
500-267619-7	MW-31_20250429	Dissolved	Water	1630	
500-267619-7	MW-31_20250429	Total/NA	Water	1630	
500-267619-9	MLC-01_20250429	Dissolved	Water	1630	
500-267619-9	MLC-01_20250429	Total/NA	Water	1630	
500-267619-11	PTC-01_20250429	Dissolved	Water	1630	
500-267619-11	PTC-01_20250429	Total/NA	Water	1630	
MB 350-6960/1-A	Method Blank	Total/NA	Water	1630	
MB 350-6960/2-A	Method Blank	Total/NA	Water	1630	
MB 350-6960/3-A	Method Blank	Total/NA	Water	1630	
LCS 350-6960/4-A	Lab Control Sample	Total/NA	Water	1630	
LCSD 350-6960/5-A	Lab Control Sample Dup	Total/NA	Water	1630	

Analysis Batch: 6989

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-267619-1	SBW-01_20250429	Dissolved	Water	1638	6941

Metals (Continued)

Analysis Batch: 6989 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-267619-1	SBW-01_20250429	Total Recoverable	Water	1638	6941
500-267619-3	SBD-01_20250429	Dissolved	Water	1638	6941
500-267619-3	SBD-01_20250429	Total Recoverable	Water	1638	6941
500-267619-5	SMW-1_20250429	Dissolved	Water	1638	6941
500-267619-5	SMW-1_20250429	Total Recoverable	Water	1638	6941
500-267619-7	MW-31_20250429	Dissolved	Water	1638	6941
500-267619-7	MW-31_20250429	Total Recoverable	Water	1638	6941
500-267619-9	MLC-01_20250429	Dissolved	Water	1638	6941
500-267619-9	MLC-01_20250429	Total Recoverable	Water	1638	6941
500-267619-11	PTC-01_20250429	Dissolved	Water	1638	6941
500-267619-11	PTC-01_20250429	Total Recoverable	Water	1638	6941
500-267619-13	DKC-03_20250429	Dissolved	Water	1638	6941
500-267619-13	DKC-03_20250429	Total Recoverable	Water	1638	6941
MB 350-6941/1-A	Method Blank	Total Recoverable	Water	1638	6941
MB 350-6941/2-A	Method Blank	Total Recoverable	Water	1638	6941
LCS 350-6941/3-A	Lab Control Sample	Total Recoverable	Water	1638	6941
LCSD 350-6941/4-A	Lab Control Sample Dup	Total Recoverable	Water	1638	6941
500-267619-13 MS	DKC-03_20250429	Dissolved	Water	1638	6941
500-267619-13 MS	DKC-03_20250429	Total Recoverable	Water	1638	6941
500-267619-13 MSD	DKC-03_20250429	Dissolved	Water	1638	6941
500-267619-13 MSD	DKC-03_20250429	Total Recoverable	Water	1638	6941

Analysis Batch: 7043

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-267619-1	SBW-01_20250429	Dissolved	Water	1630	6960
500-267619-1	SBW-01_20250429	Total/NA	Water	1630	6960
500-267619-3	SBD-01_20250429	Dissolved	Water	1630	6960
500-267619-3	SBD-01_20250429	Total/NA	Water	1630	6960
500-267619-5	SMW-1_20250429	Dissolved	Water	1630	6960
500-267619-5	SMW-1_20250429	Total/NA	Water	1630	6960
500-267619-7	MW-31_20250429	Dissolved	Water	1630	6960
500-267619-7	MW-31_20250429	Total/NA	Water	1630	6960
500-267619-9	MLC-01_20250429	Dissolved	Water	1630	6960
500-267619-9	MLC-01_20250429	Total/NA	Water	1630	6960
500-267619-11	PTC-01_20250429	Dissolved	Water	1630	6960
500-267619-11	PTC-01_20250429	Total/NA	Water	1630	6960
MB 350-6960/1-A	Method Blank	Total/NA	Water	1630	6960
MB 350-6960/2-A	Method Blank	Total/NA	Water	1630	6960
MB 350-6960/3-A	Method Blank	Total/NA	Water	1630	6960
LCS 350-6960/4-A	Lab Control Sample	Total/NA	Water	1630	6960
LCSD 350-6960/5-A	Lab Control Sample Dup	Total/NA	Water	1630	6960

Prep Batch: 7302

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-267619-13	DKC-03_20250429	Dissolved	Water	1630	
500-267619-13	DKC-03_20250429	Total/NA	Water	1630	
MB 350-7302/1-A	Method Blank	Total/NA	Water	1630	
MB 350-7302/2-A	Method Blank	Total/NA	Water	1630	
MB 350-7302/3-A	Method Blank	Total/NA	Water	1630	
LCS 350-7302/4-A	Lab Control Sample	Total/NA	Water	1630	
LCSD 350-7302/5-A	Lab Control Sample Dup	Total/NA	Water	1630	

Metals (Continued)

Prep Batch: 7302 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-267619-13 MS	DKC-03_20250429	Dissolved	Water	1630	
500-267619-13 MS	DKC-03_20250429	Total/NA	Water	1630	
500-267619-13 MSD	DKC-03_20250429	Dissolved	Water	1630	
500-267619-13 MSD	DKC-03_20250429	Total/NA	Water	1630	

Analysis Batch: 7378

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-267619-13	DKC-03_20250429	Dissolved	Water	1630	7302
500-267619-13	DKC-03_20250429	Total/NA	Water	1630	7302
MB 350-7302/1-A	Method Blank	Total/NA	Water	1630	7302
MB 350-7302/2-A	Method Blank	Total/NA	Water	1630	7302
MB 350-7302/3-A	Method Blank	Total/NA	Water	1630	7302
LCS 350-7302/4-A	Lab Control Sample	Total/NA	Water	1630	7302
LCSD 350-7302/5-A	Lab Control Sample Dup	Total/NA	Water	1630	7302
500-267619-13 MS	DKC-03_20250429	Dissolved	Water	1630	7302
500-267619-13 MS	DKC-03_20250429	Total/NA	Water	1630	7302
500-267619-13 MSD	DKC-03_20250429	Dissolved	Water	1630	7302
500-267619-13 MSD	DKC-03_20250429	Total/NA	Water	1630	7302

Prep Batch: 816974

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-267619-1	SBW-01_20250429	Total Recoverable	Water	3005A	
MB 500-816974/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 500-816974/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Prep Batch: 816978

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-267619-1	SBW-01_20250429	Dissolved	Water	3005A	
500-267619-3	SBD-01_20250429	Dissolved	Water	3005A	
500-267619-3	SBD-01_20250429	Total Recoverable	Water	3005A	
500-267619-5	SMW-1_20250429	Dissolved	Water	3005A	
500-267619-5	SMW-1_20250429	Total Recoverable	Water	3005A	
500-267619-7	MW-31_20250429	Dissolved	Water	3005A	
500-267619-7	MW-31_20250429	Total Recoverable	Water	3005A	
500-267619-9	MLC-01_20250429	Dissolved	Water	3005A	
500-267619-9	MLC-01_20250429	Total Recoverable	Water	3005A	
500-267619-11	PTC-01_20250429	Dissolved	Water	3005A	
500-267619-11	PTC-01_20250429	Total Recoverable	Water	3005A	
500-267619-13	DKC-03_20250429	Total Recoverable	Water	3005A	
MB 500-816978/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 500-816978/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
500-267619-13 MS	DKC-03_20250429	Total Recoverable	Water	3005A	
500-267619-13 MSD	DKC-03_20250429	Total Recoverable	Water	3005A	
500-267619-13 DU	DKC-03_20250429	Total Recoverable	Water	3005A	

Prep Batch: 816979

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-267619-13	DKC-03_20250429	Dissolved	Water	3005A	
MB 500-816979/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 500-816979/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
500-267619-13 MS	DKC-03_20250429	Dissolved	Water	3005A	

Metals (Continued)

Prep Batch: 816979 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-267619-13 MSD	DKC-03_20250429	Dissolved	Water	3005A	
500-267619-13 DU	DKC-03_20250429	Dissolved	Water	3005A	

Analysis Batch: 817408

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-267619-13	DKC-03_20250429	Dissolved	Water	6020B	816979
MB 500-816979/1-A	Method Blank	Total Recoverable	Water	6020B	816979
LCS 500-816979/2-A	Lab Control Sample	Total Recoverable	Water	6020B	816979
500-267619-13 MS	DKC-03_20250429	Dissolved	Water	6020B	816979
500-267619-13 MSD	DKC-03_20250429	Dissolved	Water	6020B	816979
500-267619-13 DU	DKC-03_20250429	Dissolved	Water	6020B	816979

Analysis Batch: 817410

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-267619-1	SBW-01_20250429	Dissolved	Water	6020B	816978
500-267619-1	SBW-01_20250429	Total Recoverable	Water	6020B	816974
500-267619-3	SBD-01_20250429	Dissolved	Water	6020B	816978
500-267619-3	SBD-01_20250429	Total Recoverable	Water	6020B	816978
500-267619-5	SMW-1_20250429	Dissolved	Water	6020B	816978
500-267619-5	SMW-1_20250429	Total Recoverable	Water	6020B	816978
500-267619-7	MW-31_20250429	Dissolved	Water	6020B	816978
500-267619-7	MW-31_20250429	Total Recoverable	Water	6020B	816978
500-267619-9	MLC-01_20250429	Dissolved	Water	6020B	816978
500-267619-9	MLC-01_20250429	Total Recoverable	Water	6020B	816978
500-267619-11	PTC-01_20250429	Dissolved	Water	6020B	816978
500-267619-11	PTC-01_20250429	Total Recoverable	Water	6020B	816978
500-267619-13	DKC-03_20250429	Total Recoverable	Water	6020B	816978
MB 500-816974/1-A	Method Blank	Total Recoverable	Water	6020B	816974
MB 500-816978/1-A	Method Blank	Total Recoverable	Water	6020B	816978
LCS 500-816974/2-A	Lab Control Sample	Total Recoverable	Water	6020B	816974
LCS 500-816978/2-A	Lab Control Sample	Total Recoverable	Water	6020B	816978
500-267619-13 MS	DKC-03_20250429	Total Recoverable	Water	6020B	816978
500-267619-13 MSD	DKC-03_20250429	Total Recoverable	Water	6020B	816978
500-267619-13 DU	DKC-03_20250429	Total Recoverable	Water	6020B	816978

Analysis Batch: 817452

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-267619-1	SBW-01_20250429	Total Recoverable	Water	SM 2340B	816974
500-267619-3	SBD-01_20250429	Total Recoverable	Water	SM 2340B	816978
500-267619-5	SMW-1_20250429	Total Recoverable	Water	SM 2340B	816978
500-267619-7	MW-31_20250429	Total Recoverable	Water	SM 2340B	816978
500-267619-9	MLC-01_20250429	Total Recoverable	Water	SM 2340B	816978
500-267619-11	PTC-01_20250429	Total Recoverable	Water	SM 2340B	816978
500-267619-13	DKC-03_20250429	Total Recoverable	Water	SM 2340B	816978
500-267619-13 MS	DKC-03_20250429	Total Recoverable	Water	SM 2340B	816978
500-267619-13 MSD	DKC-03_20250429	Total Recoverable	Water	SM 2340B	816978
500-267619-13 DU	DKC-03_20250429	Total Recoverable	Water	SM 2340B	816978

Analysis Batch: 817596

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-267619-7	MW-31_20250429	Dissolved	Water	6020B	816978

Metals (Continued)

Analysis Batch: 817596 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-267619-13	DKC-03_20250429	Dissolved	Water	6020B	816979
MB 500-816979/1-A	Method Blank	Total Recoverable	Water	6020B	816979
LCS 500-816979/2-A	Lab Control Sample	Total Recoverable	Water	6020B	816979
500-267619-13 MS	DKC-03_20250429	Dissolved	Water	6020B	816979
500-267619-13 MSD	DKC-03_20250429	Dissolved	Water	6020B	816979
500-267619-13 DU	DKC-03_20250429	Dissolved	Water	6020B	816979

Analysis Batch: 817764

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-267619-13	DKC-03_20250429	Dissolved	Water	6020B	816979
MB 500-816979/1-A	Method Blank	Total Recoverable	Water	6020B	816979
LCS 500-816979/2-A	Lab Control Sample	Total Recoverable	Water	6020B	816979
500-267619-13 MS	DKC-03_20250429	Dissolved	Water	6020B	816979
500-267619-13 MSD	DKC-03_20250429	Dissolved	Water	6020B	816979
500-267619-13 DU	DKC-03_20250429	Dissolved	Water	6020B	816979

General Chemistry

Analysis Batch: 815996

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-267619-1	SBW-01_20250429	Total/NA	Water	SM 2540D	
500-267619-3	SBD-01_20250429	Total/NA	Water	SM 2540D	
500-267619-5	SMW-1_20250429	Total/NA	Water	SM 2540D	
500-267619-7	MW-31_20250429	Total/NA	Water	SM 2540D	
500-267619-9	MLC-01_20250429	Total/NA	Water	SM 2540D	
500-267619-11	PTC-01_20250429	Total/NA	Water	SM 2540D	
500-267619-13	DKC-03_20250429	Total/NA	Water	SM 2540D	
MB 500-815996/1	Method Blank	Total/NA	Water	SM 2540D	
LCS 500-815996/2	Lab Control Sample	Total/NA	Water	SM 2540D	
500-267619-13 MS	DKC-03_20250429	Total/NA	Water	SM 2540D	
500-267619-13 MSD	DKC-03_20250429	Total/NA	Water	SM 2540D	
500-267619-11 DU	PTC-01_20250429	Total/NA	Water	SM 2540D	

Analysis Batch: 816052

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-267619-1	SBW-01_20250429	Total/NA	Water	300.0	
500-267619-3	SBD-01_20250429	Total/NA	Water	300.0	
500-267619-5	SMW-1_20250429	Total/NA	Water	300.0	
500-267619-7	MW-31_20250429	Total/NA	Water	300.0	
500-267619-9	MLC-01_20250429	Total/NA	Water	300.0	
500-267619-11	PTC-01_20250429	Total/NA	Water	300.0	
500-267619-13	DKC-03_20250429	Total/NA	Water	300.0	
MB 500-816052/3	Method Blank	Total/NA	Water	300.0	
MB 500-816052/33	Method Blank	Total/NA	Water	300.0	
LCS 500-816052/34	Lab Control Sample	Total/NA	Water	300.0	
LCS 500-816052/4	Lab Control Sample	Total/NA	Water	300.0	
500-267619-5 MS	SMW-1_20250429	Total/NA	Water	300.0	
500-267619-5 MSD	SMW-1_20250429	Total/NA	Water	300.0	
500-267619-13 MS	DKC-03_20250429	Total/NA	Water	300.0	
500-267619-13 MSD	DKC-03_20250429	Total/NA	Water	300.0	

General Chemistry

Analysis Batch: 816053

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-267619-1	SBW-01_20250429	Total/NA	Water	300.0	
500-267619-3	SBD-01_20250429	Total/NA	Water	300.0	
500-267619-5	SMW-1_20250429	Total/NA	Water	300.0	
500-267619-7	MW-31_20250429	Total/NA	Water	300.0	
500-267619-9	MLC-01_20250429	Total/NA	Water	300.0	
500-267619-11	PTC-01_20250429	Total/NA	Water	300.0	
500-267619-13	DKC-03_20250429	Total/NA	Water	300.0	
MB 500-816053/3	Method Blank	Total/NA	Water	300.0	
MB 500-816053/33	Method Blank	Total/NA	Water	300.0	
LCS 500-816053/34	Lab Control Sample	Total/NA	Water	300.0	
LCS 500-816053/4	Lab Control Sample	Total/NA	Water	300.0	
500-267619-5 MS	SMW-1_20250429	Total/NA	Water	300.0	
500-267619-5 MSD	SMW-1_20250429	Total/NA	Water	300.0	
500-267619-13 MS	DKC-03_20250429	Total/NA	Water	300.0	
500-267619-13 MSD	DKC-03_20250429	Total/NA	Water	300.0	

Analysis Batch: 816290

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-267619-1	SBW-01_20250429	Total/NA	Water	SM 4500 S2 F	
500-267619-3	SBD-01_20250429	Total/NA	Water	SM 4500 S2 F	
500-267619-5	SMW-1_20250429	Total/NA	Water	SM 4500 S2 F	
500-267619-7	MW-31_20250429	Total/NA	Water	SM 4500 S2 F	
500-267619-9	MLC-01_20250429	Total/NA	Water	SM 4500 S2 F	
500-267619-11	PTC-01_20250429	Total/NA	Water	SM 4500 S2 F	
500-267619-13	DKC-03_20250429	Total/NA	Water	SM 4500 S2 F	
MB 500-816290/1	Method Blank	Total/NA	Water	SM 4500 S2 F	
LCS 500-816290/2	Lab Control Sample	Total/NA	Water	SM 4500 S2 F	
500-267619-13 MS	DKC-03_20250429	Total/NA	Water	SM 4500 S2 F	
500-267619-13 MSD	DKC-03_20250429	Total/NA	Water	SM 4500 S2 F	

Analysis Batch: 816410

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-267619-1	SBW-01_20250429	Total/NA	Water	SM 2520B	
500-267619-3	SBD-01_20250429	Total/NA	Water	SM 2520B	
500-267619-5	SMW-1_20250429	Total/NA	Water	SM 2520B	
500-267619-7	MW-31_20250429	Total/NA	Water	SM 2520B	
500-267619-9	MLC-01_20250429	Total/NA	Water	SM 2520B	
500-267619-11	PTC-01_20250429	Total/NA	Water	SM 2520B	
500-267619-13	DKC-03_20250429	Total/NA	Water	SM 2520B	

Analysis Batch: 816479

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-267619-1	SBW-01_20250429	Total/NA	Water	SM 2540C	
500-267619-3	SBD-01_20250429	Total/NA	Water	SM 2540C	
MB 500-816479/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-816479/2	Lab Control Sample	Total/NA	Water	SM 2540C	

Analysis Batch: 816486

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-267619-5	SMW-1_20250429	Total/NA	Water	SM 2540C	
500-267619-7	MW-31_20250429	Total/NA	Water	SM 2540C	

General Chemistry (Continued)

Analysis Batch: 816486 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-267619-9	MLC-01_20250429	Total/NA	Water	SM 2540C	
500-267619-11	PTC-01_20250429	Total/NA	Water	SM 2540C	
500-267619-13	DKC-03_20250429	Total/NA	Water	SM 2540C	
MB 500-816486/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-816486/2	Lab Control Sample	Total/NA	Water	SM 2540C	
500-267619-13 MS	DKC-03_20250429	Total/NA	Water	SM 2540C	
500-267619-13 MSD	DKC-03_20250429	Total/NA	Water	SM 2540C	

Analysis Batch: 816685

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-267619-1	SBW-01_20250429	Total/NA	Water	SM 2320B	
500-267619-3	SBD-01_20250429	Total/NA	Water	SM 2320B	
500-267619-5	SMW-1_20250429	Total/NA	Water	SM 2320B	
500-267619-7	MW-31_20250429	Total/NA	Water	SM 2320B	
500-267619-9	MLC-01_20250429	Total/NA	Water	SM 2320B	
500-267619-11	PTC-01_20250429	Total/NA	Water	SM 2320B	
500-267619-13	DKC-03_20250429	Total/NA	Water	SM 2320B	
MB 500-816685/53	Method Blank	Total/NA	Water	SM 2320B	
LCS 500-816685/54	Lab Control Sample	Total/NA	Water	SM 2320B	

Analysis Batch: 816774

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-267619-1	SBW-01_20250429	Total/NA	Water	SM 5310C	
500-267619-3	SBD-01_20250429	Total/NA	Water	SM 5310C	
500-267619-5	SMW-1_20250429	Total/NA	Water	SM 5310C	
500-267619-7	MW-31_20250429	Total/NA	Water	SM 5310C	
500-267619-9	MLC-01_20250429	Total/NA	Water	SM 5310C	
500-267619-11	PTC-01_20250429	Total/NA	Water	SM 5310C	
500-267619-13	DKC-03_20250429	Total/NA	Water	SM 5310C	
MB 500-816774/7	Method Blank	Total/NA	Water	SM 5310C	
LCS 500-816774/8	Lab Control Sample	Total/NA	Water	SM 5310C	
500-267619-13 MS	DKC-03_20250429	Total/NA	Water	SM 5310C	
500-267619-13 MSD	DKC-03_20250429	Total/NA	Water	SM 5310C	

Analysis Batch: 816857

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-267619-1	SBW-01_20250429	Dissolved	Water	SM 5310C	
500-267619-3	SBD-01_20250429	Dissolved	Water	SM 5310C	
500-267619-5	SMW-1_20250429	Dissolved	Water	SM 5310C	
500-267619-7	MW-31_20250429	Dissolved	Water	SM 5310C	
500-267619-9	MLC-01_20250429	Dissolved	Water	SM 5310C	
500-267619-11	PTC-01_20250429	Dissolved	Water	SM 5310C	
500-267619-13	DKC-03_20250429	Dissolved	Water	SM 5310C	
MB 500-816857/30	Method Blank	Dissolved	Water	SM 5310C	
LCS 500-816857/31	Lab Control Sample	Dissolved	Water	SM 5310C	
500-267619-13 MS	DKC-03_20250429	Dissolved	Water	SM 5310C	
500-267619-13 MSD	DKC-03_20250429	Dissolved	Water	SM 5310C	

Prep Batch: 816881

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-267619-1	SBW-01_20250429	Total/NA	Water	365.2/365.3/365	

General Chemistry (Continued)

Prep Batch: 816881 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-267619-3	SBD-01_20250429	Total/NA	Water	365.2/365.3/365	
500-267619-5	SMW-1_20250429	Total/NA	Water	365.2/365.3/365	
500-267619-7	MW-31_20250429	Total/NA	Water	365.2/365.3/365	
500-267619-9	MLC-01_20250429	Total/NA	Water	365.2/365.3/365	
500-267619-11	PTC-01_20250429	Total/NA	Water	365.2/365.3/365	
500-267619-13	DKC-03_20250429	Total/NA	Water	365.2/365.3/365	
MB 500-816881/1-A	Method Blank	Total/NA	Water	365.2/365.3/365	
LCS 500-816881/2-A	Lab Control Sample	Total/NA	Water	365.2/365.3/365	
500-267619-13 MS	DKC-03_20250429	Total/NA	Water	365.2/365.3/365	
500-267619-13 MSD	DKC-03_20250429	Total/NA	Water	365.2/365.3/365	

Prep Batch: 816948

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-267619-1	SBW-01_20250429	Total/NA	Water	Distill/CN	
500-267619-3	SBD-01_20250429	Total/NA	Water	Distill/CN	
500-267619-5	SMW-1_20250429	Total/NA	Water	Distill/CN	
500-267619-7	MW-31_20250429	Total/NA	Water	Distill/CN	
500-267619-9	MLC-01_20250429	Total/NA	Water	Distill/CN	
500-267619-11	PTC-01_20250429	Total/NA	Water	Distill/CN	
500-267619-13	DKC-03_20250429	Total/NA	Water	Distill/CN	
MB 500-816948/1-A	Method Blank	Total/NA	Water	Distill/CN	
LCS 500-816948/2-A	Lab Control Sample	Total/NA	Water	Distill/CN	
500-267619-13 MS	DKC-03_20250429	Total/NA	Water	Distill/CN	
500-267619-13 MSD	DKC-03_20250429	Total/NA	Water	Distill/CN	

Analysis Batch: 817118

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-267619-1	SBW-01_20250429	Total/NA	Water	365.1	816881
500-267619-3	SBD-01_20250429	Total/NA	Water	365.1	816881
500-267619-5	SMW-1_20250429	Total/NA	Water	365.1	816881
500-267619-7	MW-31_20250429	Total/NA	Water	365.1	816881
500-267619-9	MLC-01_20250429	Total/NA	Water	365.1	816881
500-267619-11	PTC-01_20250429	Total/NA	Water	365.1	816881
500-267619-13	DKC-03_20250429	Total/NA	Water	365.1	816881
MB 500-816881/1-A	Method Blank	Total/NA	Water	365.1	816881
LCS 500-816881/2-A	Lab Control Sample	Total/NA	Water	365.1	816881
500-267619-13 MS	DKC-03_20250429	Total/NA	Water	365.1	816881
500-267619-13 MSD	DKC-03_20250429	Total/NA	Water	365.1	816881

Analysis Batch: 817172

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-267619-1	SBW-01_20250429	Total/NA	Water	335.4	816948
500-267619-3	SBD-01_20250429	Total/NA	Water	335.4	816948
500-267619-5	SMW-1_20250429	Total/NA	Water	335.4	816948
500-267619-7	MW-31_20250429	Total/NA	Water	335.4	816948
500-267619-9	MLC-01_20250429	Total/NA	Water	335.4	816948
500-267619-11	PTC-01_20250429	Total/NA	Water	335.4	816948
500-267619-13	DKC-03_20250429	Total/NA	Water	335.4	816948
MB 500-816948/1-A	Method Blank	Total/NA	Water	335.4	816948
LCS 500-816948/2-A	Lab Control Sample	Total/NA	Water	335.4	816948
500-267619-13 MS	DKC-03_20250429	Total/NA	Water	335.4	816948

General Chemistry (Continued)

Analysis Batch: 817172 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-267619-13 MSD	DKC-03_20250429	Total/NA	Water	335.4	816948

Prep Batch: 817986

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-267619-1	SBW-01_20250429	Total/NA	Water	Distill/Ammonia	
MB 500-817986/1-A	Method Blank	Total/NA	Water	Distill/Ammonia	
LCS 500-817986/2-A	Lab Control Sample	Total/NA	Water	Distill/Ammonia	

Analysis Batch: 818073

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-267619-1	SBW-01_20250429	Total/NA	Water	350.1	817986
MB 500-817986/1-A	Method Blank	Total/NA	Water	350.1	817986
LCS 500-817986/2-A	Lab Control Sample	Total/NA	Water	350.1	817986

Prep Batch: 818091

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-267619-3	SBD-01_20250429	Total/NA	Water	Distill/Ammonia	
500-267619-5	SMW-1_20250429	Total/NA	Water	Distill/Ammonia	
500-267619-7	MW-31_20250429	Total/NA	Water	Distill/Ammonia	
500-267619-9	MLC-01_20250429	Total/NA	Water	Distill/Ammonia	
500-267619-11	PTC-01_20250429	Total/NA	Water	Distill/Ammonia	
500-267619-13	DKC-03_20250429	Total/NA	Water	Distill/Ammonia	
MB 500-818091/1-A	Method Blank	Total/NA	Water	Distill/Ammonia	
LCS 500-818091/2-A	Lab Control Sample	Total/NA	Water	Distill/Ammonia	
500-267619-13 MS	DKC-03_20250429	Total/NA	Water	Distill/Ammonia	
500-267619-13 MSD	DKC-03_20250429	Total/NA	Water	Distill/Ammonia	

Analysis Batch: 818166

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-267619-3	SBD-01_20250429	Total/NA	Water	350.1	818091
500-267619-5	SMW-1_20250429	Total/NA	Water	350.1	818091
500-267619-7	MW-31_20250429	Total/NA	Water	350.1	818091
500-267619-9	MLC-01_20250429	Total/NA	Water	350.1	818091
500-267619-11	PTC-01_20250429	Total/NA	Water	350.1	818091
500-267619-13	DKC-03_20250429	Total/NA	Water	350.1	818091
MB 500-818091/1-A	Method Blank	Total/NA	Water	350.1	818091
LCS 500-818091/2-A	Lab Control Sample	Total/NA	Water	350.1	818091
500-267619-13 MS	DKC-03_20250429	Total/NA	Water	350.1	818091
500-267619-13 MSD	DKC-03_20250429	Total/NA	Water	350.1	818091

Method: 1630 - Methyl Mercury

Lab Sample ID: MB 350-6960/1-A
Matrix: Water
Analysis Batch: 7043

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 6960

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	0.0270	J	0.050	0.022	ng/L		05/22/25 12:50	05/23/25 14:46	1

Lab Sample ID: MB 350-6960/2-A
Matrix: Water
Analysis Batch: 7043

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 6960

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		05/22/25 12:50	05/23/25 14:56	1

Lab Sample ID: MB 350-6960/3-A
Matrix: Water
Analysis Batch: 7043

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 6960

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		05/22/25 12:50	05/23/25 15:06	1

Lab Sample ID: LCS 350-6960/4-A
Matrix: Water
Analysis Batch: 7043

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 6960

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Methyl Mercury	1.00	0.904		ng/L		90	65 - 135

Lab Sample ID: LCSD 350-6960/5-A
Matrix: Water
Analysis Batch: 7043

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 6960

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Methyl Mercury	1.00	0.876		ng/L		88	65 - 135	3	35

Lab Sample ID: MB 350-7302/1-A
Matrix: Water
Analysis Batch: 7378

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 7302

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		06/11/25 08:48	06/12/25 12:55	1

Lab Sample ID: MB 350-7302/2-A
Matrix: Water
Analysis Batch: 7378

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 7302

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		06/11/25 08:48	06/12/25 13:05	1

Lab Sample ID: MB 350-7302/3-A
Matrix: Water
Analysis Batch: 7378

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 7302

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		06/11/25 08:48	06/12/25 13:15	1

Method: 1630 - Methyl Mercury

Lab Sample ID: LCS 350-7302/4-A
Matrix: Water
Analysis Batch: 7378

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 7302

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Methyl Mercury	1.00	0.867		ng/L		87	65 - 135

Lab Sample ID: LCSD 350-7302/5-A
Matrix: Water
Analysis Batch: 7378

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 7302

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Methyl Mercury	1.00	0.963		ng/L		96	65 - 135	11	35

Lab Sample ID: 500-267619-13 MS
Matrix: Water
Analysis Batch: 7378

Client Sample ID: DKC-03_20250429
Prep Type: Total/NA
Prep Batch: 7302

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Methyl Mercury	0.067		1.00	0.981		ng/L		91	65 - 135

Lab Sample ID: 500-267619-13 MSD
Matrix: Water
Analysis Batch: 7378

Client Sample ID: DKC-03_20250429
Prep Type: Total/NA
Prep Batch: 7302

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Methyl Mercury	0.067		1.00	0.914		ng/L		85	65 - 135	7	35

Lab Sample ID: 500-267619-13 MS
Matrix: Water
Analysis Batch: 7378

Client Sample ID: DKC-03_20250429
Prep Type: Dissolved
Prep Batch: 7302

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Methyl Mercury	0.049	J	1.00	0.991		ng/L		94	65 - 135

Lab Sample ID: 500-267619-13 MSD
Matrix: Water
Analysis Batch: 7378

Client Sample ID: DKC-03_20250429
Prep Type: Dissolved
Prep Batch: 7302

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Methyl Mercury	0.049	J	1.00	0.976		ng/L		93	65 - 135	1	35

Method: 1631E - Mercury, Low Level (CVAFS)

Lab Sample ID: MB 350-6819/13
Matrix: Water
Analysis Batch: 6819

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			05/14/25 15:47	1

Method: 1631E - Mercury, Low Level (CVAFS) (Continued)

Lab Sample ID: MB 350-6819/14
Matrix: Water
Analysis Batch: 6819

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			05/14/25 15:51	1

Lab Sample ID: MB 350-6819/15
Matrix: Water
Analysis Batch: 6819

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			05/14/25 15:55	1

Lab Sample ID: LCS 350-6819/16
Matrix: Water
Analysis Batch: 6819

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	5.00	4.99		ng/L		100	77 - 123

Lab Sample ID: LCSD 350-6819/17
Matrix: Water
Analysis Batch: 6819

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	5.00	4.88		ng/L		98	77 - 123	2	24

Lab Sample ID: MB 350-6830/12
Matrix: Water
Analysis Batch: 6830

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			05/15/25 11:26	1

Lab Sample ID: MB 350-6830/13
Matrix: Water
Analysis Batch: 6830

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			05/15/25 11:30	1

Lab Sample ID: MB 350-6830/14
Matrix: Water
Analysis Batch: 6830

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			05/15/25 11:34	1

Lab Sample ID: LCS 350-6830/15
Matrix: Water
Analysis Batch: 6830

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	5.00	4.92		ng/L		98	77 - 123

Method: 1631E - Mercury, Low Level (CVAFS)

Lab Sample ID: LCSD 350-6830/16
Matrix: Water
Analysis Batch: 6830

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury			5.00	4.89		ng/L		98	77 - 123	1	24

Lab Sample ID: MB 350-6929/17
Matrix: Water
Analysis Batch: 6929

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			05/20/25 14:33	1

Lab Sample ID: MB 350-6929/18
Matrix: Water
Analysis Batch: 6929

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			05/20/25 14:37	1

Lab Sample ID: MB 350-6929/19
Matrix: Water
Analysis Batch: 6929

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			05/20/25 14:41	1

Lab Sample ID: MB 350-6929/20
Matrix: Water
Analysis Batch: 6929

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			05/20/25 14:45	1

Lab Sample ID: MB 350-6929/23
Matrix: Water
Analysis Batch: 6929

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			05/20/25 14:58	1

Lab Sample ID: MB 350-6929/24
Matrix: Water
Analysis Batch: 6929

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			05/20/25 15:02	1

Lab Sample ID: LCS 350-6929/28
Matrix: Water
Analysis Batch: 6929

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury			5.00	4.79		ng/L		96	77 - 123		

Method: 1631E - Mercury, Low Level (CVAFS)

Lab Sample ID: LCS 350-6929/58
Matrix: Water
Analysis Batch: 6929

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury			5.00	4.62		ng/L		92	77 - 123		

Lab Sample ID: LCSD 350-6929/29
Matrix: Water
Analysis Batch: 6929

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury			5.00	4.79		ng/L		96	77 - 123	0	24

Lab Sample ID: LCSD 350-6929/59
Matrix: Water
Analysis Batch: 6929

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury			5.00	4.61		ng/L		92	77 - 123	0	24

Lab Sample ID: 500-267619-13 MS
Matrix: Water
Analysis Batch: 6929

Client Sample ID: DKC-03_20250429
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury	8.0		10.0	16.5		ng/L		84	71 - 125		

Lab Sample ID: 500-267619-13 MSD
Matrix: Water
Analysis Batch: 6929

Client Sample ID: DKC-03_20250429
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	8.0		10.0	16.6		ng/L		86	71 - 125	1	24

Lab Sample ID: 500-267619-14 MS
Matrix: Water
Analysis Batch: 6929

Client Sample ID: DKC-03_20250429_FBLL
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	FB Result	FB Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury	<0.20		5.00	4.90		ng/L		98	71 - 125		

Lab Sample ID: 500-267619-14 MSD
Matrix: Water
Analysis Batch: 6929

Client Sample ID: DKC-03_20250429_FBLL
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	FB Result	FB Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	<0.20		5.00	4.72		ng/L		94	71 - 125	4	24

Lab Sample ID: 500-267619-13 MS
Matrix: Water
Analysis Batch: 6929

Client Sample ID: DKC-03_20250429
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury	4.6		10.0	14.4		ng/L		98	71 - 125		

Method: 1631E - Mercury, Low Level (CVAFS)

Lab Sample ID: 500-267619-13 MSD
Matrix: Water
Analysis Batch: 6929

Client Sample ID: DKC-03_20250429
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	4.6		10.0	14.3		ng/L		96	71 - 125	1	24

Method: 1638 - Metals (ICP/MS)

Lab Sample ID: MB 350-6941/1-A
Matrix: Water
Analysis Batch: 6989

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 6941

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	<0.0098		0.050	0.0098	ug/L		05/21/25 13:55	05/22/25 14:54	1

Lab Sample ID: MB 350-6941/2-A
Matrix: Water
Analysis Batch: 6989

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 6941

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	<0.0098		0.050	0.0098	ug/L		05/21/25 13:55	05/22/25 14:58	1

Lab Sample ID: LCS 350-6941/3-A
Matrix: Water
Analysis Batch: 6989

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 6941

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Uranium	50.0	50.0		ug/L		100	85 - 115

Lab Sample ID: LCSD 350-6941/4-A
Matrix: Water
Analysis Batch: 6989

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 6941

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Uranium	50.0	49.1		ug/L		98	85 - 115	2	20

Lab Sample ID: 500-267619-13 MS
Matrix: Water
Analysis Batch: 6989

Client Sample ID: DKC-03_20250429
Prep Type: Total Recoverable
Prep Batch: 6941

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Uranium	0.40		50.0	49.9		ug/L		99	70 - 130

Lab Sample ID: 500-267619-13 MSD
Matrix: Water
Analysis Batch: 6989

Client Sample ID: DKC-03_20250429
Prep Type: Total Recoverable
Prep Batch: 6941

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Uranium	0.40		50.0	51.1		ug/L		101	70 - 130	2	20

Method: 1638 - Metals (ICP/MS) (Continued)

Lab Sample ID: 500-267619-13 MS
Matrix: Water
Analysis Batch: 6989

Client Sample ID: DKC-03_20250429
Prep Type: Dissolved
Prep Batch: 6941

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Uranium	0.17		50.0	51.4		ug/L		103	70 - 130

Lab Sample ID: 500-267619-13 MSD
Matrix: Water
Analysis Batch: 6989

Client Sample ID: DKC-03_20250429
Prep Type: Dissolved
Prep Batch: 6941

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Uranium	0.17		50.0	51.2		ug/L		102	70 - 130	0	20

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 500-816974/1-A
Matrix: Water
Analysis Batch: 817410

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 816974

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<25		100	25	ug/L		05/08/25 16:15	05/12/25 15:44	1
Antimony	<1.3		3.0	1.3	ug/L		05/08/25 16:15	05/12/25 15:44	1
Arsenic	<0.23		1.0	0.23	ug/L		05/08/25 16:15	05/12/25 15:44	1
Barium	<0.73		2.5	0.73	ug/L		05/08/25 16:15	05/12/25 15:44	1
Beryllium	<0.53		1.0	0.53	ug/L		05/08/25 16:15	05/12/25 15:44	1
Boron	17.3	J	50	13	ug/L		05/08/25 16:15	05/12/25 15:44	1
Cadmium	<0.17		0.50	0.17	ug/L		05/08/25 16:15	05/12/25 15:44	1
Calcium	85.2	J	200	44	ug/L		05/08/25 16:15	05/12/25 15:44	1
Chromium	<1.1		5.0	1.1	ug/L		05/08/25 16:15	05/12/25 15:44	1
Cobalt	<0.40		1.0	0.40	ug/L		05/08/25 16:15	05/12/25 15:44	1
Copper	<0.50		2.0	0.50	ug/L		05/08/25 16:15	05/12/25 15:44	1
Iron	<47		100	47	ug/L		05/08/25 16:15	05/12/25 15:44	1
Lead	<0.19		0.50	0.19	ug/L		05/08/25 16:15	05/12/25 15:44	1
Lithium	<2.5		10	2.5	ug/L		05/08/25 16:15	05/12/25 15:44	1
Magnesium	<49		200	49	ug/L		05/08/25 16:15	05/12/25 15:44	1
Manganese	<0.79		2.5	0.79	ug/L		05/08/25 16:15	05/12/25 15:44	1
Molybdenum	<2.5		5.0	2.5	ug/L		05/08/25 16:15	05/12/25 15:44	1
Nickel	<0.63		2.0	0.63	ug/L		05/08/25 16:15	05/12/25 15:44	1
Potassium	<110		500	110	ug/L		05/08/25 16:15	05/12/25 15:44	1
Selenium	<0.98		2.5	0.98	ug/L		05/08/25 16:15	05/12/25 15:44	1
Silver	<0.12		0.50	0.12	ug/L		05/08/25 16:15	05/12/25 15:44	1
Sodium	105	J	200	77	ug/L		05/08/25 16:15	05/12/25 15:44	1
Strontium	<0.64		4.0	0.64	ug/L		05/08/25 16:15	05/12/25 15:44	1
Thallium	<0.57		2.0	0.57	ug/L		05/08/25 16:15	05/12/25 15:44	1
Tin	<1.3		5.0	1.3	ug/L		05/08/25 16:15	05/12/25 15:44	1
Vanadium	<2.2		5.0	2.2	ug/L		05/08/25 16:15	05/12/25 15:44	1
Zinc	<6.9		20	6.9	ug/L		05/08/25 16:15	05/12/25 15:44	1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 500-816974/2-A
Matrix: Water
Analysis Batch: 817410

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 816974

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	2000	2000		ug/L		100	80 - 120
Antimony	500	526		ug/L		105	80 - 120
Arsenic	100	98.4		ug/L		98	80 - 120
Barium	500	518		ug/L		104	80 - 120
Beryllium	50.0	49.2		ug/L		98	80 - 120
Boron	1000	1010		ug/L		101	80 - 120
Cadmium	50.0	51.1		ug/L		102	80 - 120
Calcium	10000	9230		ug/L		92	80 - 120
Chromium	200	195		ug/L		98	80 - 120
Cobalt	500	519		ug/L		104	80 - 120
Copper	250	252		ug/L		101	80 - 120
Iron	1000	1030		ug/L		103	80 - 120
Lead	100	101		ug/L		101	80 - 120
Lithium	100	102		ug/L		102	80 - 120
Magnesium	10000	10300		ug/L		103	80 - 120
Manganese	500	520		ug/L		104	80 - 120
Molybdenum	1000	1000		ug/L		100	80 - 120
Nickel	500	502		ug/L		100	80 - 120
Potassium	10000	10400		ug/L		104	80 - 120
Selenium	100	102		ug/L		102	80 - 120
Silver	50.0	50.7		ug/L		101	80 - 120
Sodium	10000	10200		ug/L		102	80 - 120
Strontium	1000	1020		ug/L		102	80 - 120
Thallium	100	98.5		ug/L		98	80 - 120
Tin	1000	1050		ug/L		105	80 - 120
Vanadium	500	508		ug/L		102	80 - 120
Zinc	500	497		ug/L		99	80 - 120

Lab Sample ID: MB 500-816978/1-A
Matrix: Water
Analysis Batch: 817410

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 816978

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<25		100	25	ug/L		05/08/25 16:22	05/12/25 17:03	1
Antimony	<1.3		3.0	1.3	ug/L		05/08/25 16:22	05/12/25 17:03	1
Arsenic	<0.23		1.0	0.23	ug/L		05/08/25 16:22	05/12/25 17:03	1
Barium	<0.73		2.5	0.73	ug/L		05/08/25 16:22	05/12/25 17:03	1
Beryllium	<0.53		1.0	0.53	ug/L		05/08/25 16:22	05/12/25 17:03	1
Boron	<13		50	13	ug/L		05/08/25 16:22	05/12/25 17:03	1
Cadmium	<0.17		0.50	0.17	ug/L		05/08/25 16:22	05/12/25 17:03	1
Calcium	<44		200	44	ug/L		05/08/25 16:22	05/12/25 17:03	1
Chromium	<1.1		5.0	1.1	ug/L		05/08/25 16:22	05/12/25 17:03	1
Cobalt	<0.40		1.0	0.40	ug/L		05/08/25 16:22	05/12/25 17:03	1
Copper	<0.50		2.0	0.50	ug/L		05/08/25 16:22	05/12/25 17:03	1
Iron	<47		100	47	ug/L		05/08/25 16:22	05/12/25 17:03	1
Lead	<0.19		0.50	0.19	ug/L		05/08/25 16:22	05/12/25 17:03	1
Lithium	<2.5		10	2.5	ug/L		05/08/25 16:22	05/12/25 17:03	1
Magnesium	<49		200	49	ug/L		05/08/25 16:22	05/12/25 17:03	1
Manganese	<0.79		2.5	0.79	ug/L		05/08/25 16:22	05/12/25 17:03	1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 500-816978/1-A
Matrix: Water
Analysis Batch: 817410

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 816978

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Molybdenum	<2.5		5.0	2.5	ug/L		05/08/25 16:22	05/12/25 17:03	1
Nickel	<0.63		2.0	0.63	ug/L		05/08/25 16:22	05/12/25 17:03	1
Potassium	<110		500	110	ug/L		05/08/25 16:22	05/12/25 17:03	1
Selenium	<0.98		2.5	0.98	ug/L		05/08/25 16:22	05/12/25 17:03	1
Silver	<0.12		0.50	0.12	ug/L		05/08/25 16:22	05/12/25 17:03	1
Sodium	<77		200	77	ug/L		05/08/25 16:22	05/12/25 17:03	1
Strontium	<0.64		4.0	0.64	ug/L		05/08/25 16:22	05/12/25 17:03	1
Thallium	<0.57		2.0	0.57	ug/L		05/08/25 16:22	05/12/25 17:03	1
Tin	<1.3		5.0	1.3	ug/L		05/08/25 16:22	05/12/25 17:03	1
Vanadium	<2.2		5.0	2.2	ug/L		05/08/25 16:22	05/12/25 17:03	1
Zinc	<6.9		20	6.9	ug/L		05/08/25 16:22	05/12/25 17:03	1

Lab Sample ID: LCS 500-816978/2-A
Matrix: Water
Analysis Batch: 817410

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 816978

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	2000	2010		ug/L		101	80 - 120
Antimony	500	531		ug/L		106	80 - 120
Arsenic	100	97.5		ug/L		98	80 - 120
Barium	500	520		ug/L		104	80 - 120
Beryllium	50.0	50.2		ug/L		100	80 - 120
Boron	1000	1030		ug/L		103	80 - 120
Cadmium	50.0	51.2		ug/L		102	80 - 120
Calcium	10000	9150		ug/L		92	80 - 120
Chromium	200	201		ug/L		101	80 - 120
Cobalt	500	539		ug/L		108	80 - 120
Copper	250	251		ug/L		100	80 - 120
Iron	1000	1050		ug/L		105	80 - 120
Lead	100	102		ug/L		102	80 - 120
Lithium	100	107		ug/L		107	80 - 120
Magnesium	10000	10500		ug/L		105	80 - 120
Manganese	500	527		ug/L		105	80 - 120
Molybdenum	1000	1010		ug/L		101	80 - 120
Nickel	500	502		ug/L		100	80 - 120
Potassium	10000	10700		ug/L		107	80 - 120
Selenium	100	102		ug/L		102	80 - 120
Silver	50.0	51.7		ug/L		103	80 - 120
Sodium	10000	10300		ug/L		103	80 - 120
Strontium	1000	1020		ug/L		102	80 - 120
Thallium	100	99.7		ug/L		100	80 - 120
Tin	1000	1040		ug/L		104	80 - 120
Vanadium	500	523		ug/L		105	80 - 120
Zinc	500	495		ug/L		99	80 - 120

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 500-267619-13 MS
Matrix: Water
Analysis Batch: 817410

Client Sample ID: DKC-03_20250429
Prep Type: Total Recoverable
Prep Batch: 816978

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	2500	F1 F2	2000	5020		ug/L		125	75 - 125
Antimony	<1.3		500	515		ug/L		103	75 - 125
Arsenic	0.61	J	100	95.4		ug/L		95	75 - 125
Barium	38		500	549		ug/L		102	75 - 125
Beryllium	<0.53		50.0	50.1		ug/L		100	75 - 125
Boron	18	J	1000	1030		ug/L		101	75 - 125
Cadmium	<0.17		50.0	50.0		ug/L		100	75 - 125
Calcium	7800		10000	16200		ug/L		84	75 - 125
Chromium	3.0	J	200	198		ug/L		97	75 - 125
Cobalt	1.2		500	526		ug/L		105	75 - 125
Copper	15		250	259		ug/L		98	75 - 125
Iron	2300	F1 F2	1000	2920	F1	ug/L		65	75 - 125
Lead	1.0		100	100		ug/L		99	75 - 125
Lithium	<2.5		100	107		ug/L		107	75 - 125
Magnesium	2400		10000	12500		ug/L		101	75 - 125
Manganese	83		500	593		ug/L		102	75 - 125
Molybdenum	<2.5		1000	986		ug/L		99	75 - 125
Nickel	2.7		500	494		ug/L		98	75 - 125
Potassium	1300		10000	11900		ug/L		106	75 - 125
Selenium	<0.98		100	95.8		ug/L		96	75 - 125
Silver	<0.12		50.0	50.5		ug/L		101	75 - 125
Sodium	1100		10000	11200		ug/L		101	75 - 125
Strontium	27		1000	1020		ug/L		99	75 - 125
Thallium	<0.57		100	99.2		ug/L		99	75 - 125
Tin	<1.3		1000	1020		ug/L		102	75 - 125
Vanadium	6.6		500	513		ug/L		101	75 - 125
Zinc	8.0	J	500	488		ug/L		96	75 - 125

Lab Sample ID: 500-267619-13 MSD
Matrix: Water
Analysis Batch: 817410

Client Sample ID: DKC-03_20250429
Prep Type: Total Recoverable
Prep Batch: 816978

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum	2500	F1 F2	2000	3530	F1 F2	ug/L		51	75 - 125	35	20
Antimony	<1.3		500	521		ug/L		104	75 - 125	1	20
Arsenic	0.61	J	100	96.5		ug/L		96	75 - 125	1	20
Barium	38		500	541		ug/L		101	75 - 125	1	20
Beryllium	<0.53		50.0	52.2		ug/L		104	75 - 125	4	20
Boron	18	J	1000	1050		ug/L		103	75 - 125	2	20
Cadmium	<0.17		50.0	50.9		ug/L		102	75 - 125	2	20
Calcium	7800		10000	16200		ug/L		84	75 - 125	0	20
Chromium	3.0	J	200	200		ug/L		98	75 - 125	1	20
Cobalt	1.2		500	530		ug/L		106	75 - 125	1	20
Copper	15		250	258		ug/L		97	75 - 125	0	20
Iron	2300	F1 F2	1000	2090	F1 F2	ug/L		-17	75 - 125	33	20
Lead	1.0		100	100		ug/L		99	75 - 125	0	20
Lithium	<2.5		100	108		ug/L		108	75 - 125	1	20
Magnesium	2400		10000	12300		ug/L		99	75 - 125	1	20
Manganese	83		500	551		ug/L		93	75 - 125	7	20

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 500-267619-13 MSD
Matrix: Water
Analysis Batch: 817410

Client Sample ID: DKC-03_20250429
Prep Type: Total Recoverable
Prep Batch: 816978

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Molybdenum	<2.5		1000	996		ug/L		100	75 - 125	1	20
Nickel	2.7		500	494		ug/L		98	75 - 125	0	20
Potassium	1300		10000	11900		ug/L		106	75 - 125	0	20
Selenium	<0.98		100	98.9		ug/L		99	75 - 125	3	20
Silver	<0.12		50.0	50.4		ug/L		101	75 - 125	0	20
Sodium	1100		10000	11300		ug/L		102	75 - 125	1	20
Strontium	27		1000	1030		ug/L		100	75 - 125	0	20
Thallium	<0.57		100	98.5		ug/L		99	75 - 125	1	20
Tin	<1.3		1000	1030		ug/L		103	75 - 125	1	20
Vanadium	6.6		500	515		ug/L		102	75 - 125	0	20
Zinc	8.0	J	500	486		ug/L		96	75 - 125	0	20

Lab Sample ID: 500-267619-13 DU
Matrix: Water
Analysis Batch: 817410

Client Sample ID: DKC-03_20250429
Prep Type: Total Recoverable
Prep Batch: 816978

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Aluminum	2500	F1 F2		2380		ug/L				6	20
Antimony	<1.3			<1.3		ug/L				NC	20
Arsenic	0.61	J		0.661	J	ug/L				8	20
Barium	38			36.7		ug/L				3	20
Beryllium	<0.53			<0.53		ug/L				NC	20
Boron	18	J		17.4	J	ug/L				5	20
Cadmium	<0.17			<0.17		ug/L				NC	20
Calcium	7800			7600		ug/L				3	20
Chromium	3.0	J		3.03	J	ug/L				0.07	20
Cobalt	1.2			1.16		ug/L				5	20
Copper	15			14.5		ug/L				3	20
Iron	2300	F1 F2		2390		ug/L				5	20
Lead	1.0			1.03		ug/L				0.1	20
Lithium	<2.5			<2.5		ug/L				NC	20
Magnesium	2400			2330		ug/L				3	20
Manganese	83			82.5		ug/L				0.8	20
Molybdenum	<2.5			<2.5		ug/L				NC	20
Nickel	2.7			2.50		ug/L				8	20
Potassium	1300			1250		ug/L				2	20
Selenium	<0.98			<0.98		ug/L				NC	20
Silver	<0.12			<0.12		ug/L				NC	20
Sodium	1100			1110		ug/L				2	20
Strontium	27			25.9		ug/L				4	20
Thallium	<0.57			<0.57		ug/L				NC	20
Tin	<1.3			<1.3		ug/L				NC	20
Vanadium	6.6			6.52		ug/L				1	20
Zinc	8.0	J		8.73	J	ug/L				8	20

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 500-816979/1-A
Matrix: Water
Analysis Batch: 817408

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 816979

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<25		100	25	ug/L		05/08/25 16:26	05/12/25 16:06	1
Antimony	<1.3		3.0	1.3	ug/L		05/08/25 16:26	05/12/25 16:06	1
Arsenic	<0.23		1.0	0.23	ug/L		05/08/25 16:26	05/12/25 16:06	1
Barium	<0.73	^5+	2.5	0.73	ug/L		05/08/25 16:26	05/12/25 16:06	1
Beryllium	<0.53		1.0	0.53	ug/L		05/08/25 16:26	05/12/25 16:06	1
Boron	<13		50	13	ug/L		05/08/25 16:26	05/12/25 16:06	1
Cadmium	<0.17		0.50	0.17	ug/L		05/08/25 16:26	05/12/25 16:06	1
Chromium	<1.1		5.0	1.1	ug/L		05/08/25 16:26	05/12/25 16:06	1
Cobalt	<0.40		1.0	0.40	ug/L		05/08/25 16:26	05/12/25 16:06	1
Iron	<47		100	47	ug/L		05/08/25 16:26	05/12/25 16:06	1
Lead	<0.19		0.50	0.19	ug/L		05/08/25 16:26	05/12/25 16:06	1
Lithium	<2.5		10	2.5	ug/L		05/08/25 16:26	05/12/25 16:06	1
Magnesium	<49		200	49	ug/L		05/08/25 16:26	05/12/25 16:06	1
Manganese	<0.79		2.5	0.79	ug/L		05/08/25 16:26	05/12/25 16:06	1
Molybdenum	<2.5		5.0	2.5	ug/L		05/08/25 16:26	05/12/25 16:06	1
Nickel	<0.63		2.0	0.63	ug/L		05/08/25 16:26	05/12/25 16:06	1
Potassium	<110		500	110	ug/L		05/08/25 16:26	05/12/25 16:06	1
Selenium	<0.98		2.5	0.98	ug/L		05/08/25 16:26	05/12/25 16:06	1
Silver	<0.12		0.50	0.12	ug/L		05/08/25 16:26	05/12/25 16:06	1
Sodium	<77		200	77	ug/L		05/08/25 16:26	05/12/25 16:06	1
Strontium	<0.64	^5+	4.0	0.64	ug/L		05/08/25 16:26	05/12/25 16:06	1
Thallium	<0.57		2.0	0.57	ug/L		05/08/25 16:26	05/12/25 16:06	1
Tin	<1.3		5.0	1.3	ug/L		05/08/25 16:26	05/12/25 16:06	1
Vanadium	<2.2		5.0	2.2	ug/L		05/08/25 16:26	05/12/25 16:06	1
Zinc	<6.9		20	6.9	ug/L		05/08/25 16:26	05/12/25 16:06	1

Lab Sample ID: MB 500-816979/1-A
Matrix: Water
Analysis Batch: 817596

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 816979

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	<0.50		2.0	0.50	ug/L		05/08/25 16:26	05/13/25 15:42	1

Lab Sample ID: MB 500-816979/1-A
Matrix: Water
Analysis Batch: 817764

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 816979

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	72.3	J	200	44	ug/L		05/08/25 16:26	05/14/25 14:21	1

Lab Sample ID: LCS 500-816979/2-A
Matrix: Water
Analysis Batch: 817408

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 816979

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	2000	1940		ug/L		97	80 - 120
Antimony	500	527		ug/L		105	80 - 120
Arsenic	100	102		ug/L		102	80 - 120
Barium	500	515	^5+	ug/L		103	80 - 120

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 500-816979/2-A
Matrix: Water
Analysis Batch: 817408

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 816979

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Beryllium	50.0	53.3		ug/L		107	80 - 120
Boron	1000	1020		ug/L		102	80 - 120
Cadmium	50.0	52.4		ug/L		105	80 - 120
Chromium	200	201		ug/L		100	80 - 120
Cobalt	500	527		ug/L		105	80 - 120
Iron	1000	1060		ug/L		106	80 - 120
Lead	100	102		ug/L		102	80 - 120
Lithium	100	106		ug/L		106	80 - 120
Magnesium	10000	10700		ug/L		107	80 - 120
Manganese	500	517		ug/L		103	80 - 120
Molybdenum	1000	1030		ug/L		103	80 - 120
Nickel	500	525		ug/L		105	80 - 120
Potassium	10000	10500		ug/L		105	80 - 120
Selenium	100	102		ug/L		102	80 - 120
Silver	50.0	52.5		ug/L		105	80 - 120
Sodium	10000	10400		ug/L		104	80 - 120
Strontium	1000	1090	^5+	ug/L		109	80 - 120
Thallium	100	108		ug/L		108	80 - 120
Tin	1000	1070		ug/L		107	80 - 120
Vanadium	500	515		ug/L		103	80 - 120
Zinc	500	518		ug/L		104	80 - 120

Lab Sample ID: LCS 500-816979/2-A
Matrix: Water
Analysis Batch: 817596

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 816979

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Copper	250	253		ug/L		101	80 - 120

Lab Sample ID: LCS 500-816979/2-A
Matrix: Water
Analysis Batch: 817764

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 816979

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Calcium	10000	8850		ug/L		89	80 - 120

Lab Sample ID: 500-267619-13 MS
Matrix: Water
Analysis Batch: 817408

Client Sample ID: DKC-03_20250429
Prep Type: Dissolved
Prep Batch: 816979

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	100		2000	2030		ug/L		96	75 - 125
Antimony	<1.3		500	524		ug/L		105	75 - 125
Arsenic	0.26	J	100	103		ug/L		103	75 - 125
Barium	16	^5+	500	529	^5+	ug/L		103	75 - 125
Beryllium	<0.53		50.0	52.5		ug/L		105	75 - 125
Boron	22	J	1000	1040		ug/L		102	75 - 125
Cadmium	<0.17		50.0	52.0		ug/L		104	75 - 125
Chromium	<1.1		200	203		ug/L		102	75 - 125

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 500-267619-13 MS
Matrix: Water
Analysis Batch: 817408

Client Sample ID: DKC-03_20250429
Prep Type: Dissolved
Prep Batch: 816979

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Cobalt	<0.40		500	536		ug/L		107	75 - 125
Iron	190		1000	1210		ug/L		102	75 - 125
Lead	<0.19		100	103		ug/L		103	75 - 125
Lithium	<2.5		100	111		ug/L		111	75 - 125
Magnesium	1800		10000	12600		ug/L		108	75 - 125
Manganese	17		500	536		ug/L		104	75 - 125
Molybdenum	<2.5		1000	1030		ug/L		103	75 - 125
Nickel	<0.63		500	525		ug/L		105	75 - 125
Potassium	720		10000	11500		ug/L		108	75 - 125
Selenium	<0.98		100	102		ug/L		102	75 - 125
Silver	<0.12		50.0	52.7		ug/L		105	75 - 125
Sodium	1000		10000	11700		ug/L		107	75 - 125
Strontium	24	^5+	1000	1110	^5+	ug/L		109	75 - 125
Thallium	<0.57		100	108		ug/L		108	75 - 125
Tin	<1.3		1000	1070		ug/L		107	75 - 125
Vanadium	<2.2		500	523		ug/L		105	75 - 125
Zinc	<6.9		500	513		ug/L		103	75 - 125

Lab Sample ID: 500-267619-13 MS
Matrix: Water
Analysis Batch: 817596

Client Sample ID: DKC-03_20250429
Prep Type: Dissolved
Prep Batch: 816979

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Copper	9.4		250	265		ug/L		102	75 - 125

Lab Sample ID: 500-267619-13 MS
Matrix: Water
Analysis Batch: 817764

Client Sample ID: DKC-03_20250429
Prep Type: Dissolved
Prep Batch: 816979

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Calcium	6900	B	10000	16100		ug/L		92	75 - 125

Lab Sample ID: 500-267619-13 MSD
Matrix: Water
Analysis Batch: 817408

Client Sample ID: DKC-03_20250429
Prep Type: Dissolved
Prep Batch: 816979

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum	100		2000	2050		ug/L		97	75 - 125	1	20
Antimony	<1.3		500	517		ug/L		103	75 - 125	1	20
Arsenic	0.26	J	100	103		ug/L		103	75 - 125	0	20
Barium	16	^5+	500	527	^5+	ug/L		102	75 - 125	0	20
Beryllium	<0.53		50.0	52.8		ug/L		106	75 - 125	0	20
Boron	22	J	1000	1040		ug/L		102	75 - 125	0	20
Cadmium	<0.17		50.0	51.7		ug/L		103	75 - 125	1	20
Chromium	<1.1		200	201		ug/L		100	75 - 125	1	20
Cobalt	<0.40		500	529		ug/L		106	75 - 125	1	20
Iron	190		1000	1250		ug/L		106	75 - 125	3	20
Lead	<0.19		100	102		ug/L		102	75 - 125	1	20
Lithium	<2.5		100	108		ug/L		108	75 - 125	3	20

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 500-267619-13 MSD
Matrix: Water
Analysis Batch: 817408

Client Sample ID: DKC-03_20250429
Prep Type: Dissolved
Prep Batch: 816979

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Magnesium	1800		10000	12500		ug/L		107	75 - 125	1	20
Manganese	17		500	553		ug/L		107	75 - 125	3	20
Molybdenum	<2.5		1000	1020		ug/L		102	75 - 125	1	20
Nickel	<0.63		500	519		ug/L		104	75 - 125	1	20
Potassium	720		10000	11600		ug/L		108	75 - 125	1	20
Selenium	<0.98		100	102		ug/L		102	75 - 125	0	20
Silver	<0.12		50.0	52.0		ug/L		104	75 - 125	1	20
Sodium	1000		10000	11500		ug/L		105	75 - 125	1	20
Strontium	24	^5+	1000	1100	^5+	ug/L		108	75 - 125	1	20
Thallium	<0.57		100	108		ug/L		108	75 - 125	0	20
Tin	<1.3		1000	1060		ug/L		106	75 - 125	1	20
Vanadium	<2.2		500	525		ug/L		105	75 - 125	0	20
Zinc	<6.9		500	508		ug/L		102	75 - 125	1	20

Lab Sample ID: 500-267619-13 MSD
Matrix: Water
Analysis Batch: 817596

Client Sample ID: DKC-03_20250429
Prep Type: Dissolved
Prep Batch: 816979

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Copper	9.4		250	264		ug/L		102	75 - 125	0	20

Lab Sample ID: 500-267619-13 MSD
Matrix: Water
Analysis Batch: 817764

Client Sample ID: DKC-03_20250429
Prep Type: Dissolved
Prep Batch: 816979

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Calcium	6900	B	10000	16000		ug/L		91	75 - 125	0	20

Lab Sample ID: 500-267619-13 DU
Matrix: Water
Analysis Batch: 817408

Client Sample ID: DKC-03_20250429
Prep Type: Dissolved
Prep Batch: 816979

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Aluminum	100		105		ug/L		2	20
Antimony	<1.3		<1.3		ug/L		NC	20
Arsenic	0.26	J	0.295	J	ug/L		14	20
Barium	16	^5+	15.7		ug/L		0.5	20
Beryllium	<0.53		<0.53		ug/L		NC	20
Boron	22	J	13.2	J F5	ug/L		49	20
Cadmium	<0.17		<0.17		ug/L		NC	20
Chromium	<1.1		<1.1		ug/L		NC	20
Cobalt	<0.40		<0.40		ug/L		NC	20
Iron	190		193		ug/L		0.9	20
Lead	<0.19		<0.19		ug/L		NC	20
Lithium	<2.5		<2.5		ug/L		NC	20
Magnesium	1800		1820		ug/L		0.7	20
Manganese	17		17.4		ug/L		2	20
Molybdenum	<2.5		<2.5		ug/L		NC	20
Nickel	<0.63		<0.63		ug/L		NC	20

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 500-267619-13 DU
Matrix: Water
Analysis Batch: 817408

Client Sample ID: DKC-03_20250429
Prep Type: Dissolved
Prep Batch: 816979

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Potassium	720		740		ug/L		2	20
Selenium	<0.98		<0.98		ug/L		NC	20
Silver	<0.12		<0.12		ug/L		NC	20
Sodium	1000		1020		ug/L		1	20
Strontium	24	^5+	23.5		ug/L		0.1	20
Thallium	<0.57		<0.57		ug/L		NC	20
Tin	<1.3		<1.3		ug/L		NC	20
Vanadium	<2.2		<2.2		ug/L		NC	20
Zinc	<6.9		<6.9		ug/L		NC	20

Lab Sample ID: 500-267619-13 DU
Matrix: Water
Analysis Batch: 817596

Client Sample ID: DKC-03_20250429
Prep Type: Dissolved
Prep Batch: 816979

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Copper	9.4		9.19		ug/L		2	20

Lab Sample ID: 500-267619-13 DU
Matrix: Water
Analysis Batch: 817764

Client Sample ID: DKC-03_20250429
Prep Type: Dissolved
Prep Batch: 816979

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Calcium	6900	B	7000		ug/L		1	20

Method: SM 2340B - Total Hardness (as CaCO3) by calculation

Lab Sample ID: 500-267619-13 DU
Matrix: Water
Analysis Batch: 817452

Client Sample ID: DKC-03_20250429
Prep Type: Total Recoverable
Prep Batch: 816978

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Hardness as calcium carbonate	29		28.6		mg/L		3	

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 500-816052/3
Matrix: Water
Analysis Batch: 816052

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	<0.45		1.0	0.45	mg/L			05/01/25 15:34	1
Chloride	<0.42		1.0	0.42	mg/L			05/01/25 15:34	1
Fluoride	<0.43		1.0	0.43	mg/L			05/01/25 15:34	1
Sulfate	<0.47		1.0	0.47	mg/L			05/01/25 15:34	1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: MB 500-816052/33
Matrix: Water
Analysis Batch: 816052

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	<0.45		1.0	0.45	mg/L			05/01/25 23:13	1
Chloride	<0.42		1.0	0.42	mg/L			05/01/25 23:13	1
Fluoride	<0.43		1.0	0.43	mg/L			05/01/25 23:13	1
Sulfate	<0.47		1.0	0.47	mg/L			05/01/25 23:13	1

Lab Sample ID: LCS 500-816052/34
Matrix: Water
Analysis Batch: 816052

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Bromide			20.0	19.3		mg/L		96	90 - 110		
Chloride			100	106		mg/L		106	90 - 110		
Fluoride			20.0	20.1		mg/L		100	90 - 110		
Sulfate			100	108		mg/L		108	90 - 110		

Lab Sample ID: LCS 500-816052/4
Matrix: Water
Analysis Batch: 816052

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Bromide			20.0	19.2		mg/L		96	90 - 110		
Chloride			100	105		mg/L		105	90 - 110		
Fluoride			20.0	20.0		mg/L		100	90 - 110		
Sulfate			100	107		mg/L		107	90 - 110		

Lab Sample ID: 500-267619-5 MS
Matrix: Water
Analysis Batch: 816052

Client Sample ID: SMW-1_20250429
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Bromide	<0.45		10.0	10.4		mg/L		104	80 - 120		
Chloride	6.1		10.0	16.6		mg/L		105	80 - 120		
Fluoride	0.83	J	10.0	11.7		mg/L		109	80 - 120		
Sulfate	16		10.0	26.3		mg/L		108	80 - 120		

Lab Sample ID: 500-267619-5 MSD
Matrix: Water
Analysis Batch: 816052

Client Sample ID: SMW-1_20250429
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Bromide	<0.45		10.0	10.2		mg/L		102	80 - 120	2	20
Chloride	6.1		10.0	16.3		mg/L		101	80 - 120	2	20
Fluoride	0.83	J	10.0	11.3		mg/L		105	80 - 120	3	20
Sulfate	16		10.0	25.7		mg/L		101	80 - 120	2	20

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 500-267619-13 MS
Matrix: Water
Analysis Batch: 816052

Client Sample ID: DKC-03_20250429
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Bromide	<0.45		10.0	10.3		mg/L		103	80 - 120
Chloride	0.51	J	10.0	11.1		mg/L		106	80 - 120
Fluoride	<0.43		10.0	10.8		mg/L		108	80 - 120
Sulfate	1.0		10.0	11.8		mg/L		108	80 - 120

Lab Sample ID: 500-267619-13 MSD
Matrix: Water
Analysis Batch: 816052

Client Sample ID: DKC-03_20250429
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Bromide	<0.45		10.0	10.3		mg/L		103	80 - 120	0	20
Chloride	0.51	J	10.0	11.1		mg/L		106	80 - 120	0	20
Fluoride	<0.43		10.0	10.8		mg/L		108	80 - 120	0	20
Sulfate	1.0		10.0	11.6		mg/L		106	80 - 120	1	20

Lab Sample ID: MB 500-816053/3
Matrix: Water
Analysis Batch: 816053

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	<0.37		1.0	0.37	mg/L			05/01/25 15:34	1
Nitrite as N	<0.25		1.0	0.25	mg/L			05/01/25 15:34	1
Nitrate Nitrite as N	<0.37		1.0	0.37	mg/L			05/01/25 15:34	1

Lab Sample ID: MB 500-816053/33
Matrix: Water
Analysis Batch: 816053

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	<0.37		1.0	0.37	mg/L			05/01/25 23:13	1
Nitrite as N	<0.25		1.0	0.25	mg/L			05/01/25 23:13	1
Nitrate Nitrite as N	<0.37		1.0	0.37	mg/L			05/01/25 23:13	1

Lab Sample ID: LCS 500-816053/34
Matrix: Water
Analysis Batch: 816053

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate as N	20.0	20.5		mg/L		102	90 - 110
Nitrite as N	20.0	20.6		mg/L		103	90 - 110
Nitrate Nitrite as N	40.0	41.1		mg/L		103	90 - 110

Lab Sample ID: LCS 500-816053/4
Matrix: Water
Analysis Batch: 816053

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate as N	20.0	20.3		mg/L		102	90 - 110
Nitrite as N	20.0	20.5		mg/L		102	90 - 110
Nitrate Nitrite as N	40.0	40.8		mg/L		102	90 - 110

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 500-267619-5 MS
Matrix: Water
Analysis Batch: 816053

Client Sample ID: SMW-1_20250429
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate as N	<0.37	H F1	2.26	3.12	F1	mg/L		138	80 - 120
Nitrite as N	<0.25	H	3.03	3.33		mg/L		110	80 - 120
Nitrate Nitrite as N	<0.37	H F1	5.29	6.45	F1	mg/L		122	80 - 120

Lab Sample ID: 500-267619-5 MSD
Matrix: Water
Analysis Batch: 816053

Client Sample ID: SMW-1_20250429
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrate as N	<0.37	H F1	2.26	3.08	F1	mg/L		137	80 - 120	1	20
Nitrite as N	<0.25	H	3.03	3.23		mg/L		107	80 - 120	3	20
Nitrate Nitrite as N	<0.37	H F1	5.29	6.31		mg/L		119	80 - 120	2	20

Lab Sample ID: 500-267619-13 MS
Matrix: Water
Analysis Batch: 816053

Client Sample ID: DKC-03_20250429
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate as N	<0.37	H	2.26	2.54	H	mg/L		112	80 - 120
Nitrite as N	<0.25	H	3.03	3.32	H	mg/L		109	80 - 120
Nitrate Nitrite as N	<0.37	H	5.29	5.86	H	mg/L		111	80 - 120

Lab Sample ID: 500-267619-13 MSD
Matrix: Water
Analysis Batch: 816053

Client Sample ID: DKC-03_20250429
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrate as N	<0.37	H	2.26	2.51	H	mg/L		111	80 - 120	1	20
Nitrite as N	<0.25	H	3.03	3.33	H	mg/L		110	80 - 120	1	20
Nitrate Nitrite as N	<0.37	H	5.29	5.84	H	mg/L		110	80 - 120	0	20

Method: 335.4 - Cyanide, Total

Lab Sample ID: MB 500-816948/1-A
Matrix: Water
Analysis Batch: 817172

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 816948

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.0036		0.0050	0.0036	mg/L		05/08/25 16:20	05/09/25 16:48	1

Lab Sample ID: LCS 500-816948/2-A
Matrix: Water
Analysis Batch: 817172

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 816948

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.100	0.103		mg/L		103	90 - 110

Method: 335.4 - Cyanide, Total (Continued)

Lab Sample ID: 500-267619-13 MS
Matrix: Water
Analysis Batch: 817172

Client Sample ID: DKC-03_20250429
Prep Type: Total/NA
Prep Batch: 816948

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	<0.0036		0.100	0.0950		mg/L		95	90 - 110

Lab Sample ID: 500-267619-13 MSD
Matrix: Water
Analysis Batch: 817172

Client Sample ID: DKC-03_20250429
Prep Type: Total/NA
Prep Batch: 816948

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Cyanide, Total	<0.0036		0.100	0.100		mg/L		100	90 - 110	5	20

Method: 350.1 - Nitrogen, Ammonia

Lab Sample ID: MB 500-817986/1-A
Matrix: Water
Analysis Batch: 818073

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 817986

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	<0.10		0.20	0.10	mg/L		05/16/25 11:18	05/16/25 15:25	1

Lab Sample ID: LCS 500-817986/2-A
Matrix: Water
Analysis Batch: 818073

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 817986

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ammonia	2.00	1.94		mg/L		97	90 - 110

Lab Sample ID: MB 500-818091/1-A
Matrix: Water
Analysis Batch: 818166

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 818091

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	<0.10		0.20	0.10	mg/L		05/17/25 10:19	05/17/25 12:55	1

Lab Sample ID: LCS 500-818091/2-A
Matrix: Water
Analysis Batch: 818166

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 818091

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ammonia	2.00	2.09		mg/L		104	90 - 110

Lab Sample ID: 500-267619-13 MS
Matrix: Water
Analysis Batch: 818166

Client Sample ID: DKC-03_20250429
Prep Type: Total/NA
Prep Batch: 818091

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ammonia	<0.10	F1 F2	2.00	2.14		mg/L		107	90 - 110

Method: 350.1 - Nitrogen, Ammonia (Continued)

Lab Sample ID: 500-267619-13 MSD
Matrix: Water
Analysis Batch: 818166

Client Sample ID: DKC-03_20250429
Prep Type: Total/NA
Prep Batch: 818091

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Ammonia	<0.10	F1 F2	2.00	1.59	F1 F2	mg/L		79	90 - 110	29	20

Method: 365.1 - Phosphorus, Total

Lab Sample ID: MB 500-816881/1-A
Matrix: Water
Analysis Batch: 817118

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 816881

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phosphorus as P	<0.024		0.050	0.024	mg/L		05/08/25 09:51	05/09/25 12:10	1

Lab Sample ID: LCS 500-816881/2-A
Matrix: Water
Analysis Batch: 817118

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 816881

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Phosphorus as P	1.00	0.956		mg/L		96	88 - 123

Lab Sample ID: 500-267619-13 MS
Matrix: Water
Analysis Batch: 817118

Client Sample ID: DKC-03_20250429
Prep Type: Total/NA
Prep Batch: 816881

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Phosphorus as P	0.049	J	1.00	1.06		mg/L		101	75 - 125

Lab Sample ID: 500-267619-13 MSD
Matrix: Water
Analysis Batch: 817118

Client Sample ID: DKC-03_20250429
Prep Type: Total/NA
Prep Batch: 816881

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Phosphorus as P	0.049	J	1.00	1.11		mg/L		106	75 - 125	5	20

Method: SM 2320B - Alkalinity

Lab Sample ID: MB 500-816685/53
Matrix: Water
Analysis Batch: 816685

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	<3.7		5.0	3.7	mg/L			05/06/25 22:33	1
Bicarbonate Alkalinity as CaCO3	<3.7		5.0	3.7	mg/L			05/06/25 22:33	1
Carbonate Alkalinity as CaCO3	<3.7		5.0	3.7	mg/L			05/06/25 22:33	1

Lab Sample ID: LCS 500-816685/54
Matrix: Water
Analysis Batch: 816685

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Alkalinity	100	105		mg/L		105	95 - 121

Method: SM 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 500-816479/1
Matrix: Water
Analysis Batch: 816479

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<4.3		10	4.3	mg/L			05/06/25 02:35	1

Lab Sample ID: LCS 500-816479/2
Matrix: Water
Analysis Batch: 816479

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Dissolved Solids			250	236		mg/L		94	80 - 120		

Lab Sample ID: MB 500-816486/1
Matrix: Water
Analysis Batch: 816486

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<4.3		10	4.3	mg/L			05/06/25 04:12	1

Lab Sample ID: LCS 500-816486/2
Matrix: Water
Analysis Batch: 816486

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Dissolved Solids			250	248		mg/L		99	80 - 120		

Lab Sample ID: 500-267619-13 MS
Matrix: Water
Analysis Batch: 816486

Client Sample ID: DKC-03_20250429
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Dissolved Solids	38		250	274		mg/L		94	75 - 125		

Lab Sample ID: 500-267619-13 MSD
Matrix: Water
Analysis Batch: 816486

Client Sample ID: DKC-03_20250429
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Dissolved Solids	38		250	296		mg/L		103	75 - 125	8	20

Method: SM 2540D - Solids, Total Suspended (TSS)

Lab Sample ID: MB 500-815996/1
Matrix: Water
Analysis Batch: 815996

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	<1.9		5.0	1.9	mg/L			05/01/25 11:46	1

Method: SM 2540D - Solids, Total Suspended (TSS) (Continued)

Lab Sample ID: LCS 500-815996/2
Matrix: Water
Analysis Batch: 815996

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Suspended Solids			200	213		mg/L		106	80 - 120		

Lab Sample ID: 500-267619-13 MS
Matrix: Water
Analysis Batch: 815996

Client Sample ID: DKC-03_20250429
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Suspended Solids	23		100	110		mg/L		87	75 - 125		

Lab Sample ID: 500-267619-13 MSD
Matrix: Water
Analysis Batch: 815996

Client Sample ID: DKC-03_20250429
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Suspended Solids	23		100	119		mg/L		96	75 - 125	8	20

Lab Sample ID: 500-267619-11 DU
Matrix: Water
Analysis Batch: 815996

Client Sample ID: PTC-01_20250429
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Suspended Solids	<1.9		<1.9		mg/L		NC	5

Method: SM 4500 S2 F - Sulfide, Total

Lab Sample ID: MB 500-816290/1
Matrix: Water
Analysis Batch: 816290

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	<0.23		1.0	0.23	mg/L			05/05/25 04:11	1

Lab Sample ID: LCS 500-816290/2
Matrix: Water
Analysis Batch: 816290

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Sulfide			3.97	3.60		mg/L		91	85 - 115		

Lab Sample ID: 500-267619-13 MS
Matrix: Water
Analysis Batch: 816290

Client Sample ID: DKC-03_20250429
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Sulfide	2.1		3.97	5.83		mg/L		94	75 - 125		

Method: SM 4500 S2 F - Sulfide, Total (Continued)

Lab Sample ID: 500-267619-13 MSD
Matrix: Water
Analysis Batch: 816290

Client Sample ID: DKC-03_20250429
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfide	2.1		3.97	5.53		mg/L		87	75 - 125	5	20

Method: SM 5310C - TOC

Lab Sample ID: MB 500-816774/7
Matrix: Water
Analysis Batch: 816774

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	<0.47		1.0	0.47	mg/L			05/06/25 16:04	1

Lab Sample ID: LCS 500-816774/8
Matrix: Water
Analysis Batch: 816774

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Organic Carbon	10.0	10.6		mg/L		106	86 - 116

Lab Sample ID: 500-267619-13 MS
Matrix: Water
Analysis Batch: 816774

Client Sample ID: DKC-03_20250429
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Total Organic Carbon	9.0		10.0	20.1		mg/L		111	75 - 125

Lab Sample ID: 500-267619-13 MSD
Matrix: Water
Analysis Batch: 816774

Client Sample ID: DKC-03_20250429
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Organic Carbon	9.0		10.0	20.1		mg/L		111	75 - 125	0	20

Method: SM 5310C - Organic Carbon, Dissolved (DOC)

Lab Sample ID: MB 500-816857/30
Matrix: Water
Analysis Batch: 816857

Client Sample ID: Method Blank
Prep Type: Dissolved

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon	<0.47		1.0	0.47	mg/L			05/07/25 04:25	1

Lab Sample ID: LCS 500-816857/31
Matrix: Water
Analysis Batch: 816857

Client Sample ID: Lab Control Sample
Prep Type: Dissolved

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Dissolved Organic Carbon	10.0	10.6		mg/L		106	86 - 116

Method: SM 5310C - Organic Carbon, Dissolved (DOC) (Continued)

Lab Sample ID: 500-267619-13 MS
Matrix: Water
Analysis Batch: 816857

Client Sample ID: DKC-03_20250429
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Dissolved Organic Carbon	9.0		10.0	20.9		mg/L		119	75 - 125		

Lab Sample ID: 500-267619-13 MSD
Matrix: Water
Analysis Batch: 816857

Client Sample ID: DKC-03_20250429
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Dissolved Organic Carbon	9.0		10.0	20.9		mg/L		119	75 - 125	0	20

Lab Chronicle

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267619-1

Client Sample ID: SBW-01_20250429

Lab Sample ID: 500-267619-1

Date Collected: 04/29/25 09:50

Matrix: Water

Date Received: 05/01/25 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	1630			6960	AJD	EET SSM	05/22/25 12:50
Dissolved	Analysis	1630		1	7043	CL	EET SSM	05/23/25 17:19
Total/NA	Prep	1630			6960	AJD	EET SSM	05/22/25 12:50
Total/NA	Analysis	1630		1	7043	CL	EET SSM	05/23/25 17:09
Dissolved	Analysis	1631E		1	6819	COW	EET SSM	05/14/25 17:39
Total/NA	Analysis	1631E		1	6819	COW	EET SSM	05/14/25 16:57
Dissolved	Prep	1638			6941	V1R	EET SSM	05/21/25 13:55
Dissolved	Analysis	1638		1	6989	COW	EET SSM	05/22/25 15:39
Total Recoverable	Prep	1638			6941	V1R	EET SSM	05/21/25 13:55
Total Recoverable	Analysis	1638		1	6989	COW	EET SSM	05/22/25 16:02
Dissolved	Prep	3005A			816978	S1Z	EET CHI	05/08/25 16:22 - 05/08/25 22:22 [1]
Dissolved	Analysis	6020B		1	817410	RN	EET CHI	05/12/25 17:08
Total Recoverable	Prep	3005A			816974	S1Z	EET CHI	05/08/25 16:15 - 05/08/25 22:15 [1]
Total Recoverable	Analysis	6020B		1	817410	RN	EET CHI	05/12/25 16:41
Total Recoverable	Prep	3005A			816974	S1Z	EET CHI	05/08/25 16:15 - 05/08/25 22:15 [1]
Total Recoverable	Analysis	SM 2340B		1	817452	RN	EET CHI	05/13/25 11:09
Total/NA	Analysis	300.0		1	816052	MM	EET CHI	05/01/25 21:57
Total/NA	Analysis	300.0		1	816053	MM	EET CHI	05/01/25 21:57
Total/NA	Prep	Distill/CN			816948	AC	EET CHI	05/08/25 16:20 - 05/08/25 16:50 [1]
Total/NA	Analysis	335.4		1	817172	AC	EET CHI	05/09/25 17:00
Total/NA	Prep	Distill/Ammonia			817986	KF	EET CHI	05/16/25 11:18 - 05/16/25 12:18 [1]
Total/NA	Analysis	350.1		1	818073	KF	EET CHI	05/16/25 15:36
Total/NA	Prep	365.2/365.3/365			816881	MF	EET CHI	05/08/25 09:51 - 05/08/25 13:51 [1]
Total/NA	Analysis	365.1		1	817118	MF	EET CHI	05/09/25 12:12
Total/NA	Analysis	SM 2320B		1	816685	AC	EET CHI	05/07/25 01:14
Total/NA	Analysis	SM 2520B		1	816410	AC	EET CHI	05/05/25 14:57
Total/NA	Analysis	SM 2540C		1	816479	CLB	EET CHI	05/06/25 03:31
Total/NA	Analysis	SM 2540D		1	815996	NM	EET CHI	05/01/25 12:35 - 05/01/25 12:40 [1]
Total/NA	Analysis	SM 4500 S2 F		1	816290	CLB	EET CHI	05/05/25 04:30 - 05/05/25 04:34 [1]
Dissolved	Analysis	SM 5310C		1	816857	TR	EET CHI	05/07/25 08:42
Total/NA	Analysis	SM 5310C		1	816774	TR	EET CHI	05/06/25 21:58

Client Sample ID: SBW-01_20250429_FBLL

Lab Sample ID: 500-267619-2

Date Collected: 04/29/25 09:50

Matrix: Water

Date Received: 05/01/25 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	1631E		1	6819	COW	EET SSM	05/14/25 17:01

Lab Chronicle

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267619-1

Client Sample ID: SBD-01_20250429

Lab Sample ID: 500-267619-3

Date Collected: 04/29/25 09:15

Matrix: Water

Date Received: 05/01/25 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	1630			6960	AJD	EET SSM	05/22/25 12:50
Dissolved	Analysis	1630		1	7043	CL	EET SSM	05/23/25 17:39
Total/NA	Prep	1630			6960	AJD	EET SSM	05/22/25 12:50
Total/NA	Analysis	1630		1	7043	CL	EET SSM	05/23/25 17:29
Dissolved	Analysis	1631E		1	6819	COW	EET SSM	05/14/25 17:43
Total/NA	Analysis	1631E		1	6819	COW	EET SSM	05/14/25 17:05
Dissolved	Prep	1638			6941	V1R	EET SSM	05/21/25 13:55
Dissolved	Analysis	1638		1	6989	COW	EET SSM	05/22/25 15:43
Total Recoverable	Prep	1638			6941	V1R	EET SSM	05/21/25 13:55
Total Recoverable	Analysis	1638		1	6989	COW	EET SSM	05/22/25 16:05
Dissolved	Prep	3005A			816978	S1Z	EET CHI	05/08/25 16:22 - 05/08/25 22:22 [1]
Dissolved	Analysis	6020B		1	817410	RN	EET CHI	05/12/25 17:12
Total Recoverable	Prep	3005A			816978	S1Z	EET CHI	05/08/25 16:22 - 05/08/25 22:22 [1]
Total Recoverable	Analysis	6020B		1	817410	RN	EET CHI	05/12/25 17:10
Total Recoverable	Prep	3005A			816978	S1Z	EET CHI	05/08/25 16:22 - 05/08/25 22:22 [1]
Total Recoverable	Analysis	SM 2340B		1	817452	RN	EET CHI	05/13/25 11:10
Total/NA	Analysis	300.0		1	816052	MM	EET CHI	05/01/25 22:12
Total/NA	Analysis	300.0		1	816053	MM	EET CHI	05/01/25 22:12
Total/NA	Prep	Distill/CN			816948	AC	EET CHI	05/08/25 16:20 - 05/08/25 16:50 [1]
Total/NA	Analysis	335.4		1	817172	AC	EET CHI	05/09/25 17:00
Total/NA	Prep	Distill/Ammonia			818091	MB	EET CHI	05/17/25 10:19 - 05/17/25 11:19 [1]
Total/NA	Analysis	350.1		1	818166	MB	EET CHI	05/17/25 12:56
Total/NA	Prep	365.2/365.3/365			816881	MF	EET CHI	05/08/25 09:51 - 05/08/25 13:51 [1]
Total/NA	Analysis	365.1		1	817118	MF	EET CHI	05/09/25 12:13
Total/NA	Analysis	SM 2320B		1	816685	AC	EET CHI	05/07/25 01:23
Total/NA	Analysis	SM 2520B		1	816410	AC	EET CHI	05/05/25 14:57
Total/NA	Analysis	SM 2540C		1	816479	CLB	EET CHI	05/06/25 03:34
Total/NA	Analysis	SM 2540D		1	815996	NM	EET CHI	05/01/25 12:40 - 05/01/25 12:46 [1]
Total/NA	Analysis	SM 4500 S2 F		1	816290	CLB	EET CHI	05/05/25 04:34 - 05/05/25 04:37 [1]
Dissolved	Analysis	SM 5310C		1	816857	TR	EET CHI	05/07/25 09:15
Total/NA	Analysis	SM 5310C		1	816774	TR	EET CHI	05/06/25 22:30

Client Sample ID: SBD-01_20250429_FBLL

Lab Sample ID: 500-267619-4

Date Collected: 04/29/25 09:15

Matrix: Water

Date Received: 05/01/25 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	1631E		1	6819	COW	EET SSM	05/14/25 17:18

Lab Chronicle

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267619-1

Client Sample ID: SMW-1_20250429

Lab Sample ID: 500-267619-5

Date Collected: 04/29/25 16:40

Matrix: Water

Date Received: 05/01/25 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	1630			6960	AJD	EET SSM	05/22/25 12:50
Dissolved	Analysis	1630		1	7043	CL	EET SSM	05/23/25 18:00
Total/NA	Prep	1630			6960	AJD	EET SSM	05/22/25 12:50
Total/NA	Analysis	1630		1	7043	CL	EET SSM	05/23/25 17:49
Dissolved	Analysis	1631E		1	6819	COW	EET SSM	05/14/25 17:47
Total/NA	Analysis	1631E		1	6819	COW	EET SSM	05/14/25 17:22
Dissolved	Prep	1638			6941	V1R	EET SSM	05/21/25 13:55
Dissolved	Analysis	1638		1	6989	COW	EET SSM	05/22/25 15:47
Total Recoverable	Prep	1638			6941	V1R	EET SSM	05/21/25 13:55
Total Recoverable	Analysis	1638		1	6989	COW	EET SSM	05/22/25 16:09
Dissolved	Prep	3005A			816978	S1Z	EET CHI	05/08/25 16:22 - 05/08/25 22:22 [1]
Dissolved	Analysis	6020B		1	817410	RN	EET CHI	05/12/25 17:17
Total Recoverable	Prep	3005A			816978	S1Z	EET CHI	05/08/25 16:22 - 05/08/25 22:22 [1]
Total Recoverable	Analysis	6020B		1	817410	RN	EET CHI	05/12/25 17:15
Total Recoverable	Prep	3005A			816978	S1Z	EET CHI	05/08/25 16:22 - 05/08/25 22:22 [1]
Total Recoverable	Analysis	SM 2340B		1	817452	RN	EET CHI	05/13/25 11:10
Total/NA	Analysis	300.0		1	816052	MM	EET CHI	05/01/25 22:27
Total/NA	Analysis	300.0		1	816053	MM	EET CHI	05/01/25 22:27
Total/NA	Prep	Distill/CN			816948	AC	EET CHI	05/08/25 16:20 - 05/08/25 16:50 [1]
Total/NA	Analysis	335.4		1	817172	AC	EET CHI	05/09/25 17:02
Total/NA	Prep	Distill/Ammonia			818091	MB	EET CHI	05/17/25 10:19 - 05/17/25 11:19 [1]
Total/NA	Analysis	350.1		1	818166	MB	EET CHI	05/17/25 12:56
Total/NA	Prep	365.2/365.3/365			816881	MF	EET CHI	05/08/25 09:51 - 05/08/25 13:51 [1]
Total/NA	Analysis	365.1		1	817118	MF	EET CHI	05/09/25 12:14
Total/NA	Analysis	SM 2320B		1	816685	AC	EET CHI	05/07/25 01:31
Total/NA	Analysis	SM 2520B		1	816410	AC	EET CHI	05/05/25 14:57
Total/NA	Analysis	SM 2540C		1	816486	CLB	EET CHI	05/06/25 04:17
Total/NA	Analysis	SM 2540D		1	815996	NM	EET CHI	05/01/25 12:46 - 05/01/25 12:51 [1]
Total/NA	Analysis	SM 4500 S2 F		1	816290	CLB	EET CHI	05/05/25 04:37 - 05/05/25 04:41 [1]
Dissolved	Analysis	SM 5310C		1	816857	TR	EET CHI	05/07/25 10:52
Total/NA	Analysis	SM 5310C		1	816774	TR	EET CHI	05/06/25 23:02

Client Sample ID: SMW-1_20250429_FBLL

Lab Sample ID: 500-267619-6

Date Collected: 04/29/25 16:40

Matrix: Water

Date Received: 05/01/25 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	1631E		1	6819	COW	EET SSM	05/14/25 17:26

Lab Chronicle

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267619-1

Client Sample ID: MW-31_20250429

Lab Sample ID: 500-267619-7

Date Collected: 04/29/25 13:20
Matrix: Water
Date Received: 05/01/25 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	1630			6960	AJD	EET SSM	05/22/25 12:50
Dissolved	Analysis	1630		1	7043	CL	EET SSM	05/23/25 18:40
Total/NA	Prep	1630			6960	AJD	EET SSM	05/22/25 12:50
Total/NA	Analysis	1630		1	7043	CL	EET SSM	05/23/25 18:30
Dissolved	Analysis	1631E		1	6819	COW	EET SSM	05/14/25 17:51
Total/NA	Analysis	1631E		10	6819	COW	EET SSM	05/14/25 17:30
Dissolved	Prep	1638			6941	V1R	EET SSM	05/21/25 13:55
Dissolved	Analysis	1638		1	6989	COW	EET SSM	05/22/25 15:50
Total Recoverable	Prep	1638			6941	V1R	EET SSM	05/21/25 13:55
Total Recoverable	Analysis	1638		1	6989	COW	EET SSM	05/22/25 16:13
Dissolved	Prep	3005A			816978	S1Z	EET CHI	05/08/25 16:22 - 05/08/25 22:22 [1]
Dissolved	Analysis	6020B		1	817596	RN	EET CHI	05/13/25 15:30
Dissolved	Prep	3005A			816978	S1Z	EET CHI	05/08/25 16:22 - 05/08/25 22:22 [1]
Dissolved	Analysis	6020B		1	817410	RN	EET CHI	05/12/25 17:22
Total Recoverable	Prep	3005A			816978	S1Z	EET CHI	05/08/25 16:22 - 05/08/25 22:22 [1]
Total Recoverable	Analysis	6020B		1	817410	RN	EET CHI	05/12/25 17:20
Total Recoverable	Prep	3005A			816978	S1Z	EET CHI	05/08/25 16:22 - 05/08/25 22:22 [1]
Total Recoverable	Analysis	SM 2340B		1	817452	RN	EET CHI	05/13/25 11:10
Total/NA	Analysis	300.0		1	816052	MM	EET CHI	05/01/25 23:44
Total/NA	Analysis	300.0		1	816053	MM	EET CHI	05/01/25 23:44
Total/NA	Prep	Distill/CN			816948	AC	EET CHI	05/08/25 16:20 - 05/08/25 16:50 [1]
Total/NA	Analysis	335.4		1	817172	AC	EET CHI	05/09/25 17:04
Total/NA	Prep	Distill/Ammonia			818091	MB	EET CHI	05/17/25 10:19 - 05/17/25 11:19 [1]
Total/NA	Analysis	350.1		1	818166	MB	EET CHI	05/17/25 12:57
Total/NA	Prep	365.2/365.3/365			816881	MF	EET CHI	05/08/25 09:51 - 05/08/25 13:51 [1]
Total/NA	Analysis	365.1		1	817118	MF	EET CHI	05/09/25 12:17
Total/NA	Analysis	SM 2320B		1	816685	AC	EET CHI	05/07/25 01:40
Total/NA	Analysis	SM 2520B		1	816410	AC	EET CHI	05/05/25 14:57
Total/NA	Analysis	SM 2540C		1	816486	CLB	EET CHI	05/06/25 04:19
Total/NA	Analysis	SM 2540D		1	815996	NM	EET CHI	05/01/25 12:51 - 05/01/25 12:57 [1]
Total/NA	Analysis	SM 4500 S2 F		1	816290	CLB	EET CHI	05/05/25 04:41 - 05/05/25 04:45 [1]
Dissolved	Analysis	SM 5310C		1	816857	TR	EET CHI	05/07/25 11:24
Total/NA	Analysis	SM 5310C		1	816774	TR	EET CHI	05/06/25 23:35

Client Sample ID: MW-31_20250429_FBLL

Lab Sample ID: 500-267619-8

Date Collected: 04/29/25 13:20
Matrix: Water
Date Received: 05/01/25 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	1631E		1	6819	COW	EET SSM	05/14/25 17:34

Lab Chronicle

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267619-1

Client Sample ID: MLC-01_20250429

Lab Sample ID: 500-267619-9

Date Collected: 04/29/25 09:30

Matrix: Water

Date Received: 05/01/25 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	1630			6960	AJD	EET SSM	05/22/25 12:50
Dissolved	Analysis	1630		1	7043	CL	EET SSM	05/23/25 19:01
Total/NA	Prep	1630			6960	AJD	EET SSM	05/22/25 12:50
Total/NA	Analysis	1630		1	7043	CL	EET SSM	05/23/25 18:51
Dissolved	Analysis	1631E		1	6830	COW	EET SSM	05/15/25 12:28
Total/NA	Analysis	1631E		1	6830	COW	EET SSM	05/15/25 12:24
Dissolved	Prep	1638			6941	V1R	EET SSM	05/21/25 13:55
Dissolved	Analysis	1638		1	6989	COW	EET SSM	05/22/25 15:54
Total Recoverable	Prep	1638			6941	V1R	EET SSM	05/21/25 13:55
Total Recoverable	Analysis	1638		1	6989	COW	EET SSM	05/22/25 16:24
Dissolved	Prep	3005A			816978	S1Z	EET CHI	05/08/25 16:22 - 05/08/25 22:22 [1]
Dissolved	Analysis	6020B		1	817410	RN	EET CHI	05/12/25 17:32
Total Recoverable	Prep	3005A			816978	S1Z	EET CHI	05/08/25 16:22 - 05/08/25 22:22 [1]
Total Recoverable	Analysis	6020B		1	817410	RN	EET CHI	05/12/25 17:29
Total Recoverable	Prep	3005A			816978	S1Z	EET CHI	05/08/25 16:22 - 05/08/25 22:22 [1]
Total Recoverable	Analysis	SM 2340B		1	817452	RN	EET CHI	05/13/25 11:10
Total/NA	Analysis	300.0		1	816052	MM	EET CHI	05/01/25 23:59
Total/NA	Analysis	300.0		1	816053	MM	EET CHI	05/01/25 23:59
Total/NA	Prep	Distill/CN			816948	AC	EET CHI	05/08/25 16:20 - 05/08/25 16:50 [1]
Total/NA	Analysis	335.4		1	817172	AC	EET CHI	05/09/25 17:04
Total/NA	Prep	Distill/Ammonia			818091	MB	EET CHI	05/17/25 10:19 - 05/17/25 11:19 [1]
Total/NA	Analysis	350.1		1	818166	MB	EET CHI	05/17/25 12:57
Total/NA	Prep	365.2/365.3/365			816881	MF	EET CHI	05/08/25 09:51 - 05/08/25 13:51 [1]
Total/NA	Analysis	365.1		1	817118	MF	EET CHI	05/09/25 12:18
Total/NA	Analysis	SM 2320B		1	816685	AC	EET CHI	05/07/25 01:50
Total/NA	Analysis	SM 2520B		1	816410	AC	EET CHI	05/05/25 14:57
Total/NA	Analysis	SM 2540C		1	816486	CLB	EET CHI	05/06/25 04:22
Total/NA	Analysis	SM 2540D		1	815996	NM	EET CHI	05/01/25 12:57 - 05/01/25 13:02 [1]
Total/NA	Analysis	SM 4500 S2 F		1	816290	CLB	EET CHI	05/05/25 04:45 - 05/05/25 04:49 [1]
Dissolved	Analysis	SM 5310C		1	816857	TR	EET CHI	05/07/25 11:56
Total/NA	Analysis	SM 5310C		1	816774	TR	EET CHI	05/07/25 00:07

Client Sample ID: MLC-01_20250429_FBLL

Lab Sample ID: 500-267619-10

Date Collected: 04/29/25 09:30

Matrix: Water

Date Received: 05/01/25 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	1631E		1	6830	COW	EET SSM	05/15/25 12:32

Lab Chronicle

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267619-1

Client Sample ID: PTC-01_20250429

Lab Sample ID: 500-267619-11

Date Collected: 04/29/25 14:30

Matrix: Water

Date Received: 05/01/25 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	1630			6960	AJD	EET SSM	05/22/25 12:50
Dissolved	Analysis	1630		1	7043	CL	EET SSM	05/23/25 19:21
Total/NA	Prep	1630			6960	AJD	EET SSM	05/22/25 12:50
Total/NA	Analysis	1630		1	7043	CL	EET SSM	05/23/25 19:11
Dissolved	Analysis	1631E		1	6830	COW	EET SSM	05/15/25 12:40
Total/NA	Analysis	1631E		1	6830	COW	EET SSM	05/15/25 12:36
Dissolved	Prep	1638			6941	V1R	EET SSM	05/21/25 13:55
Dissolved	Analysis	1638		1	6989	COW	EET SSM	05/22/25 15:58
Total Recoverable	Prep	1638			6941	V1R	EET SSM	05/21/25 13:55
Total Recoverable	Analysis	1638		1	6989	COW	EET SSM	05/22/25 16:28
Dissolved	Prep	3005A			816978	S1Z	EET CHI	05/08/25 16:22 - 05/08/25 22:22 [1]
Dissolved	Analysis	6020B		1	817410	RN	EET CHI	05/12/25 17:37
Total Recoverable	Prep	3005A			816978	S1Z	EET CHI	05/08/25 16:22 - 05/08/25 22:22 [1]
Total Recoverable	Analysis	6020B		1	817410	RN	EET CHI	05/12/25 17:34
Total Recoverable	Prep	3005A			816978	S1Z	EET CHI	05/08/25 16:22 - 05/08/25 22:22 [1]
Total Recoverable	Analysis	SM 2340B		1	817452	RN	EET CHI	05/13/25 11:10
Total/NA	Analysis	300.0		1	816052	MM	EET CHI	05/02/25 00:45
Total/NA	Analysis	300.0		1	816053	MM	EET CHI	05/02/25 00:45
Total/NA	Prep	Distill/CN			816948	AC	EET CHI	05/08/25 16:20 - 05/08/25 16:50 [1]
Total/NA	Analysis	335.4		1	817172	AC	EET CHI	05/09/25 17:05
Total/NA	Prep	Distill/Ammonia			818091	MB	EET CHI	05/17/25 10:19 - 05/17/25 11:19 [1]
Total/NA	Analysis	350.1		1	818166	MB	EET CHI	05/17/25 12:57
Total/NA	Prep	365.2/365.3/365			816881	MF	EET CHI	05/08/25 09:51 - 05/08/25 13:51 [1]
Total/NA	Analysis	365.1		1	817118	MF	EET CHI	05/09/25 12:19
Total/NA	Analysis	SM 2320B		1	816685	AC	EET CHI	05/07/25 01:58
Total/NA	Analysis	SM 2520B		1	816410	AC	EET CHI	05/05/25 14:57
Total/NA	Analysis	SM 2540C		1	816486	CLB	EET CHI	05/06/25 04:24
Total/NA	Analysis	SM 2540D		1	815996	NM	EET CHI	05/01/25 13:02 - 05/01/25 13:08 [1]
Total/NA	Analysis	SM 4500 S2 F		1	816290	CLB	EET CHI	05/05/25 04:49 - 05/05/25 04:53 [1]
Dissolved	Analysis	SM 5310C		1	816857	TR	EET CHI	05/07/25 12:28
Total/NA	Analysis	SM 5310C		1	816774	TR	EET CHI	05/07/25 00:39

Client Sample ID: PTC-01_20250429_FBLL

Lab Sample ID: 500-267619-12

Date Collected: 04/29/25 14:30

Matrix: Water

Date Received: 05/01/25 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	1631E		1	6830	COW	EET SSM	05/15/25 12:45

Client Sample ID: DKC-03_20250429

Lab Sample ID: 500-267619-13

Date Collected: 04/29/25 11:00

Matrix: Water

Date Received: 05/01/25 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	1630			7302	AJD	EET SSM	06/11/25 08:48
Dissolved	Analysis	1630		1	7378	COW	EET SSM	06/12/25 15:59
Total/NA	Prep	1630			7302	AJD	EET SSM	06/11/25 08:48
Total/NA	Analysis	1630		1	7378	COW	EET SSM	06/12/25 15:28
Dissolved	Analysis	1631E		1	6929	CL	EET SSM	05/20/25 14:12
Total/NA	Analysis	1631E		1	6929	CL	EET SSM	05/20/25 14:08
Dissolved	Prep	1638			6941	V1R	EET SSM	05/21/25 13:55
Dissolved	Analysis	1638		1	6989	COW	EET SSM	05/22/25 15:09
Total Recoverable	Prep	1638			6941	V1R	EET SSM	05/21/25 13:55
Total Recoverable	Analysis	1638		1	6989	COW	EET SSM	05/22/25 15:20
Dissolved	Prep	3005A			816979	S1Z	EET CHI	05/08/25 16:26 - 05/08/25 22:26 [1]
Dissolved	Analysis	6020B		1	817596	RN	EET CHI	05/13/25 15:49
Dissolved	Prep	3005A			816979	S1Z	EET CHI	05/08/25 16:26 - 05/08/25 22:26 [1]
Dissolved	Analysis	6020B		1	817764	RN	EET CHI	05/14/25 14:26
Dissolved	Prep	3005A			816979	S1Z	EET CHI	05/08/25 16:26 - 05/08/25 22:26 [1]
Dissolved	Analysis	6020B		1	817408	RN	EET CHI	05/12/25 16:10
Total Recoverable	Prep	3005A			816978	S1Z	EET CHI	05/08/25 16:22 - 05/08/25 22:22 [1]
Total Recoverable	Analysis	6020B		1	817410	RN	EET CHI	05/12/25 17:39
Total Recoverable	Prep	3005A			816978	S1Z	EET CHI	05/08/25 16:22 - 05/08/25 22:22 [1]
Total Recoverable	Analysis	SM 2340B		1	817452	RN	EET CHI	05/13/25 11:09
Total/NA	Analysis	300.0		1	816052	MM	EET CHI	05/02/25 01:00
Total/NA	Analysis	300.0		1	816053	MM	EET CHI	05/02/25 01:00
Total/NA	Prep	Distill/CN			816948	AC	EET CHI	05/08/25 16:20 - 05/08/25 16:50 [1]
Total/NA	Analysis	335.4		1	817172	AC	EET CHI	05/09/25 17:06
Total/NA	Prep	Distill/Ammonia			818091	MB	EET CHI	05/17/25 10:19 - 05/17/25 11:19 [1]
Total/NA	Analysis	350.1		1	818166	MB	EET CHI	05/17/25 12:58
Total/NA	Prep	365.2/365.3/365			816881	MF	EET CHI	05/08/25 09:51 - 05/08/25 13:51 [1]
Total/NA	Analysis	365.1		1	817118	MF	EET CHI	05/09/25 12:20
Total/NA	Analysis	SM 2320B		1	816685	AC	EET CHI	05/07/25 02:06
Total/NA	Analysis	SM 2520B		1	816410	AC	EET CHI	05/05/25 14:57
Total/NA	Analysis	SM 2540C		1	816486	CLB	EET CHI	05/06/25 04:27
Total/NA	Analysis	SM 2540D		1	815996	NM	EET CHI	05/01/25 13:13 - 05/01/25 13:19 [1]
Total/NA	Analysis	SM 4500 S2 F		1	816290	CLB	EET CHI	05/05/25 04:53 - 05/05/25 04:57 [1]
Dissolved	Analysis	SM 5310C		1	816857	TR	EET CHI	05/07/25 07:06
Total/NA	Analysis	SM 5310C		1	816774	TR	EET CHI	05/06/25 19:17

Client Sample ID: DKC-03_20250429_FBLL

Lab Sample ID: 500-267619-14

Date Collected: 04/29/25 11:00

Matrix: Water

Date Received: 05/01/25 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	1631E		1	6929	CL	EET SSM	05/20/25 14:20

[1] This procedure uses a method stipulated length of time for the process. Both start and end times are displayed.

Lab Chronicle

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267619-1

Laboratory References:

EET CHI = Eurofins Chicago, 18410 Crossing Drive, Suite E, Tinley Park, IL 60487, TEL (708)534-5200

EET SSM = Eurofins Seattle Specialty Metals, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

Accreditation/Certification Summary

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267619-1

Laboratory: Eurofins Chicago

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Georgia	State	N/A	05-31-25
Georgia (DW)	State	939	05-31-25
Hawaii	State	NA	05-31-25
Illinois	NELAP	100201	05-31-26
Indiana	State	C-IL-02	05-31-26
Iowa	State	082	05-01-26
Kansas	NELAP	E-10161	10-31-25
Kentucky (UST)	State	AI # 108083	05-31-26
Kentucky (WW)	State	KY90023	12-31-24 *
Louisiana (All)	NELAP	02046	06-30-25
Mississippi	State	NA	05-31-25
North Carolina (WW/SW)	State	291	05-25-25
North Dakota	State	R-194	04-29-24 *
Oklahoma	State	8908	08-31-25
South Carolina	State	77001003	05-26-25
USDA	US Federal Programs	P330-18-00018	03-30-26
Wisconsin	State	399172840	08-31-25
Wyoming	State	8TMS-Q	05-31-25

Laboratory: Eurofins Seattle Specialty Metals

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	20-004	02-19-27
ANAB	Dept. of Defense ELAP	L2236	01-19-27
ANAB	Dept. of Energy	L2236.01	01-19-27
ANAB	ISO/IEC 17025	L2236	01-19-27
California	State	2954	07-08-26
Florida	NELAP	E87575	06-30-25
Louisiana (All)	NELAP	03073	06-30-25
Maine	State	WA01273	05-02-26
New Jersey	NELAP	WA014	06-30-25
New York	NELAP	11662	04-01-26
Oregon	NELAP	4167-008	07-07-25
US Fish & Wildlife	US Federal Programs	A20571	06-30-25
USDA	US Federal Programs	525-23-4-22573	01-24-28
Washington	State	C788-23a	07-13-25
Wisconsin	State	399133460	07-31-25

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Eurofins Chicago
18410 Crossing Drive, Suite E
Tinley Park, IL 60487
Phone (708) 534-5200 Phone (262) 202-5955

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: ELLEN COPPERNOLL	Lab PM: Fredrick, Sandie	Carrier Tracking No(s): 4523 1805 8107	COC No.: 500-135006-50241 5
Client Contact: Amanda Zeidler	Phone: 517-513-2249	E-Mail: Sandra Fredrick@et eurofinsus com	State of Origin: Michigan	Page: Page 1 of 1
Company: White Pine Copper LLC	PWSID:			Job #: 500-267619

Address: 35362 Mall Circle Drive	Due Date Requested	Analysis Requested
City: White Pine	TAT Requested (days): 10 days	
State, Zip: MI, 49971	Compliance Project: Δ Yes Δ No	
Phone: 906-204-6500	PO #: Purchase Order not required	
Email: AZeidler@whitepinecu com	WO #:	
Project Name: White Pines, MI	Project #: 50023455	
Site: White Pine North Baseline Sampling	SSOW#:	

Preservation Codes:
S - H2SO4
N - None
CB ZnAcetate
B NaOH
D HNO3
A HCL

500-267619 COC

Other:

	Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	350.1 Ammonia, 365.1 Phos	2320B, 2540C, 2540D, 300.0_28D, 300_48HR, SM2520_B	SM4500_S2_F - Sulfide, Total	335.4 - Cyanide, Total	SM5310_DOC_C - Organic Carbon, Dissolved (DOC) - tripli	6020B, SM2340B Total Metals / Hardness	1638 - Uranium only (ICP/MS)	1631E - Mercury, Low Level (CVAFS)	1630_ME - Methyl Mercury	6020B - Dissolved Metals (ICP/MS) - 27 elements	1638 - Dissolved Uranium only (ICP/MS) (field filtered)	1631E - Dissolved Mercury, Low Level (CVAFS) (filtered)	1630_ME - Dissolved Methyl Mercury (field filtered)	5310C - TOC	Total Number of containers	Special Instructions/Note:
				Preservation Code:				S	N	CB	B	S	D	D	N	A	D	D	N	A	S		
1	SBW-01_20250429	4 29 25	09150	G	Water	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	22	
2	SBW-01_20250429_FBLL	4-29-25	09150	G	Water										X							2	
3	SBD-01_20250429	4-29-25	09:15	G	Water	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	22	
4	SBD-01_20250429_FBLL	4-29-25	09.15	G	Water										X							2	
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested I, II, III, IV, Other (specify)

Special Instructions/QC Requirements MDLs must meet Michigan requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment: FEDEX PRIORITY OVERNIGHT

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1	Elliott	4-30-25/09:00	MSG	4523 1805 8107	4-30-25/12:00	Fedex
2	Relinquished by:	Date/Time	Company	Received by: Stephanie Hammond	Date/Time: 5/1/25 1000	Company: EEA
3	Relinquished by:	Date/Time	Company	Received by:	Date/Time:	Company

Custody Seals Intact. Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks: 4.8+5.1, 4.5+4.8, 3.0+3.3, 0.4+1.0 1.1+1.7

Eurofins Chicago
18410 Crossing Drive, Suite E
Tinley Park, IL 60487
Phone (708) 534-5200 Phone (262) 202-5955

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: ELLEN CAPPEZNOLL	Lab PM: Fredrick, Sandie	Carrier Tracking No(s): 4523 1805 8060	COC No: 500-135006-50241 9
Client Contact: Amanda Zeidler	Phone: 517-513-2249	E-Mail: Sandra Fredrick@et eurofinsus com	State of Origin: Michigan	Page: Page 1 of 1
Company: White Pine Copper LLC	PWSID:			Job #: 500-267619
Address: 35362 Mall Circle Drive	Due Date Requested:			
City: White Pine	TAT Requested (days): 10 days			
State, Zip: MI, 49971	Compliance Project: Δ Yes Δ No			
Phone: 906-204-6500	PO #: Purchase Order not required			
Email: AZeidler@whitepinecu com	WO #:			
Project Name: White Pines, MI	Project #: 50023455			
Site: White Pine North Baseline Sampling	SSOW#:			

Analysis Requested

Preservation Codes:
S H2SO4
N None
CB ZnAcetate/NaOH
B NaOH
D HNO3
A - HCL
Other:

	Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	350.1 Ammonia, 365.1 Phos	2320B, 2540C, 2540D, 300.0_28D, 300_48HR, SM2520_B	SM4500_S2_F - Sulfide, Total	335.4 - Cyanide, Total	SM5310_DOC_C - Organic Carbon, Dissolved (DOC) - tripli	6020B, SM2340B Total Metals / Hardness	1638 - Uranium only (ICP/MS)	1631E - Mercury, Low Level (CVAFS)	1630_ME - Methyl Mercury	6020B - Dissolved Metals (ICP/MS) - 27 elements	1638 - Dissolved Uranium only (ICP/MS) (field filtered)	1631E - Dissolved Mercury, Low Level (CVAFS) (filtered)	1630_ME - Dissolved Methyl Mercury (field filtered)	5310C - TOC	Total Number of containers	Special Instructions/Note:
				Preservation Code:				S	N	CB	B	S	D	D	N	A	D	D	N	A	S		
5	SMW-1-20250429	4-29-25	16:40	G	Water	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	22	
6	SMW-1-20250429-FBL	4-29-25	16.40	G	Water										X							2	
7	MW-31-20250429	4-29-25	13:20	G	Water	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	22	
8	MW-31-20250429-FBL	4-29-25	13:20	G	Water										X							2	
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		

Possible Hazard Identification
[X] Non-Hazard [ ] Flammable [ ] Skin Irritant [ ] Poison B [ ] Unknown [ ] Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
[ ] Return To Client [X] Disposal By Lab [ ] Archive For _____ Months

Deliverable Requested: I, [II], III, IV, Other (specify)

Special Instructions/QC Requirements: MDLs must meet Michigan requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment: FEDEX PRIORITY OVERNIGHT

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1	Ellen	4-30-25 / 09:00	MSG	4523 1805 8060	4-30-25 / 12:00	Fedex
2				Stephanie Hammond	5/1/25 1000	EETA
3						

Custody Seals Intact: Δ Yes Δ No
Custody Seal No:
Cooler Temperature(s) °C and Other Remarks:

Eurofins Chicago
18410 Crossing Drive, Suite E
Tinley Park, IL 60487
Phone (708) 534-5200 Phone (262) 202-5955

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Jacob Dean	Lab PM: Fredrick, Sandie	Carrier Tracking No(s): 4523 1805 8070	COC No: 500-135006-50241 6
Client Contact: Amanda Zeidler	Phone: 906 . 487 . 7454	E-Mail: Sandra Fredrick@et eurofinsus com	State of Origin: Michigan	Page: Page 1 of 1
Company: White Pine Copper LLC	PWSID:	Analysis Requested		Job #: 500-207019
Address: 35362 Mall Circle Drive	Due Date Requested:			Preservation Codes: S H2SO4, N None, CB ZnAcetate/NaOH, B NaOH, D HNO3, A HCL
City: White Pine	TAT Requested (days): 10 days			
State Zip: MI, 49971	Compliance Project: Δ Yes Δ No			
Phone: 906-204-6500	PO #: Purchase Order not required			
Email: AZeidler@whitepinecu com	WO #:			
Project Name: White Pines, MI	Project #: 50023455			
Site: White Pine North Baseline Sampling	SSOW#:			Other:

	Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	350.1 Ammonia, 365.1 Phos	2320B, 2540C, 2540D, 300.0_28D, 300_48HR, SM2520_B	SM4500_S2_F - Sulfide, Total	335.4 - Cyanide, Total	SM5310_DOC_C - Organic Carbon, Dissolved (DOC) - tripli	6020B, SM2340B Total Metals / Hardness	1638 - Uranium only (ICP/MS)	1631E - Mercury, Low Level (CVAFS)	1630_ME - Methyl Mercury	6020B - Dissolved Metals (ICP/MS) - 27 elements	1638 - Dissolved Uranium only (ICP/MS) (field filtered)	1631E - Dissolved Mercury, Low Level (CVAFS) (filtered)	1630_ME - Dissolved Methyl Mercury (field filtered)	5310C - TOC	Total Number of containers	Special Instructions/Note:
	Preservation Code:							S	N	CB	B	S	D	D	N	A	D	D	N	A	S	
9	MLC-01_20250429	4.29.25	9:30	6	Water	X	N	X	X	X	X	X	X	X	X	X	X	X	X	X	X	22	
10	MLC-01_20250429_FBLL	4.2925	9:30	6	Water	N	N								X							2	
11	PTC-01_20250429	4.29.25	14:30	6	Water	Y	N	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
12	PTC-01_2025 0429_FBLL	4-29.25	14:30	6	Water	N	N								X								
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested I, ☒ II, III, IV, Other (specify)

Special Instructions/QC Requirements MDLs must meet Michigan requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment:

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
	Jacob Dean	4.30.25	MSG	FedEx Trk 4523 1805 8070		
	Relinquished by:	Date/Time:	Company	Received by: Stephanie Hemanes	5/1/25 1000	EEA
	Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company

Custody Seals Intact Δ Yes Δ No | Custody Seal No | Cooler Temperature(s) °C and Other Remarks

Eurofins Chicago
18410 Crossing Drive, Suite E
Tinley Park, IL 60487
Phone (708) 534-5200 Phone (262) 202-5955

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Jacob Dean	Lab PM: Fredrick, Sandie	Carrier Tracking No(s): 452318058081 / 452318058092	COC No: 500-135006-50241 7
Client Contact: Amanda Zeidler	Phone: 906-487-7454	E-Mail: Sandra Fredrick@et.eurofinsus com	State of Origin: Michigan	Page: Page 1 of 1
Company: White Pine Copper LLC	PWSID:			Job #: EDD-267619
Address: 35362 Mall Circle Drive	Due Date Requested:			
City: White Pine	TAT Requested (days): 10 days			
State, Zip: MI, 49971	Compliance Project: Δ Yes Δ No			
Phone: 906-204-6500	PO #: Purchase Order not required			
Email: AZeidler@whitepinecu com	WO #:			
Project Name: White Pines, MI	Project #: 50023455			
Site: White Pine North Baseline Sampling	SSOW#:			

Analysis Requested

Preservation Codes:
S - H2SO4
N - None
CB - ZnAcetate/NaOH
B - NaOH
D - HNO3
A - HCL
Other:

	Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	350.1 Ammonia, 365.1 Phos	2320B, 2540C, 2540D, 300.0_28D, 300_48HR, SM2520_B	SM4500_S2_F - Sulfide, Total	335.4 - Cyanide, Total	SM5310_DOC_C - Organic Carbon, Dissolved (DOC) - tripli	6020B, SM2340B Total Metals / Hardness	1638 - Uranium only (ICP/MS)	1631E - Mercury, Low Level (CVAFS)	1630_ME - Methyl Mercury	6020B - Dissolved Metals (ICP/MS) - 27 elements	1638 - Dissolved Uranium only (ICP/MS) (field filtered)	1631E - Dissolved Mercury, Low Level (CVAFS) (filtered)	1630_ME - Dissolved Methyl Mercury (field filtered)	5310C - TOC	Total Number of containers	Special Instructions/Note:
	Preservation Code:					X	X	S	N	CB	B	S	D	D	N	A	D	D	N	A	S		
13	DKC-03_20250429	4.29.25	11:00	G	Water	Y	Y	X	X	X	X	X	X	X	X	X	X	X	X	X	X	66	MS/MSD
14	DKC-03_20250429_FBLK	4.29.25	11:00	G	Water	N	Y								X							6	MS/MSD
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested I, II, III, IV, Other (specify)

Special Instructions/QC Requirements. MDLs must meet Michigan requirements

Empty Kit Relinquished by:	Date	Time	Method of Shipment: FEDEX PRIORITY OVERNIGHT

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Jacob Dean	4.30.25 / 09:00	MSG	Fed Ex Trk 4523 1805 8081 and 4523 1805 8092	4-30-25 / 12:00	Fedex
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by: Stephenie Hennel	Date/Time: 5/1/25 1000	Company EEA

Custody Seals Intact: Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks.

Eurofins Chicago
18410 Crossing Drive, Suite E
Tinley Park, IL 60487
Phone (708) 534-5200 Phone (262) 202-5955

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Jacob Dean	Lab PM: Fredrick, Sandie	Carrier Tracking No(s): 452318058081 / 452318058092	COC No: 500-135006-50241 7
Client Contact: Amanda Zeidler	Phone: 906-487-7454	E-Mail: Sandra Fredrick@et eurofinsus com	State of Origin: Michigan	Page: Page 1 of 1
Company: White Pine Copper LLC	PWSID:			Job #: 500-247609
Address: 35362 Mall Circle Drive	Due Date Requested:			
City: White Pine	TAT Requested (days): 10 days			
State, Zip: MI, 49971	Compliance Project: Δ Yes Δ No			
Phone: 906-204-6500	PO #: Purchase Order not required			
Email: AZeidler@whitepinecu com	WO #:			
Project Name: White Pines, MI	Project #: 50023455			
Site: White Pine North Baseline Sampling	SSOW#:			

Analysis Requested

Preservation Codes: S H2SO4; N None; CB ZnAcetate/NaOH; B NaOH; D HNO3; A HCL; Other:

	Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	350.1 Ammonia, 365.1 Phos	2320B, 2540C, 2540D, 300.0_28D, 300_48HR, SM2520_B	SM4500_S2_F - Sulfide, Total	335.4 - Cyanide, Total	SM5310_DOC_C - Organic Carbon, Dissolved (DOC) - tripli	6020B, SM2340B Total Metals / Hardness	1638 - Uranium only (ICP/MS)	1631E - Mercury, Low Level (CVAFS)	1630_ME - Methyl Mercury	6020B - Dissolved Metals (ICP/MS) - 27 elements	1638 - Dissolved Uranium only (ICP/MS) (field filtered)	1631E - Dissolved Mercury, Low Level (CVAFS) (filtered)	1630_ME - Dissolved Methyl Mercury (field filtered)	5310C - TOC	Total Number of containers	Special Instructions/Note:
				Preservation Code:				S	N	CB	B	S	D	D	N	A	D	D	N	A	S		
13	DKC-03_20250429	4.29.25	11:00	G	Water	Y	Y	X	X	X	X	X	X	X	X	X	X	X	X	X	X	66	MS/MSD
14	DKC-03_20250429_FBLC	4.29.25	11:00	G	Water	N	Y								X							6	MS/MSD
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested I, II, III, IV, Other (specify)

Special Instructions/QC Requirements: MDLs must meet Michigan requirements.

Empty Kit Relinquished by	Date	Time	Method of Shipment: FEDEX PRIORITY OVERNIGHT
Relinquished by: Jacob Dean	Date/Time: 4.30.25 / 09:00	Company: MSG	Received by: Fed Ex Trk 4523 1805 8081 and 4523 1805 8092
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time: 4-30-25 / 12:00	Company: Fedex
Relinquished by:	Date/Time:	Company:	Received by: Stephanie Heel	Date/Time: 5/1/25 1000	Company: EEA

Custody Seals Intact: Δ Yes Δ No | Custody Seal No:

Cooler Temperature(s) °C and Other Remarks:





500-267619 Waybi


THE MANNIK & SMITH GROUP
616 SHELDEN AVE
SUITE 210
HOUGHTON, MI 49931
UNITED STATES US
CAD: 0780307/CAFE3855
TO SAMPLE RECEIPT
EUROFINS
18410 CROSSING DRIVE
SUITE E
TINLEY PARK IL 60487
(708) 534-5200
REF:
INV:
PO:
DEPT:
RMA:
FedEx Express
THU - 01 MAY AA
PRIORITY OVERNIGHT
TRK# 0221 4523 1805 8107
60487
IL-US
ORD
79 JOTA


THE MANNIK & SMITH GROUP
616 SHELDEN AVE
SUITE 210
HOUGHTON, MI 49931
UNITED STATES US
CAD: 0780307/CAFE3855
TO SAMPLE RECEIPT
EUROFINS
18410 CROSSING DRIVE
SUITE E
TINLEY PARK IL 60487
(708) 534-5200
REF:
INV:
PO:
DEPT:
RMA:
FedEx Express
THU - 01 MAY AA
PRIORITY OVERNIGHT
TRK# 0221 4523 1805 8060
60487
IL-US
ORD
79 JOTA
S025547 30Apr2025 CMXA 581G2/4ACC/5FE5


JED CHRISTENSEN
THE MANNIK & SMITH GROUP
616 SHELDEN AVE
SUITE 210
HOUGHTON, MI 49931
UNITED STATES US
CAD: 0780307/CAFE3855
TO SAMPLE RECEIPT
EUROFINS
18410 CROSSING DRIVE
SUITE E
TINLEY PARK IL 60487
(708) 534-5200
INV:
PO:
REF:
DEPT:
RMA.
FedEx
Express
TRK# 4523 1805 8081
0221
RETURNS MON-SAT
PRIORITY OVERNIGHT
4523 1805 8081
THU - 01 MAY AA
PRIORITY OVERNIGHT
79 JOTA
60487
IL-US
ORD
5025547 30Apr2025 CMXA

Eurofins Chicago
18410 Crossing Drive Suite E
Tinley Park, IL 60487
Phone: 708-534-5200 Fax: 708-534-5211

Chain of Custody Record

eurofins | Environment Testing

6/13/2025

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Fredrick, Sandie	Carrier Tracking No(s): N/A	COC No: 500-200199.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Sandra.Fredrick@et.eurofinsus.com	State of Origin: Michigan	Page: Page 1 of 2
Company: Eurofins Environment Testing Northwest L		Accreditations Required (See note): N/A		Job #: 500-267619-1
Address: 5755 8th Street East,	Due Date Requested: 5/21/2025			
City: Tacoma	TAT Requested (days): N/A			
State, Zip: WA, 98424				
Phone: 253-922-2310(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: White Pines, MI	Project #: 50023455			
Site: N/A	SSOW#: N/A			

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	1638/1638_Prep_W Uranium only (ICP/MS)	1631E/ Mercury, Low Level (CVAFS)	1630_ME/1630_Dist_PFP Methyl Mercury	1638/FIELD_FLTRD Dissolved Uranium only (ICP/MS) (field f	1631E/FIELD_FLTRD Dissolved Mercury, Low Level (CVAFS) (fi	1630_ME/FIELD_FLTRD Dissolved Methyl Mercury (field filtered	Total	Special Instructions/Note:
Preservation Code:														
SBW-01_20250429 (500-267619-1)	4/29/25	09:50 Eastern	G	Water			X	X	X	X	X	X	8	
SBW-01_20250429_FBLL (500-267619-2)	4/29/25	09:50 Eastern	G	Water				X					2	
SBD-01_20250429 (500-267619-3)	4/29/25	09:15 Eastern	G	Water			X	X	X	X	X	X	8	
SBD-01_20250429_FBLL (500-267619-4)	4/29/25	09:15 Eastern	G	Water				X					2	
SMW-1_20250429 (500-267619-5)	4/29/25	16:40 Eastern	G	Water			X	X	X	X	X	X	7	
SMW-1_20250429_FBLL (500-267619-6)	4/29/25	16:40 Eastern	G	Water				X					2	
MW-31_20250429 (500-267619-7)	4/29/25	13:20 Eastern	G	Water			X	X	X	X	X	X	8	
MW-31_20250429_FBLL (500-267619-8)	4/29/25	13:20 Eastern	G	Water				X					2	
MLC-01_20250429 (500-267619-9)	4/29/25	09:30 Eastern	G	Water			X	X	X	X	X	X	8	

Therm. ID: SC0 4 Cust. Seal: (Y) / N
Uncorr./Corr. Temp: 0.3 / 0.0 °C
Delivery: UPS / FedEx / Other: ____
Ice Type: Blue / Dry / Wet / None
Label Ver.: 1 Packing: B

Therm. ID: SC0__ Cust. Seal: (Y) / N
Uncorr./Corr. Temp: 17.4 / 17.3 °C
Delivery: UPS / FedEx / Other: ____
Ice Type: Blue / Dry / Wet / None
Label Ver.: 1 Packing: 3

Therm. ID: SC0 2 Cust. Seal: (Y) / N
Uncorr./Corr. Temp: 9.8 / 10.6 °C
Delivery: UPS / FedEx / Other: ____
Ice Type: Blue / Dry / Wet / None
Label Ver.: ____ Packing: 3

Note: Since laboratory accreditations are subject to change, Eurofins Chicago places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Chicago laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Chicago.

Possible Hazard Identification: Unconfirmed 4468 9405 6744	Sample Disposal (A fee may be assessed if samples ☐ Return To Client ☐ Disposal By Lab Archive For: ____ Months (than 1 month)
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	5/1/25 1630	EGTA		5/2/25 9:30	EGLN
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 10/10/2024

Eurofins Chicago
18410 Crossing Drive Suite E
Tinley Park, IL 60487
Phone: 708-534-5200 Fax: 708-534-5211

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Fredrick, Sandie	Carrier Tracking No(s): N/A	COC No: 500-200199.2
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Sandra.Fredrick@et.eurofinsus.com	State of Origin: Michigan	Page: Page 2 of 2
Company: Eurofins Environment Testing Northwest L		Accreditations Required (See note): N/A		Job #: 500-267619-1
Address: 5755 8th Street East, ,	Due Date Requested: 5/21/2025			Preservation Codes: -
City: Tacoma	TAT Requested (days): N/A			
State, Zip: WA, 98424				
Phone: 253-922-2310(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: White Pines, MI	Project #: 50023455			
Site: N/A	SSOW#: N/A			Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	1638/1638_Prep_W Uranium only (ICP/MS)	1631E/ Mercury, Low Level (CVAFS)	1630_ME/1630_Dist_PFP Methyl Mercury	1638/FIELD_FLTRD Dissolved Uranium only (ICP/MS) (field f	1631E/FIELD_FLTRD Dissolved Mercury, Low Level (CVAFS) (fi	1630_ME/FIELD_FLTRD Dissolved Methyl Mercury (field filtered	Total Number of containers	Special Instructions/Note:
			Preservation Code:											
MLC-01_20250429_FBLL (500-267619-10)	4/29/25	09:30 Eastern	G	Water				X					2	
PTC-01_20250429 (500-267619-11)	4/29/25	14:30 Eastern	G	Water			X	X	X	X	X	X	8	
PTC-01_20250429_FBLL (500-267619-12)	4/29/25	14:30 Eastern	G	Water				X					2	
DKC-03_20250429 (500-267619-13)	4/29/25	11:00 Eastern	G	Water			X	X	X	X	X	X	8	
DKC-03_20250429 (500-267619-13MS)	4/29/25	11:00 Eastern	G	Water			X	X	X	X	X	X	8	
DKC-03_20250429 (500-267619-13MSD)	4/29/25	11:00 Eastern	G	Water			X	X	X	X	X	X	8	
DKC-03_20250429_FBLL (500-267619-14)	4/29/25	11:00 Eastern	G	Water				X					2	
DKC-03_20250429_FBLL (500-267619-14MS)	4/29/25	11:00 Eastern	G	Water				X					2	
DKC-03_20250429_FBLL (500-267619-14MSD)	4/29/25	11:00 Eastern	G	Water				X					2	

Note: Since laboratory accreditations are subject to change, Eurofins Chicago places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Chicago laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Chicago attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Chicago.

Possible Hazard Identification *Unconfirmed*	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*** ☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:
Empty Kit Relinquished by:	Date: Time: Method of Shipment:

Relinquished by:	Date/Time: 5/1/25 1630	Company EETA	Received by:	Date/Time: 5/2/25 9:30	Company EETN
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 10/10/2024

Login Sample Receipt Checklist

Client: White Pine Copper LLC

Job Number: 500-267619-1

Login Number: 267619
List Number: 1
Creator: Hernandez, Stephanie

List Source: Eurofins Chicago

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	5.1,4.8,3.3,1.0,1.7
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	False	Refer to Job Narrative for details.
Sample containers have legible labels.	True	
Containers are not broken or leaking.	False	Refer to Job Narrative for details.
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	False	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: White Pine Copper LLC

Job Number: 500-267619-1

Login Number: 267619
List Number: 2
Creator: Miller, Darren R

List Source: Eurofins Seattle Specialty Metals
List Creation: 05/02/25 01:19 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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Date:	5/2/2025
End Time:	14:44
pH Paper Lot:	hc441704
Analyst:	
Pipette:	ND

Preservative ID	Preservative Type	Container ID
A	Nitric Acid	na
ZZZZZZZZZZZZZZZZ	ZZZZZZZZZZZZZZZZZZZZZZZZ	ZZZZZZZZZZ
ZZZZZZZZZZZZZZZZ	ZZZZZZZZZZZZZZZZZZZZZZZZ	ZZZZZZZZZZ
ZZZZZZZZZZZZZZZZ	ZZZZZZZZZZZZZZZZZZZZZZZZ	ZZZZZZZZZZ

Sample ID	Initial pH	Final pH	Preservative ID	Preservative Added (mL)	Comments
500-267619-M-13 MS	≤2				
500-267619-M-7	≤2				
500-267619-N-11	≤2				
500-267619-N-11	≤2				
500-267619-M-3	≤2				
500-267619-M-13 MSD	≤2				
500-267619-N-3	≤2				
500-267619-M-1	≤2				
500-267619-N-13 MSD	≤2				
500-267619-M-11	≤2				
500-267619-N-13 MSD	≤2				
500-267619-N-9	≤2				
500-267619-N-5	≤2				
500-267619-M-9	≤2				
500-267619-M-13	≤2				
500-267619-N-13 MSD	≤2				
500-267619-M-5	≤2				
500-267619-N-7	≤2				

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Date:	5/2/2025
End Time:	14:10
pH Paper Lot:	hc441704
Analyst:	K
Pipette:	NA

Preservative ID	Preservative Type	Container ID
A	Hydrochloric Acid	na
ZZZZZZZZZZZZZZZ	ZZZZZZZZZZZZZZZZZZZZZZZZ	ZZZZZZZZZZ
ZZZZZZZZZZZZZZZ	ZZZZZZZZZZZZZZZZZZZZZZZZ	ZZZZZZZZZZ
ZZZZZZZZZZZZZZZ	ZZZZZZZZZZZZZZZZZZZZZZZZ	ZZZZZZZZZZ

Sample ID	Initial pH	Final pH	Preservative ID	Preservative Added (mL)	Comments
500-267619-E-1	<2				
500-267619-E-11	<2				
500-267619-F-9	<2				
500-267619-E-13	<2				
500-267619-E-3	<2				
500-267619-F-3	<2				
500-267619-E-7	<2				
500-267619-E-13 MSD	<2				
500-267619-E-13 MSD	<2				
500-267619-F-5	<2				
500-267619-F-11	<2				
500-267619-F-13 MSD	<2				
500-267619-F-13 MSD	<2				
500-267619-E-5	<2				
500-267619-F-7	<2				
500-267619-F-13 MSD	<2				
500-267619-F-1	<2				
500-267619-E-9	<2				

H
5/2/25

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ANALYTICAL REPORT

PREPARED FOR

Attn: Amanda Zeidler
White Pine Copper LLC
35362 Mall Circle Drive
White Pine, Michigan 49971

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JOB DESCRIPTION

White Pines, MI

JOB NUMBER

500-267924-1

Eurofins Chicago
18410 Crossing Drive
Suite E
Tinley Park IL 60487

See page two for job notes and contact information.

my EOL

Eurofins Chicago

Job Notes

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. This report is confidential and is intended for the sole use of Eurofins Environment Testing North Central, LLC and its client. All questions regarding this report should be directed to the Eurofins Environment Testing North Central, LLC Project Manager who has signed this report.

Results relate only to the items tested and the sample(s) as received by the laboratory. The results, detection limits (LOD) and Quantitation Limits (LOQ) have been adjusted for sample dilutions and/or solids content.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Chicago Project Manager.

Compliance Statement

The LOD and LOQ reported are adjusted by the dilution factor when a dilution factor greater than 1 is needed. Additionally, where results are indicated as being reported on a dry weight basis, the LOD and LOQ are adjusted for moisture content as well.

Definitions of Limits
- LOD = Limit of Detection = MDL as defined by 40 CFR part 136 Appendix B
- LOQ = Limit of Quantitation = 3.33 x LOD as defined by Wisconsin
- RL = Report Limit = a concentration supported by a standard in the calibration curves

Authorization



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Authorized for release by
Sandie Fredrick, Senior Project Manager
Sandra.Fredrick@et.eurofinsus.com
(920)261-1660

Table of Contents

Cover Page 1
Table of Contents 3
Case Narrative 4
Detection Summary 5
Method Summary 16
Sample Summary 17
Client Sample Results 18
Definitions 54
QC Association 55
QC Sample Results 65
Chronicle 79
Certification Summary 88
Chain of Custody 89
Receipt Checklists 100
Field Data Sheets 102

Job Narrative
500-267924-1

Receipt
The samples were received on 5/8/2025 9:30 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 5 coolers at receipt time were 4.4º C, 4.5º C, 5.7º C, 5.9º C and 7.5º C.

Receipt Exceptions
The following sample(s) was received outside of holding time: for IC-N2 and N3. MW-2A_20250505 (500-267924-1), MW-2B_20250505 (500-267924-3), MLR-02_20250505 (500-267924-5), MW-3B_20250505 (500-267924-7), BNW-01_20250505 (500-267924-9), PNC-02_20250505 (500-267924-11), NB1-3_20250505 (500-267924-13), NB1-1_20250505 (500-267924-15) and DUP-01-GW_20250505 (500-267924-17).

The following sample(s) was received at the laboratory outside the required temperature criteria: One cooler containing samples NB1-3_20250505 and NB1-1_20250505. Receiving cooler temp:7.5°C. Water and ice present in cooler.

Metals
Method 6020B: The method blank for preparation batch 500-817342 and analytical batch 500-817764 contained Sodium above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

Method 6020B: The method blank for preparation batch 500-817346 and analytical batch 500-817764 contained Lead above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

Method 1631E: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 350-7141 were outside control limits for one analyte. See QC Sample Results for detail. Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Field Service / Mobile Lab
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

General Chemistry
Method 300.0: The following samples were received outside of holding time: MW-2A_20250505 (500-267924-1), MW-2B_20250505 (500-267924-3), MLR-02_20250505 (500-267924-5), MW-3B_20250505 (500-267924-7), BNW-01_20250505 (500-267924-9), PNC-02_20250505 (500-267924-11), NB1-3_20250505 (500-267924-13), NB1-1_20250505 (500-267924-15) and DUP-01-GW_20250505 (500-267924-17).

Method SM 5310C: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 500-818280 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267924-1

Client Sample ID: MW-2A_20250505 — Lab Sample ID: 500-267924-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	0.28	J	0.50	0.20	ng/L	1		1631E	Total/NA
Mercury	0.57		0.50	0.20	ng/L	1		1631E	Dissolved
Uranium	0.63		0.050	0.0098	ug/L	1		1638	Total Recoverable
Uranium	0.61		0.050	0.0098	ug/L	1		1638	Dissolved
Arsenic	0.82	J	1.0	0.23	ug/L	1		6020B	Total Recoverable
Barium	490		2.5	0.73	ug/L	1		6020B	Total Recoverable
Boron	340		50	13	ug/L	1		6020B	Total Recoverable
Calcium	160000		200	44	ug/L	1		6020B	Total Recoverable
Cobalt	0.88	J	1.0	0.40	ug/L	1		6020B	Total Recoverable
Iron	1900		100	47	ug/L	1		6020B	Total Recoverable
Lithium	45		10	2.5	ug/L	1		6020B	Total Recoverable
Magnesium	48000		200	49	ug/L	1		6020B	Total Recoverable
Manganese	1500		2.5	0.79	ug/L	1		6020B	Total Recoverable
Nickel	0.92	J	2.0	0.63	ug/L	1		6020B	Total Recoverable
Potassium	1800		500	110	ug/L	1		6020B	Total Recoverable
Sodium	50000	B	200	77	ug/L	1		6020B	Total Recoverable
Strontium	2100		4.0	0.64	ug/L	1		6020B	Total Recoverable
Tin	1.3	J	5.0	1.3	ug/L	1		6020B	Total Recoverable
Arsenic	0.71	J	1.0	0.23	ug/L	1		6020B	Dissolved
Barium	500		2.5	0.73	ug/L	1		6020B	Dissolved
Boron	330		50	13	ug/L	1		6020B	Dissolved
Calcium	170000		200	44	ug/L	1		6020B	Dissolved
Cobalt	0.87	J	1.0	0.40	ug/L	1		6020B	Dissolved
Iron	1600		100	47	ug/L	1		6020B	Dissolved
Lithium	44		10	2.5	ug/L	1		6020B	Dissolved
Magnesium	50000		200	49	ug/L	1		6020B	Dissolved
Manganese	1600		2.5	0.79	ug/L	1		6020B	Dissolved
Nickel	0.92	J	2.0	0.63	ug/L	1		6020B	Dissolved
Potassium	1900		500	110	ug/L	1		6020B	Dissolved
Sodium	50000	B	200	77	ug/L	1		6020B	Dissolved
Strontium	2200		4.0	0.64	ug/L	1		6020B	Dissolved
Hardness as calcium carbonate	610		0.91	0.46	mg/L	1		SM 2340B	Total Recoverable
Bromide	1.2		1.0	0.45	mg/L	1		300.0	Total/NA
Chloride	100		1.0	0.42	mg/L	1		300.0	Total/NA
Sulfate	3.5		1.0	0.47	mg/L	1		300.0	Total/NA
Alkalinity	550		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	550		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Salinity	0.55		0.33	0.33	psu	1		SM 2520B	Total/NA
Total Dissolved Solids	780		10	4.3	mg/L	1		SM 2540C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-2A_20250505 (Continued) — Lab Sample ID: 500-267924-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Organic Carbon	7.9		1.0	0.47	mg/L	1		SM 5310C	Total/NA
Dissolved Organic Carbon	6.0		1.0	0.47	mg/L	1		SM 5310C	Dissolved

Client Sample ID: MW-2A_20250505_FBLL — Lab Sample ID: 500-267924-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	0.39	J	0.50	0.20	ng/L	1		1631E	Total/NA

Client Sample ID: MW-2B_20250505 — Lab Sample ID: 500-267924-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	0.33	J	0.50	0.20	ng/L	1		1631E	Total/NA
Mercury	0.33	J	0.50	0.20	ng/L	1		1631E	Dissolved
Uranium	15		0.050	0.0098	ug/L	1		1638	Total Recoverable
Uranium	15		0.050	0.0098	ug/L	1		1638	Dissolved
Aluminum	170		100	25	ug/L	1		6020B	Total Recoverable
Arsenic	1.0		1.0	0.23	ug/L	1		6020B	Total Recoverable
Barium	680		2.5	0.73	ug/L	1		6020B	Total Recoverable
Boron	91		50	13	ug/L	1		6020B	Total Recoverable
Calcium	100000		200	44	ug/L	1		6020B	Total Recoverable
Copper	1.9	J	2.0	0.50	ug/L	1		6020B	Total Recoverable
Iron	220		100	47	ug/L	1		6020B	Total Recoverable
Lithium	28		10	2.5	ug/L	1		6020B	Total Recoverable
Magnesium	65000		200	49	ug/L	1		6020B	Total Recoverable
Manganese	300		2.5	0.79	ug/L	1		6020B	Total Recoverable
Nickel	1.6	J	2.0	0.63	ug/L	1		6020B	Total Recoverable
Potassium	2700		500	110	ug/L	1		6020B	Total Recoverable
Sodium	18000	B	200	77	ug/L	1		6020B	Total Recoverable
Strontium	1200		4.0	0.64	ug/L	1		6020B	Total Recoverable
Vanadium	2.8	J	5.0	2.2	ug/L	1		6020B	Total Recoverable
Arsenic	0.83	J	1.0	0.23	ug/L	1		6020B	Dissolved
Barium	660		2.5	0.73	ug/L	1		6020B	Dissolved
Boron	87		50	13	ug/L	1		6020B	Dissolved
Calcium	100000		200	44	ug/L	1		6020B	Dissolved
Copper	0.84	J	2.0	0.50	ug/L	1		6020B	Dissolved
Iron	63	J	100	47	ug/L	1		6020B	Dissolved
Lithium	28		10	2.5	ug/L	1		6020B	Dissolved
Magnesium	63000		200	49	ug/L	1		6020B	Dissolved
Manganese	260		2.5	0.79	ug/L	1		6020B	Dissolved
Nickel	1.2	J	2.0	0.63	ug/L	1		6020B	Dissolved

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-2B_20250505 (Continued) — Lab Sample ID: 500-267924-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Potassium	2600		500	110	ug/L	1		6020B	Dissolved
Sodium	18000	B	200	77	ug/L	1		6020B	Dissolved
Strontium	1200		4.0	0.64	ug/L	1		6020B	Dissolved
Hardness as calcium carbonate	530		0.91	0.46	mg/L	1		SM 2340B	Total Recoverable
Chloride	49		1.0	0.42	mg/L	1		300.0	Total/NA
Sulfate	14		1.0	0.47	mg/L	1		300.0	Total/NA
Alkalinity	450		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	450		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	550		10	4.3	mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	4.0	J	5.0	1.9	mg/L	1		SM 2540D	Total/NA
Total Organic Carbon	1.8		1.0	0.47	mg/L	1		SM 5310C	Total/NA
Dissolved Organic Carbon	7.0	F1	1.0	0.47	mg/L	1		SM 5310C	Dissolved

Client Sample ID: MW-2B_20250505_FBLL — Lab Sample ID: 500-267924-4

No Detections.

Client Sample ID: MLR-02_20250505 — Lab Sample ID: 500-267924-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl Mercury	0.044	J	0.050	0.022	ng/L	1		1630	Total/NA
Methyl Mercury	0.038	J	0.050	0.022	ng/L	1		1630	Dissolved
Mercury	5.1		0.50	0.20	ng/L	1		1631E	Total/NA
Mercury	4.2		0.50	0.20	ng/L	1		1631E	Dissolved
Uranium	0.17		0.050	0.0098	ug/L	1		1638	Total Recoverable
Uranium	0.15		0.050	0.0098	ug/L	1		1638	Dissolved
Aluminum	920		100	25	ug/L	1		6020B	Total Recoverable
Arsenic	0.60	J	1.0	0.23	ug/L	1		6020B	Total Recoverable
Barium	23		2.5	0.73	ug/L	1		6020B	Total Recoverable
Boron	24	J	50	13	ug/L	1		6020B	Total Recoverable
Calcium	12000		200	44	ug/L	1		6020B	Total Recoverable
Chromium	1.4	J	5.0	1.1	ug/L	1		6020B	Total Recoverable
Copper	49		2.0	0.50	ug/L	1		6020B	Total Recoverable
Iron	950		100	47	ug/L	1		6020B	Total Recoverable
Lead	0.39	J	0.50	0.19	ug/L	1		6020B	Total Recoverable
Magnesium	2900		200	49	ug/L	1		6020B	Total Recoverable
Manganese	26		2.5	0.79	ug/L	1		6020B	Total Recoverable
Nickel	1.0	J	2.0	0.63	ug/L	1		6020B	Total Recoverable
Potassium	950		500	110	ug/L	1		6020B	Total Recoverable
Sodium	4600	B	200	77	ug/L	1		6020B	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client Sample ID: MLR-02_20250505 (Continued) — Lab Sample ID: 500-267924-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Strontium	31		4.0	0.64	ug/L	1		6020B	Total Recoverable
Vanadium	2.2	J	5.0	2.2	ug/L	1		6020B	Total Recoverable
Aluminum	87	J	100	25	ug/L	1		6020B	Dissolved
Arsenic	0.46	J	1.0	0.23	ug/L	1		6020B	Dissolved
Barium	17		2.5	0.73	ug/L	1		6020B	Dissolved
Boron	25	J	50	13	ug/L	1		6020B	Dissolved
Calcium	12000		200	44	ug/L	1		6020B	Dissolved
Copper	41		2.0	0.50	ug/L	1		6020B	Dissolved
Iron	210		100	47	ug/L	1		6020B	Dissolved
Magnesium	2700		200	49	ug/L	1		6020B	Dissolved
Manganese	34		2.5	0.79	ug/L	1		6020B	Dissolved
Potassium	730		500	110	ug/L	1		6020B	Dissolved
Sodium	4500	B	200	77	ug/L	1		6020B	Dissolved
Strontium	31		4.0	0.64	ug/L	1		6020B	Dissolved
Hardness as calcium carbonate	43		0.91	0.46	mg/L	1		SM 2340B	Total Recoverable
Chloride	5.5		1.0	0.42	mg/L	1		300.0	Total/NA
Sulfate	1.5		1.0	0.47	mg/L	1		300.0	Total/NA
Alkalinity	38		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	38		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	72		10	4.3	mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	5.4		5.0	1.9	mg/L	1		SM 2540D	Total/NA
Total Organic Carbon	12		1.0	0.47	mg/L	1		SM 5310C	Total/NA
Dissolved Organic Carbon	12		1.0	0.47	mg/L	1		SM 5310C	Dissolved

Client Sample ID: MLR-02_20250505_FBLL — Lab Sample ID: 500-267924-6

No Detections.

Client Sample ID: MW-3B_20250505 — Lab Sample ID: 500-267924-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Uranium	41		0.050	0.0098	ug/L	1		1638	Total Recoverable
Uranium	41		0.050	0.0098	ug/L	1		1638	Dissolved
Arsenic	0.34	J	1.0	0.23	ug/L	1		6020B	Total Recoverable
Barium	420		2.5	0.73	ug/L	1		6020B	Total Recoverable
Boron	92		50	13	ug/L	1		6020B	Total Recoverable
Calcium	82000		200	44	ug/L	1		6020B	Total Recoverable
Copper	1.1	J	2.0	0.50	ug/L	1		6020B	Total Recoverable
Lead	0.22	J	0.50	0.19	ug/L	1		6020B	Total Recoverable
Lithium	34		10	2.5	ug/L	1		6020B	Total Recoverable
Magnesium	57000		200	49	ug/L	1		6020B	Total Recoverable
Manganese	45		2.5	0.79	ug/L	1		6020B	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-3B_20250505 (Continued) — Lab Sample ID: 500-267924-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Potassium	1300		500	110	ug/L	1		6020B	Total Recoverable
Sodium	30000	B	200	77	ug/L	1		6020B	Total Recoverable
Strontium	1100		4.0	0.64	ug/L	1		6020B	Total Recoverable
Vanadium	3.4	J	5.0	2.2	ug/L	1		6020B	Total Recoverable
Zinc	8.0	J	20	6.9	ug/L	1		6020B	Total Recoverable
Arsenic	0.29	J	1.0	0.23	ug/L	1		6020B	Dissolved
Barium	410		2.5	0.73	ug/L	1		6020B	Dissolved
Boron	89		50	13	ug/L	1		6020B	Dissolved
Calcium	81000		200	44	ug/L	1		6020B	Dissolved
Copper	0.60	J	2.0	0.50	ug/L	1		6020B	Dissolved
Lithium	35		10	2.5	ug/L	1		6020B	Dissolved
Magnesium	57000		200	49	ug/L	1		6020B	Dissolved
Manganese	20		2.5	0.79	ug/L	1		6020B	Dissolved
Potassium	1300		500	110	ug/L	1		6020B	Dissolved
Selenium	1.2	J	2.5	0.98	ug/L	1		6020B	Dissolved
Sodium	30000	B	200	77	ug/L	1		6020B	Dissolved
Strontium	1100		4.0	0.64	ug/L	1		6020B	Dissolved
Vanadium	2.9	J	5.0	2.2	ug/L	1		6020B	Dissolved
Zinc	8.5	J	20	6.9	ug/L	1		6020B	Dissolved
Hardness as calcium carbonate	440		0.91	0.46	mg/L	1		SM 2340B	Total Recoverable
Chloride	23		1.0	0.42	mg/L	1		300.0	Total/NA
Sulfate	24		1.0	0.47	mg/L	1		300.0	Total/NA
Alkalinity	430		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	430		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	480		10	4.3	mg/L	1		SM 2540C	Total/NA
Total Organic Carbon	1.0		1.0	0.47	mg/L	1		SM 5310C	Total/NA
Dissolved Organic Carbon	1.1		1.0	0.47	mg/L	1		SM 5310C	Dissolved

Client Sample ID: MW-3B_20250505_FBLL — Lab Sample ID: 500-267924-8

No Detections.

Client Sample ID: BNW-01_20250505 — Lab Sample ID: 500-267924-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl Mercury	0.024	J	0.050	0.022	ng/L	1		1630	Dissolved
Mercury	0.22	J	0.50	0.20	ng/L	1		1631E	Dissolved
Uranium	0.12		0.050	0.0098	ug/L	1		1638	Total Recoverable
Uranium	0.13		0.050	0.0098	ug/L	1		1638	Dissolved
Arsenic	0.38	J	1.0	0.23	ug/L	1		6020B	Total Recoverable
Barium	30		2.5	0.73	ug/L	1		6020B	Total Recoverable
Boron	14	J	50	13	ug/L	1		6020B	Total Recoverable
Calcium	39000		200	44	ug/L	1		6020B	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client Sample ID: BNW-01_20250505 (Continued) — Lab Sample ID: 500-267924-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Copper	1.7	J	2.0	0.50	ug/L	1		6020B	Total Recoverable
Iron	140		100	47	ug/L	1		6020B	Total Recoverable
Magnesium	6500		200	49	ug/L	1		6020B	Total Recoverable
Manganese	17		2.5	0.79	ug/L	1		6020B	Total Recoverable
Potassium	1400		500	110	ug/L	1		6020B	Total Recoverable
Sodium	1400	B	200	77	ug/L	1		6020B	Total Recoverable
Strontium	87		4.0	0.64	ug/L	1		6020B	Total Recoverable
Arsenic	0.35	J	1.0	0.23	ug/L	1		6020B	Dissolved
Barium	29		2.5	0.73	ug/L	1		6020B	Dissolved
Boron	15	J	50	13	ug/L	1		6020B	Dissolved
Calcium	39000		200	44	ug/L	1		6020B	Dissolved
Copper	1.6	J	2.0	0.50	ug/L	1		6020B	Dissolved
Magnesium	6500		200	49	ug/L	1		6020B	Dissolved
Manganese	6.7		2.5	0.79	ug/L	1		6020B	Dissolved
Potassium	1400		500	110	ug/L	1		6020B	Dissolved
Sodium	1400	B	200	77	ug/L	1		6020B	Dissolved
Strontium	87		4.0	0.64	ug/L	1		6020B	Dissolved
Hardness as calcium carbonate	120		0.91	0.46	mg/L	1		SM 2340B	Total Recoverable
Chloride	2.0		1.0	0.42	mg/L	1		300.0	Total/NA
Alkalinity	120		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	120		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	140		10	4.3	mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	2.2	J	5.0	1.9	mg/L	1		SM 2540D	Total/NA
Sulfide	1.2		1.0	0.23	mg/L	1		SM 4500 S2 F	Total/NA
Total Organic Carbon	5.4		1.0	0.47	mg/L	1		SM 5310C	Total/NA
Dissolved Organic Carbon	5.4		1.0	0.47	mg/L	1		SM 5310C	Dissolved

Client Sample ID: BNW-01_20250505_FBLL — Lab Sample ID: 500-267924-10

No Detections.

Client Sample ID: PNC-02_20250505 — Lab Sample ID: 500-267924-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl Mercury	0.040	J	0.050	0.022	ng/L	1		1630	Total/NA
Mercury	2.9		0.50	0.20	ng/L	1		1631E	Total/NA
Mercury	2.6		0.50	0.20	ng/L	1		1631E	Dissolved
Uranium	0.17		0.050	0.0098	ug/L	1		1638	Total Recoverable
Uranium	0.15		0.050	0.0098	ug/L	1		1638	Dissolved
Aluminum	1100		100	25	ug/L	1		6020B	Total Recoverable
Arsenic	0.51	J	1.0	0.23	ug/L	1		6020B	Total Recoverable
Barium	32		2.5	0.73	ug/L	1		6020B	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client Sample ID: PNC-02_20250505 (Continued)

Lab Sample ID: 500-267924-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Boron	14	J	50	13	ug/L	1		6020B	Total Recoverable
Calcium	16000		200	44	ug/L	1		6020B	Total Recoverable
Chromium	1.7	J	5.0	1.1	ug/L	1		6020B	Total Recoverable
Cobalt	0.54	J	1.0	0.40	ug/L	1		6020B	Total Recoverable
Copper	23		2.0	0.50	ug/L	1		6020B	Total Recoverable
Iron	1200		100	47	ug/L	1		6020B	Total Recoverable
Lead	0.40	J	0.50	0.19	ug/L	1		6020B	Total Recoverable
Magnesium	4000		200	49	ug/L	1		6020B	Total Recoverable
Manganese	79		2.5	0.79	ug/L	1		6020B	Total Recoverable
Nickel	1.4	J	2.0	0.63	ug/L	1		6020B	Total Recoverable
Potassium	1200		500	110	ug/L	1		6020B	Total Recoverable
Sodium	1400	B	200	77	ug/L	1		6020B	Total Recoverable
Strontium	51		4.0	0.64	ug/L	1		6020B	Total Recoverable
Vanadium	2.6	J	5.0	2.2	ug/L	1		6020B	Total Recoverable
Aluminum	47	J	100	25	ug/L	1		6020B	Dissolved
Arsenic	0.35	J	1.0	0.23	ug/L	1		6020B	Dissolved
Barium	24		2.5	0.73	ug/L	1		6020B	Dissolved
Boron	14	J	50	13	ug/L	1		6020B	Dissolved
Calcium	16000		200	44	ug/L	1		6020B	Dissolved
Copper	16		2.0	0.50	ug/L	1		6020B	Dissolved
Iron	200		100	47	ug/L	1		6020B	Dissolved
Magnesium	3600		200	49	ug/L	1		6020B	Dissolved
Manganese	50		2.5	0.79	ug/L	1		6020B	Dissolved
Potassium	910		500	110	ug/L	1		6020B	Dissolved
Sodium	1300	B	200	77	ug/L	1		6020B	Dissolved
Strontium	50		4.0	0.64	ug/L	1		6020B	Dissolved
Hardness as calcium carbonate	56		0.91	0.46	mg/L	1		SM 2340B	Total Recoverable
Chloride	1.6		1.0	0.42	mg/L	1		300.0	Total/NA
Sulfate	0.79	J	1.0	0.47	mg/L	1		300.0	Total/NA
Phosphorus as P	0.030	J	0.050	0.024	mg/L	1		365.1	Total/NA
Alkalinity	49		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	49		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	32		10	4.3	mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	23		5.0	1.9	mg/L	1		SM 2540D	Total/NA
Sulfide	0.51	J	1.0	0.23	mg/L	1		SM 4500 S2 F	Total/NA
Total Organic Carbon	8.9		1.0	0.47	mg/L	1		SM 5310C	Total/NA
Dissolved Organic Carbon	9.0		1.0	0.47	mg/L	1		SM 5310C	Dissolved

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267924-1

Client Sample ID: PNC-02_20250505_FBLL — Lab Sample ID: 500-267924-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	0.26	J	0.50	0.20	ng/L	1		1631E	Total/NA

Client Sample ID: NB1-3_20250505 — Lab Sample ID: 500-267924-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	0.58		0.50	0.20	ng/L	1		1631E	Total/NA
Uranium	0.014	J	0.050	0.0098	ug/L	1		1638	Total Recoverable
Uranium	0.012	J	0.050	0.0098	ug/L	1		1638	Dissolved
Aluminum	31	J	100	25	ug/L	1		6020B	Total Recoverable
Arsenic	2.2		1.0	0.23	ug/L	1		6020B	Total Recoverable
Barium	540		2.5	0.73	ug/L	1		6020B	Total Recoverable
Boron	1400		50	13	ug/L	1		6020B	Total Recoverable
Calcium	70000		200	44	ug/L	1		6020B	Total Recoverable
Copper	1.5	J	2.0	0.50	ug/L	1		6020B	Total Recoverable
Iron	1800		100	47	ug/L	1		6020B	Total Recoverable
Lithium	21		10	2.5	ug/L	1		6020B	Total Recoverable
Magnesium	5400		200	49	ug/L	1		6020B	Total Recoverable
Manganese	180		2.5	0.79	ug/L	1		6020B	Total Recoverable
Molybdenum	20		5.0	2.5	ug/L	1		6020B	Total Recoverable
Potassium	12000		500	110	ug/L	1		6020B	Total Recoverable
Sodium	110000	B	200	77	ug/L	1		6020B	Total Recoverable
Strontium	1100		4.0	0.64	ug/L	1		6020B	Total Recoverable
Arsenic	2.0		1.0	0.23	ug/L	1		6020B	Dissolved
Barium	520		2.5	0.73	ug/L	1		6020B	Dissolved
Boron	1400		50	13	ug/L	1		6020B	Dissolved
Calcium	68000		200	44	ug/L	1		6020B	Dissolved
Iron	960		100	47	ug/L	1		6020B	Dissolved
Lithium	21		10	2.5	ug/L	1		6020B	Dissolved
Magnesium	5000		200	49	ug/L	1		6020B	Dissolved
Manganese	170		2.5	0.79	ug/L	1		6020B	Dissolved
Molybdenum	19		5.0	2.5	ug/L	1		6020B	Dissolved
Potassium	12000		500	110	ug/L	1		6020B	Dissolved
Sodium	110000	B	200	77	ug/L	1		6020B	Dissolved
Strontium	1100		4.0	0.64	ug/L	1		6020B	Dissolved
Hardness as calcium carbonate	200		0.91	0.46	mg/L	1		SM 2340B	Total Recoverable
Bromide	2.6		1.0	0.45	mg/L	1		300.0	Total/NA
Chloride	260		10	4.2	mg/L	10		300.0	Total/NA
Sulfate	1.0		1.0	0.47	mg/L	1		300.0	Total/NA
Phosphorus as P	0.043	J	0.050	0.024	mg/L	1		365.1	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267924-1

Client Sample ID: NB1-3_20250505 (Continued) — Lab Sample ID: 500-267924-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Alkalinity	65		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	65		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	510		10	4.3	mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	3.0	J	5.0	1.9	mg/L	1		SM 2540D	Total/NA
Total Organic Carbon	2.6		1.0	0.47	mg/L	1		SM 5310C	Total/NA
Dissolved Organic Carbon	3.0		1.0	0.47	mg/L	1		SM 5310C	Dissolved

Client Sample ID: NB1-3_20250505_FBLL — Lab Sample ID: 500-267924-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	0.24	J	0.50	0.20	ng/L	1		1631E	Total/NA

Client Sample ID: NB1-1_20250505 — Lab Sample ID: 500-267924-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl Mercury	0.030	J	0.050	0.022	ng/L	1		1630	Total/NA
Mercury	0.85		0.50	0.20	ng/L	1		1631E	Total/NA
Mercury	0.21	J	0.50	0.20	ng/L	1		1631E	Dissolved
Uranium	0.013	J	0.050	0.0098	ug/L	1		1638	Total Recoverable
Uranium	0.0098	J	0.050	0.0098	ug/L	1		1638	Dissolved
Aluminum	61	J	100	25	ug/L	1		6020B	Total Recoverable
Arsenic	1.5		1.0	0.23	ug/L	1		6020B	Total Recoverable
Barium	310		2.5	0.73	ug/L	1		6020B	Total Recoverable
Boron	1100		50	13	ug/L	1		6020B	Total Recoverable
Calcium	74000		200	44	ug/L	1		6020B	Total Recoverable
Copper	2.3		2.0	0.50	ug/L	1		6020B	Total Recoverable
Iron	950		100	47	ug/L	1		6020B	Total Recoverable
Lead	0.31	J	0.50	0.19	ug/L	1		6020B	Total Recoverable
Lithium	7.4	J	10	2.5	ug/L	1		6020B	Total Recoverable
Magnesium	5300		200	49	ug/L	1		6020B	Total Recoverable
Manganese	28		2.5	0.79	ug/L	1		6020B	Total Recoverable
Molybdenum	3.0	J	5.0	2.5	ug/L	1		6020B	Total Recoverable
Potassium	9700		500	110	ug/L	1		6020B	Total Recoverable
Sodium	140000	B	200	77	ug/L	1		6020B	Total Recoverable
Strontium	1000		4.0	0.64	ug/L	1		6020B	Total Recoverable
Arsenic	1.5		1.0	0.23	ug/L	1		6020B	Dissolved
Barium	310		2.5	0.73	ug/L	1		6020B	Dissolved
Boron	1100		50	13	ug/L	1		6020B	Dissolved
Calcium	74000		200	44	ug/L	1		6020B	Dissolved
Lithium	6.8	J	10	2.5	ug/L	1		6020B	Dissolved

This Detection Summary does not include radiochemical test results.

Client Sample ID: NB1-1_20250505 (Continued) — Lab Sample ID: 500-267924-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Magnesium	5100		200	49	ug/L	1		6020B	Dissolved
Manganese	24		2.5	0.79	ug/L	1		6020B	Dissolved
Potassium	9700		500	110	ug/L	1		6020B	Dissolved
Sodium	140000		200	77	ug/L	1		6020B	Dissolved
Strontium	1000		4.0	0.64	ug/L	1		6020B	Dissolved
Hardness as calcium carbonate	210		0.91	0.46	mg/L	1		SM 2340B	Total Recoverable
Bromide	2.5		1.0	0.45	mg/L	1		300.0	Total/NA
Chloride	270		10	4.2	mg/L	10		300.0	Total/NA
Fluoride	0.81	J	1.0	0.43	mg/L	1		300.0	Total/NA
Sulfate	61		1.0	0.47	mg/L	1		300.0	Total/NA
Ammonia	0.28		0.20	0.10	mg/L	1		350.1	Total/NA
Phosphorus as P	0.097		0.050	0.024	mg/L	1		365.1	Total/NA
Alkalinity	65		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	65		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Salinity	0.40		0.33	0.33	psu	1		SM 2520B	Total/NA
Total Dissolved Solids	610		10	4.3	mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	7.2		5.0	1.9	mg/L	1		SM 2540D	Total/NA
Sulfide	8.3		1.0	0.23	mg/L	1		SM 4500 S2 F	Total/NA
Total Organic Carbon	3.6		1.0	0.47	mg/L	1		SM 5310C	Total/NA
Dissolved Organic Carbon	3.5		1.0	0.47	mg/L	1		SM 5310C	Dissolved

Client Sample ID: NB1-1_20250505_FBLL — Lab Sample ID: 500-267924-16

No Detections.

Client Sample ID: DUP-01-GW_20250505 — Lab Sample ID: 500-267924-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	0.22	J	0.50	0.20	ng/L	1		1631E	Total/NA
Mercury	0.39	J	0.50	0.20	ng/L	1		1631E	Dissolved
Uranium	0.64		0.050	0.0098	ug/L	1		1638	Total Recoverable
Uranium	0.63		0.050	0.0098	ug/L	1		1638	Dissolved
Arsenic	0.85	J	1.0	0.23	ug/L	1		6020B	Total Recoverable
Barium	490		2.5	0.73	ug/L	1		6020B	Total Recoverable
Boron	310		50	13	ug/L	1		6020B	Total Recoverable
Calcium	160000		200	44	ug/L	1		6020B	Total Recoverable
Cobalt	0.83	J	1.0	0.40	ug/L	1		6020B	Total Recoverable
Iron	1900		100	47	ug/L	1		6020B	Total Recoverable
Lithium	43		10	2.5	ug/L	1		6020B	Total Recoverable
Magnesium	48000		200	49	ug/L	1		6020B	Total Recoverable
Manganese	1500		2.5	0.79	ug/L	1		6020B	Total Recoverable
Nickel	0.93	J	2.0	0.63	ug/L	1		6020B	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client Sample ID: DUP-01-GW_20250505 (Continued) — Lab Sample ID: 500-267924-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Potassium	1800		500	110	ug/L	1		6020B	Total Recoverable
Sodium	49000		200	77	ug/L	1		6020B	Total Recoverable
Strontium	2100		4.0	0.64	ug/L	1		6020B	Total Recoverable
Arsenic	0.76	J	1.0	0.23	ug/L	1		6020B	Dissolved
Barium	490		2.5	0.73	ug/L	1		6020B	Dissolved
Boron	310		50	13	ug/L	1		6020B	Dissolved
Calcium	160000		200	44	ug/L	1		6020B	Dissolved
Cobalt	0.85	J	1.0	0.40	ug/L	1		6020B	Dissolved
Iron	1500		100	47	ug/L	1		6020B	Dissolved
Lithium	43		10	2.5	ug/L	1		6020B	Dissolved
Magnesium	48000		200	49	ug/L	1		6020B	Dissolved
Manganese	1500		2.5	0.79	ug/L	1		6020B	Dissolved
Nickel	0.85	J	2.0	0.63	ug/L	1		6020B	Dissolved
Potassium	1800		500	110	ug/L	1		6020B	Dissolved
Sodium	48000		200	77	ug/L	1		6020B	Dissolved
Strontium	2100		4.0	0.64	ug/L	1		6020B	Dissolved
Hardness as calcium carbonate	600		0.91	0.46	mg/L	1		SM 2340B	Total Recoverable
Bromide	1.1		1.0	0.45	mg/L	1		300.0	Total/NA
Chloride	100		1.0	0.42	mg/L	1		300.0	Total/NA
Sulfate	3.7		1.0	0.47	mg/L	1		300.0	Total/NA
Alkalinity	550		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	550		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Salinity	0.48		0.33	0.33	psu	1		SM 2520B	Total/NA
Total Dissolved Solids	730		10	4.3	mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	2.6	J	5.0	1.9	mg/L	1		SM 2540D	Total/NA
Total Organic Carbon	7.9		1.0	0.47	mg/L	1		SM 5310C	Total/NA
Dissolved Organic Carbon	8.0		1.0	0.47	mg/L	1		SM 5310C	Dissolved

Client Sample ID: DUP-01-GW_20250505_FBLL — Lab Sample ID: 500-267924-18

No Detections.

This Detection Summary does not include radiochemical test results.

Method Summary

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267924-1

Method	Method Description	Protocol	Laboratory
1630	Methyl Mercury	EPA	EET SSM
1631E	Mercury, Low Level (CVAFS)	EPA	EET SSM
1638	Metals (ICP/MS)	EPA	EET SSM
6020B	Metals (ICP/MS)	SW846	EET CHI
SM 2340B	Total Hardness (as CaCO3) by calculation	SM	EET CHI
300.0	Anions, Ion Chromatography	EPA	EET CHI
335.4	Cyanide, Total	EPA	EET CHI
350.1	Nitrogen, Ammonia	EPA	EET CHI
365.1	Phosphorus, Total	EPA	EET CHI
SM 2320B	Alkalinity	SM	EET CHI
SM 2520B	Salinity	SM	EET CHI
SM 2540C	Solids, Total Dissolved (TDS)	SM	EET CHI
SM 2540D	Solids, Total Suspended (TSS)	SM	EET CHI
SM 4500 S2 F	Sulfide, Total	SM	EET CHI
SM 5310C	Organic Carbon, Dissolved (DOC)	SM	EET CHI
SM 5310C	TOC	SM	EET CHI
1630	Distillation, Methyl Mercury	EPA	EET SSM
1638	Preparation, Total Recoverable Metals	EPA	EET SSM
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET CHI
365.2/365.3/365	Phosphorus, Total	EPA	EET CHI
Distill/Ammonia	Distillation, Ammonia	None	EET CHI
Distill/CN	Distillation, Cyanide	None	EET CHI

Protocol References:

EPA = US Environmental Protection Agency

None = None

SM = "Standard Methods For The Examination Of Water And Wastewater"

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET CHI = Eurofins Chicago, 18410 Crossing Drive, Suite E, Tinley Park, IL 60487, TEL (708)534-5200

EET SSM = Eurofins Seattle Specialty Metals, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

Sample Summary

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267924-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-267924-1	MW-2A_20250505	Water	05/05/25 12:45	05/08/25 09:30
500-267924-2	MW-2A_20250505_FBLL	Water	05/05/25 12:45	05/08/25 09:30
500-267924-3	MW-2B_20250505	Water	05/05/25 14:45	05/08/25 09:30
500-267924-4	MW-2B_20250505_FBLL	Water	05/05/25 14:45	05/08/25 09:30
500-267924-5	MLR-02_20250505	Water	05/05/25 10:30	05/08/25 09:30
500-267924-6	MLR-02_20250505_FBLL	Water	05/05/25 10:30	05/08/25 09:30
500-267924-7	MW-3B_20250505	Water	05/05/25 09:30	05/08/25 09:30
500-267924-8	MW-3B_20250505_FBLL	Water	05/05/25 09:30	05/08/25 09:30
500-267924-9	BNW-01_20250505	Water	05/05/25 15:10	05/08/25 09:30
500-267924-10	BNW-01_20250505_FBLL	Water	05/05/25 15:10	05/08/25 09:30
500-267924-11	PNC-02_20250505	Water	05/05/25 14:30	05/08/25 09:30
500-267924-12	PNC-02_20250505_FBLL	Water	05/05/25 14:30	05/08/25 09:30
500-267924-13	NB1-3_20250505	Water	05/05/25 13:00	05/08/25 09:30
500-267924-14	NB1-3_20250505_FBLL	Water	05/05/25 13:00	05/08/25 09:30
500-267924-15	NB1-1_20250505	Water	05/05/25 12:30	05/08/25 09:30
500-267924-16	NB1-1_20250505_FBLL	Water	05/05/25 12:30	05/08/25 09:30
500-267924-17	DUP-01-GW_20250505	Water	05/05/25 23:59	05/08/25 09:30
500-267924-18	DUP-01-GW_20250505_FBLL	Water	05/05/25 23:59	05/08/25 09:30

Client Sample ID: MW-2A_20250505

Date Collected: 05/05/25 12:45
Date Received: 05/08/25 09:30

Lab Sample ID: 500-267924-1
Matrix: Water

Method: EPA 1630 - Methyl Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		06/12/25 08:50	06/12/25 21:35	1

Method: EPA 1630 - Methyl Mercury - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		06/12/25 08:50	06/12/25 21:46	1

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.28**	**J**	0.50	0.20	ng/L			05/29/25 17:23	1

Method: EPA 1631E - Mercury, Low Level (CVAFS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.57**		0.50	0.20	ng/L			05/30/25 17:35	1

Method: EPA 1638 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.63**		0.050	0.0098	ug/L		05/27/25 13:44	05/27/25 20:13	1

Method: EPA 1638 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.61**		0.050	0.0098	ug/L		05/27/25 13:44	05/27/25 19:36	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<25		100	25	ug/L		05/12/25 15:21	05/14/25 16:13	1
Antimony	<1.3		3.0	1.3	ug/L		05/12/25 15:21	05/14/25 16:13	1
Arsenic	**0.82**	**J**	1.0	0.23	ug/L		05/12/25 15:21	05/14/25 16:13	1
Barium	**490**		2.5	0.73	ug/L		05/12/25 15:21	05/14/25 16:13	1
Beryllium	<0.53		1.0	0.53	ug/L		05/12/25 15:21	05/14/25 16:13	1
Boron	**340**		50	13	ug/L		05/12/25 15:21	05/14/25 16:13	1
Cadmium	<0.17		0.50	0.17	ug/L		05/12/25 15:21	05/14/25 16:13	1
Calcium	**160000**		200	44	ug/L		05/12/25 15:21	05/14/25 16:13	1
Chromium	<1.1		5.0	1.1	ug/L		05/12/25 15:21	05/14/25 16:13	1
Cobalt	**0.88**	**J**	1.0	0.40	ug/L		05/12/25 15:21	05/14/25 16:13	1
Copper	<0.50		2.0	0.50	ug/L		05/12/25 15:21	05/14/25 16:13	1
Iron	**1900**		100	47	ug/L		05/12/25 15:21	05/14/25 16:13	1
Lead	<0.19		0.50	0.19	ug/L		05/12/25 15:21	05/14/25 16:13	1
Lithium	**45**		10	2.5	ug/L		05/12/25 15:21	05/14/25 16:13	1
Magnesium	**48000**		200	49	ug/L		05/12/25 15:21	05/14/25 16:13	1
Manganese	**1500**		2.5	0.79	ug/L		05/12/25 15:21	05/14/25 16:13	1
Molybdenum	<2.5		5.0	2.5	ug/L		05/12/25 15:21	05/14/25 16:13	1
Nickel	**0.92**	**J**	2.0	0.63	ug/L		05/12/25 15:21	05/14/25 16:13	1
Potassium	**1800**		500	110	ug/L		05/12/25 15:21	05/14/25 16:13	1
Selenium	<0.98		2.5	0.98	ug/L		05/12/25 15:21	05/14/25 16:13	1
Silver	<0.12		0.50	0.12	ug/L		05/12/25 15:21	05/14/25 16:13	1
Sodium	**50000**	**B**	200	77	ug/L		05/12/25 15:21	05/14/25 16:13	1
Strontium	**2100**		4.0	0.64	ug/L		05/12/25 15:21	05/14/25 16:13	1
Thallium	<0.57		2.0	0.57	ug/L		05/12/25 15:21	05/14/25 16:13	1
Tin	**1.3**	**J**	5.0	1.3	ug/L		05/12/25 15:21	05/14/25 16:13	1
Vanadium	<2.2		5.0	2.2	ug/L		05/12/25 15:21	05/14/25 16:13	1
Zinc	<6.9		20	6.9	ug/L		05/12/25 15:21	05/14/25 16:13	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267924-1

Client Sample ID: MW-2A_20250505

Date Collected: 05/05/25 12:45
Date Received: 05/08/25 09:30

Lab Sample ID: 500-267924-1

Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<25		100	25	ug/L		05/12/25 15:21	05/14/25 16:16	1
Antimony	<1.3		3.0	1.3	ug/L		05/12/25 15:21	05/14/25 16:16	1
Arsenic	**0.71**	**J**	1.0	0.23	ug/L		05/12/25 15:21	05/14/25 16:16	1
Barium	**500**		2.5	0.73	ug/L		05/12/25 15:21	05/14/25 16:16	1
Beryllium	<0.53		1.0	0.53	ug/L		05/12/25 15:21	05/14/25 16:16	1
Boron	**330**		50	13	ug/L		05/12/25 15:21	05/14/25 16:16	1
Cadmium	<0.17		0.50	0.17	ug/L		05/12/25 15:21	05/14/25 16:16	1
Calcium	**170000**		200	44	ug/L		05/12/25 15:21	05/14/25 16:16	1
Chromium	<1.1		5.0	1.1	ug/L		05/12/25 15:21	05/14/25 16:16	1
Cobalt	**0.87**	**J**	1.0	0.40	ug/L		05/12/25 15:21	05/14/25 16:16	1
Copper	<0.50		2.0	0.50	ug/L		05/12/25 15:21	05/14/25 16:16	1
Iron	**1600**		100	47	ug/L		05/12/25 15:21	05/14/25 16:16	1
Lead	<0.19		0.50	0.19	ug/L		05/12/25 15:21	05/14/25 16:16	1
Lithium	**44**		10	2.5	ug/L		05/12/25 15:21	05/14/25 16:16	1
Magnesium	**50000**		200	49	ug/L		05/12/25 15:21	05/14/25 16:16	1
Manganese	**1600**		2.5	0.79	ug/L		05/12/25 15:21	05/14/25 16:16	1
Molybdenum	<2.5		5.0	2.5	ug/L		05/12/25 15:21	05/14/25 16:16	1
Nickel	**0.92**	**J**	2.0	0.63	ug/L		05/12/25 15:21	05/14/25 16:16	1
Potassium	**1900**		500	110	ug/L		05/12/25 15:21	05/14/25 16:16	1
Selenium	<0.98		2.5	0.98	ug/L		05/12/25 15:21	05/14/25 16:16	1
Silver	<0.12		0.50	0.12	ug/L		05/12/25 15:21	05/14/25 16:16	1
Sodium	**50000**	**B**	200	77	ug/L		05/12/25 15:21	05/14/25 16:16	1
Strontium	**2200**		4.0	0.64	ug/L		05/12/25 15:21	05/14/25 16:16	1
Thallium	<0.57		2.0	0.57	ug/L		05/12/25 15:21	05/14/25 16:16	1
Tin	<1.3		5.0	1.3	ug/L		05/12/25 15:21	05/14/25 16:16	1
Vanadium	<2.2		5.0	2.2	ug/L		05/12/25 15:21	05/14/25 16:16	1
Zinc	<6.9		20	6.9	ug/L		05/12/25 15:21	05/14/25 16:16	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**610**		0.91	0.46	mg/L		05/12/25 15:21	05/15/25 09:25	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	**1.2**		1.0	0.45	mg/L			05/08/25 15:58	1
Nitrate as N (EPA 300.0)	<0.37	H3	1.0	0.37	mg/L			05/08/25 15:58	1
Chloride (EPA 300.0)	**100**		1.0	0.42	mg/L			05/08/25 15:58	1
Nitrite as N (EPA 300.0)	<0.25	H3	1.0	0.25	mg/L			05/08/25 15:58	1
Fluoride (EPA 300.0)	<0.43		1.0	0.43	mg/L			05/08/25 15:58	1
Nitrate Nitrite as N (EPA 300.0)	<0.37	H3	1.0	0.37	mg/L			05/08/25 15:58	1
Sulfate (EPA 300.0)	**3.5**		1.0	0.47	mg/L			05/08/25 15:58	1
Cyanide, Total (EPA 335.4)	<0.0036		0.0050	0.0036	mg/L		05/13/25 11:59	05/14/25 12:04	1
Ammonia (EPA 350.1)	<0.10		0.20	0.10	mg/L		05/28/25 15:12	05/29/25 10:19	1
Phosphorus as P (EPA 365.1)	<0.024		0.050	0.024	mg/L		05/14/25 10:23	05/19/25 11:53	1
Alkalinity (SM 2320B)	**550**		5.0	3.7	mg/L			05/11/25 13:58	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**550**		5.0	3.7	mg/L			05/11/25 13:58	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<3.7		5.0	3.7	mg/L			05/11/25 13:58	1
Salinity (SM 2520B)	**0.55**		0.33	0.33	psu			05/25/25 07:54	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267924-1

Client Sample ID: MW-2A_20250505
Date Collected: 05/05/25 12:45
Date Received: 05/08/25 09:30

Lab Sample ID: 500-267924-1
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**780**		10	4.3	mg/L			05/11/25 22:44	1
Total Suspended Solids (SM 2540D)	<1.9		5.0	1.9	mg/L			05/08/25 16:05	1
Sulfide (SM 4500 S2 F)	<0.23		1.0	0.23	mg/L			05/08/25 22:42	1
Total Organic Carbon (SM 5310C)	**7.9**		1.0	0.47	mg/L			05/18/25 19:23	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon (SM 5310C)	**6.0**		1.0	0.47	mg/L			05/19/25 03:59	1

Client Sample Results

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267924-1

Client Sample ID: MW-2A_20250505_FBLL
Date Collected: 05/05/25 12:45
Date Received: 05/08/25 09:30

Lab Sample ID: 500-267924-2
Matrix: Water

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.39	J	0.50	0.20	ng/L			05/29/25 17:35	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267924-1

Client Sample ID: MW-2B_20250505

Date Collected: 05/05/25 14:45
Date Received: 05/08/25 09:30

Lab Sample ID: 500-267924-3

Matrix: Water

Method: EPA 1630 - Methyl Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		06/12/25 08:50	06/12/25 21:56	1

Method: EPA 1630 - Methyl Mercury - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		06/12/25 08:50	06/12/25 22:06	1

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.33**	**J**	0.50	0.20	ng/L			05/29/25 17:39	1

Method: EPA 1631E - Mercury, Low Level (CVAFS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.33**	**J**	0.50	0.20	ng/L			05/30/25 17:40	1

Method: EPA 1638 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**15**		0.050	0.0098	ug/L		05/27/25 13:44	05/27/25 20:17	1

Method: EPA 1638 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**15**		0.050	0.0098	ug/L		05/27/25 13:44	05/27/25 18:47	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**170**		100	25	ug/L		05/12/25 15:21	05/14/25 16:18	1
Antimony	<1.3		3.0	1.3	ug/L		05/12/25 15:21	05/14/25 16:18	1
Arsenic	**1.0**		1.0	0.23	ug/L		05/12/25 15:21	05/14/25 16:18	1
Barium	**680**		2.5	0.73	ug/L		05/12/25 15:21	05/14/25 16:18	1
Beryllium	<0.53		1.0	0.53	ug/L		05/12/25 15:21	05/14/25 16:18	1
Boron	**91**		50	13	ug/L		05/12/25 15:21	05/14/25 16:18	1
Cadmium	<0.17		0.50	0.17	ug/L		05/12/25 15:21	05/14/25 16:18	1
Calcium	**100000**		200	44	ug/L		05/12/25 15:21	05/14/25 16:18	1
Chromium	<1.1		5.0	1.1	ug/L		05/12/25 15:21	05/14/25 16:18	1
Cobalt	<0.40		1.0	0.40	ug/L		05/12/25 15:21	05/14/25 16:18	1
Copper	**1.9**	**J**	2.0	0.50	ug/L		05/12/25 15:21	05/14/25 16:18	1
Iron	**220**		100	47	ug/L		05/12/25 15:21	05/14/25 16:18	1
Lead	<0.19		0.50	0.19	ug/L		05/12/25 15:21	05/14/25 16:18	1
Lithium	**28**		10	2.5	ug/L		05/12/25 15:21	05/14/25 16:18	1
Magnesium	**65000**		200	49	ug/L		05/12/25 15:21	05/14/25 16:18	1
Manganese	**300**		2.5	0.79	ug/L		05/12/25 15:21	05/14/25 16:18	1
Molybdenum	<2.5		5.0	2.5	ug/L		05/12/25 15:21	05/14/25 16:18	1
Nickel	**1.6**	**J**	2.0	0.63	ug/L		05/12/25 15:21	05/14/25 16:18	1
Potassium	**2700**		500	110	ug/L		05/12/25 15:21	05/14/25 16:18	1
Selenium	<0.98		2.5	0.98	ug/L		05/12/25 15:21	05/14/25 16:18	1
Silver	<0.12		0.50	0.12	ug/L		05/12/25 15:21	05/14/25 16:18	1
Sodium	**18000**	**B**	200	77	ug/L		05/12/25 15:21	05/14/25 16:18	1
Strontium	**1200**		4.0	0.64	ug/L		05/12/25 15:21	05/14/25 16:18	1
Thallium	<0.57		2.0	0.57	ug/L		05/12/25 15:21	05/14/25 16:18	1
Tin	<1.3		5.0	1.3	ug/L		05/12/25 15:21	05/14/25 16:18	1
Vanadium	**2.8**	**J**	5.0	2.2	ug/L		05/12/25 15:21	05/14/25 16:18	1
Zinc	<6.9		20	6.9	ug/L		05/12/25 15:21	05/14/25 16:18	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267924-1

Client Sample ID: MW-2B_20250505

Date Collected: 05/05/25 14:45
Date Received: 05/08/25 09:30

Lab Sample ID: 500-267924-3

Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<25		100	25	ug/L		05/12/25 15:21	05/14/25 16:21	1
Antimony	<1.3		3.0	1.3	ug/L		05/12/25 15:21	05/14/25 16:21	1
Arsenic	**0.83**	**J**	1.0	0.23	ug/L		05/12/25 15:21	05/14/25 16:21	1
Barium	**660**		2.5	0.73	ug/L		05/12/25 15:21	05/14/25 16:21	1
Beryllium	<0.53		1.0	0.53	ug/L		05/12/25 15:21	05/14/25 16:21	1
Boron	**87**		50	13	ug/L		05/12/25 15:21	05/14/25 16:21	1
Cadmium	<0.17		0.50	0.17	ug/L		05/12/25 15:21	05/14/25 16:21	1
Calcium	**100000**		200	44	ug/L		05/12/25 15:21	05/14/25 16:21	1
Chromium	<1.1		5.0	1.1	ug/L		05/12/25 15:21	05/14/25 16:21	1
Cobalt	<0.40		1.0	0.40	ug/L		05/12/25 15:21	05/14/25 16:21	1
Copper	**0.84**	**J**	2.0	0.50	ug/L		05/12/25 15:21	05/14/25 16:21	1
Iron	**63**	**J**	100	47	ug/L		05/12/25 15:21	05/14/25 16:21	1
Lead	<0.19		0.50	0.19	ug/L		05/12/25 15:21	05/14/25 16:21	1
Lithium	**28**		10	2.5	ug/L		05/12/25 15:21	05/14/25 16:21	1
Magnesium	**63000**		200	49	ug/L		05/12/25 15:21	05/14/25 16:21	1
Manganese	**260**		2.5	0.79	ug/L		05/12/25 15:21	05/14/25 16:21	1
Molybdenum	<2.5		5.0	2.5	ug/L		05/12/25 15:21	05/14/25 16:21	1
Nickel	**1.2**	**J**	2.0	0.63	ug/L		05/12/25 15:21	05/14/25 16:21	1
Potassium	**2600**		500	110	ug/L		05/12/25 15:21	05/14/25 16:21	1
Selenium	<0.98		2.5	0.98	ug/L		05/12/25 15:21	05/14/25 16:21	1
Silver	<0.12		0.50	0.12	ug/L		05/12/25 15:21	05/14/25 16:21	1
Sodium	**18000**	**B**	200	77	ug/L		05/12/25 15:21	05/14/25 16:21	1
Strontium	**1200**		4.0	0.64	ug/L		05/12/25 15:21	05/14/25 16:21	1
Thallium	<0.57		2.0	0.57	ug/L		05/12/25 15:21	05/14/25 16:21	1
Tin	<1.3		5.0	1.3	ug/L		05/12/25 15:21	05/14/25 16:21	1
Vanadium	<2.2		5.0	2.2	ug/L		05/12/25 15:21	05/14/25 16:21	1
Zinc	<6.9		20	6.9	ug/L		05/12/25 15:21	05/14/25 16:21	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**530**		0.91	0.46	mg/L		05/12/25 15:21	05/15/25 09:25	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	<0.45		1.0	0.45	mg/L			05/08/25 16:13	1
Nitrate as N (EPA 300.0)	<0.37	H3	1.0	0.37	mg/L			05/08/25 16:13	1
Chloride (EPA 300.0)	**49**		1.0	0.42	mg/L			05/08/25 16:13	1
Nitrite as N (EPA 300.0)	<0.25	H3	1.0	0.25	mg/L			05/08/25 16:13	1
Fluoride (EPA 300.0)	<0.43		1.0	0.43	mg/L			05/08/25 16:13	1
Nitrate Nitrite as N (EPA 300.0)	<0.37	H3	1.0	0.37	mg/L			05/08/25 16:13	1
Sulfate (EPA 300.0)	**14**		1.0	0.47	mg/L			05/08/25 16:13	1
Cyanide, Total (EPA 335.4)	<0.0036		0.0050	0.0036	mg/L		05/18/25 09:04	05/18/25 11:24	1
Ammonia (EPA 350.1)	<0.10		0.20	0.10	mg/L		05/28/25 15:12	05/29/25 10:19	1
Phosphorus as P (EPA 365.1)	<0.024		0.050	0.024	mg/L		05/14/25 10:23	05/19/25 11:54	1
Alkalinity (SM 2320B)	**450**		5.0	3.7	mg/L			05/11/25 14:09	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**450**		5.0	3.7	mg/L			05/11/25 14:09	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<3.7		5.0	3.7	mg/L			05/11/25 14:09	1
Salinity (SM 2520B)	<0.33		0.33	0.33	psu			05/25/25 07:54	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267924-1

Client Sample ID: MW-2B_20250505
Date Collected: 05/05/25 14:45
Date Received: 05/08/25 09:30

Lab Sample ID: 500-267924-3
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	550		10	4.3	mg/L			05/11/25 22:51	1
Total Suspended Solids (SM 2540D)	4.0	J	5.0	1.9	mg/L			05/08/25 16:08	1
Sulfide (SM 4500 S2 F)	<0.23		1.0	0.23	mg/L			05/08/25 22:46	1
Total Organic Carbon (SM 5310C)	1.8		1.0	0.47	mg/L			05/18/25 19:55	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon (SM 5310C)	7.0	F1	1.0	0.47	mg/L			05/19/25 04:31	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267924-1

Client Sample ID: MW-2B_20250505_FBLL
Date Collected: 05/05/25 14:45
Date Received: 05/08/25 09:30

Lab Sample ID: 500-267924-4
Matrix: Water

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			05/29/25 17:43	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267924-1

Client Sample ID: MLR-02_20250505

Date Collected: 05/05/25 10:30
Date Received: 05/08/25 09:30

Lab Sample ID: 500-267924-5

Matrix: Water

Method: EPA 1630 - Methyl Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	**0.044**	**J**	0.050	0.022	ng/L		06/12/25 08:50	06/12/25 22:16	1

Method: EPA 1630 - Methyl Mercury - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	**0.038**	**J**	0.050	0.022	ng/L		06/12/25 08:50	06/12/25 22:27	1

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**5.1**		0.50	0.20	ng/L			05/29/25 17:48	1

Method: EPA 1631E - Mercury, Low Level (CVAFS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**4.2**		0.50	0.20	ng/L			05/30/25 17:44	1

Method: EPA 1638 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.17**		0.050	0.0098	ug/L		05/27/25 13:44	05/27/25 20:20	1

Method: EPA 1638 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.15**		0.050	0.0098	ug/L		05/27/25 13:44	05/27/25 19:40	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**920**		100	25	ug/L		05/12/25 15:21	05/14/25 16:23	1
Antimony	<1.3		3.0	1.3	ug/L		05/12/25 15:21	05/14/25 16:23	1
Arsenic	**0.60**	**J**	1.0	0.23	ug/L		05/12/25 15:21	05/14/25 16:23	1
Barium	**23**		2.5	0.73	ug/L		05/12/25 15:21	05/14/25 16:23	1
Beryllium	<0.53		1.0	0.53	ug/L		05/12/25 15:21	05/14/25 16:23	1
Boron	**24**	**J**	50	13	ug/L		05/12/25 15:21	05/14/25 16:23	1
Cadmium	<0.17		0.50	0.17	ug/L		05/12/25 15:21	05/14/25 16:23	1
Calcium	**12000**		200	44	ug/L		05/12/25 15:21	05/14/25 16:23	1
Chromium	**1.4**	**J**	5.0	1.1	ug/L		05/12/25 15:21	05/14/25 16:23	1
Cobalt	<0.40		1.0	0.40	ug/L		05/12/25 15:21	05/14/25 16:23	1
Copper	**49**		2.0	0.50	ug/L		05/12/25 15:21	05/14/25 16:23	1
Iron	**950**		100	47	ug/L		05/12/25 15:21	05/14/25 16:23	1
Lead	**0.39**	**J**	0.50	0.19	ug/L		05/12/25 15:21	05/14/25 16:23	1
Lithium	<2.5		10	2.5	ug/L		05/12/25 15:21	05/14/25 16:23	1
Magnesium	**2900**		200	49	ug/L		05/12/25 15:21	05/14/25 16:23	1
Manganese	**26**		2.5	0.79	ug/L		05/12/25 15:21	05/14/25 16:23	1
Molybdenum	<2.5		5.0	2.5	ug/L		05/12/25 15:21	05/14/25 16:23	1
Nickel	**1.0**	**J**	2.0	0.63	ug/L		05/12/25 15:21	05/14/25 16:23	1
Potassium	**950**		500	110	ug/L		05/12/25 15:21	05/14/25 16:23	1
Selenium	<0.98		2.5	0.98	ug/L		05/12/25 15:21	05/14/25 16:23	1
Silver	<0.12		0.50	0.12	ug/L		05/12/25 15:21	05/14/25 16:23	1
Sodium	**4600**	**B**	200	77	ug/L		05/12/25 15:21	05/14/25 16:23	1
Strontium	**31**		4.0	0.64	ug/L		05/12/25 15:21	05/14/25 16:23	1
Thallium	<0.57		2.0	0.57	ug/L		05/12/25 15:21	05/14/25 16:23	1
Tin	<1.3		5.0	1.3	ug/L		05/12/25 15:21	05/14/25 16:23	1
Vanadium	**2.2**	**J**	5.0	2.2	ug/L		05/12/25 15:21	05/14/25 16:23	1
Zinc	<6.9		20	6.9	ug/L		05/12/25 15:21	05/14/25 16:23	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267924-1

Client Sample ID: MLR-02_20250505

Date Collected: 05/05/25 10:30
Date Received: 05/08/25 09:30

Lab Sample ID: 500-267924-5

Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**87**	**J**	100	25	ug/L		05/12/25 15:21	05/14/25 16:25	1
Antimony	<1.3		3.0	1.3	ug/L		05/12/25 15:21	05/14/25 16:25	1
Arsenic	**0.46**	**J**	1.0	0.23	ug/L		05/12/25 15:21	05/14/25 16:25	1
Barium	**17**		2.5	0.73	ug/L		05/12/25 15:21	05/14/25 16:25	1
Beryllium	<0.53		1.0	0.53	ug/L		05/12/25 15:21	05/14/25 16:25	1
Boron	**25**	**J**	50	13	ug/L		05/12/25 15:21	05/14/25 16:25	1
Cadmium	<0.17		0.50	0.17	ug/L		05/12/25 15:21	05/14/25 16:25	1
Calcium	**12000**		200	44	ug/L		05/12/25 15:21	05/14/25 16:25	1
Chromium	<1.1		5.0	1.1	ug/L		05/12/25 15:21	05/14/25 16:25	1
Cobalt	<0.40		1.0	0.40	ug/L		05/12/25 15:21	05/14/25 16:25	1
Copper	**41**		2.0	0.50	ug/L		05/12/25 15:21	05/14/25 16:25	1
Iron	**210**		100	47	ug/L		05/12/25 15:21	05/14/25 16:25	1
Lead	<0.19		0.50	0.19	ug/L		05/12/25 15:21	05/14/25 16:25	1
Lithium	<2.5		10	2.5	ug/L		05/12/25 15:21	05/14/25 16:25	1
Magnesium	**2700**		200	49	ug/L		05/12/25 15:21	05/14/25 16:25	1
Manganese	**34**		2.5	0.79	ug/L		05/12/25 15:21	05/14/25 16:25	1
Molybdenum	<2.5		5.0	2.5	ug/L		05/12/25 15:21	05/14/25 16:25	1
Nickel	<0.63		2.0	0.63	ug/L		05/12/25 15:21	05/14/25 16:25	1
Potassium	**730**		500	110	ug/L		05/12/25 15:21	05/14/25 16:25	1
Selenium	<0.98		2.5	0.98	ug/L		05/12/25 15:21	05/14/25 16:25	1
Silver	<0.12		0.50	0.12	ug/L		05/12/25 15:21	05/14/25 16:25	1
Sodium	**4500**	**B**	200	77	ug/L		05/12/25 15:21	05/14/25 16:25	1
Strontium	**31**		4.0	0.64	ug/L		05/12/25 15:21	05/14/25 16:25	1
Thallium	<0.57		2.0	0.57	ug/L		05/12/25 15:21	05/14/25 16:25	1
Tin	<1.3		5.0	1.3	ug/L		05/12/25 15:21	05/14/25 16:25	1
Vanadium	<2.2		5.0	2.2	ug/L		05/12/25 15:21	05/14/25 16:25	1
Zinc	<6.9		20	6.9	ug/L		05/12/25 15:21	05/14/25 16:25	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**43**		0.91	0.46	mg/L		05/12/25 15:21	05/15/25 09:25	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	<0.45		1.0	0.45	mg/L			05/08/25 16:28	1
Nitrate as N (EPA 300.0)	<0.37	H3	1.0	0.37	mg/L			05/08/25 16:28	1
Chloride (EPA 300.0)	**5.5**		1.0	0.42	mg/L			05/08/25 16:28	1
Nitrite as N (EPA 300.0)	<0.25	H3	1.0	0.25	mg/L			05/08/25 16:28	1
Fluoride (EPA 300.0)	<0.43		1.0	0.43	mg/L			05/08/25 16:28	1
Nitrate Nitrite as N (EPA 300.0)	<0.37	H3	1.0	0.37	mg/L			05/08/25 16:28	1
Sulfate (EPA 300.0)	**1.5**		1.0	0.47	mg/L			05/08/25 16:28	1
Cyanide, Total (EPA 335.4)	<0.0036		0.0050	0.0036	mg/L		05/18/25 09:04	05/18/25 11:24	1
Ammonia (EPA 350.1)	<0.10		0.20	0.10	mg/L		05/28/25 15:12	05/29/25 10:20	1
Phosphorus as P (EPA 365.1)	<0.024		0.050	0.024	mg/L		05/14/25 10:23	05/19/25 11:55	1
Alkalinity (SM 2320B)	**38**		5.0	3.7	mg/L			05/11/25 14:22	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**38**		5.0	3.7	mg/L			05/11/25 14:22	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<3.7		5.0	3.7	mg/L			05/11/25 14:22	1
Salinity (SM 2520B)	<0.33		0.33	0.33	psu			05/25/25 07:54	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267924-1

Client Sample ID: MLR-02_20250505
Date Collected: 05/05/25 10:30
Date Received: 05/08/25 09:30

Lab Sample ID: 500-267924-5
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	72		10	4.3	mg/L			05/11/25 22:57	1
Total Suspended Solids (SM 2540D)	5.4		5.0	1.9	mg/L			05/08/25 16:13	1
Sulfide (SM 4500 S2 F)	<0.23		1.0	0.23	mg/L			05/08/25 22:50	1
Total Organic Carbon (SM 5310C)	12		1.0	0.47	mg/L			05/18/25 20:27	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon (SM 5310C)	12		1.0	0.47	mg/L			05/19/25 06:08	1

Client Sample Results

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267924-1

Client Sample ID: MLR-02_20250505_FBLL
Date Collected: 05/05/25 10:30
Date Received: 05/08/25 09:30

Lab Sample ID: 500-267924-6
Matrix: Water

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			05/29/25 17:52	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267924-1

Client Sample ID: MW-3B_20250505

Date Collected: 05/05/25 09:30
Date Received: 05/08/25 09:30

Lab Sample ID: 500-267924-7

Matrix: Water

Method: EPA 1630 - Methyl Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		06/12/25 08:50	06/12/25 22:37	1

Method: EPA 1630 - Methyl Mercury - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		06/12/25 08:50	06/12/25 22:47	1

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			05/29/25 18:54	1

Method: EPA 1631E - Mercury, Low Level (CVAFS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			05/30/25 17:48	1

Method: EPA 1638 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**41**		0.050	0.0098	ug/L		05/27/25 13:44	05/27/25 20:24	1

Method: EPA 1638 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**41**		0.050	0.0098	ug/L		05/27/25 13:44	05/27/25 19:51	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<25		100	25	ug/L		05/12/25 15:21	05/14/25 16:28	1
Antimony	<1.3		3.0	1.3	ug/L		05/12/25 15:21	05/14/25 16:28	1
Arsenic	**0.34**	**J**	1.0	0.23	ug/L		05/12/25 15:21	05/14/25 16:28	1
Barium	**420**		2.5	0.73	ug/L		05/12/25 15:21	05/14/25 16:28	1
Beryllium	<0.53		1.0	0.53	ug/L		05/12/25 15:21	05/14/25 16:28	1
Boron	**92**		50	13	ug/L		05/12/25 15:21	05/14/25 16:28	1
Cadmium	<0.17		0.50	0.17	ug/L		05/12/25 15:21	05/14/25 16:28	1
Calcium	**82000**		200	44	ug/L		05/12/25 15:21	05/14/25 16:28	1
Chromium	<1.1		5.0	1.1	ug/L		05/12/25 15:21	05/14/25 16:28	1
Cobalt	<0.40		1.0	0.40	ug/L		05/12/25 15:21	05/14/25 16:28	1
Copper	**1.1**	**J**	2.0	0.50	ug/L		05/12/25 15:21	05/14/25 16:28	1
Iron	<47		100	47	ug/L		05/12/25 15:21	05/14/25 16:28	1
Lead	**0.22**	**J**	0.50	0.19	ug/L		05/12/25 15:21	05/14/25 16:28	1
Lithium	**34**		10	2.5	ug/L		05/12/25 15:21	05/14/25 16:28	1
Magnesium	**57000**		200	49	ug/L		05/12/25 15:21	05/14/25 16:28	1
Manganese	**45**		2.5	0.79	ug/L		05/12/25 15:21	05/14/25 16:28	1
Molybdenum	<2.5		5.0	2.5	ug/L		05/12/25 15:21	05/14/25 16:28	1
Nickel	<0.63		2.0	0.63	ug/L		05/12/25 15:21	05/14/25 16:28	1
Potassium	**1300**		500	110	ug/L		05/12/25 15:21	05/14/25 16:28	1
Selenium	<0.98		2.5	0.98	ug/L		05/12/25 15:21	05/14/25 16:28	1
Silver	<0.12		0.50	0.12	ug/L		05/12/25 15:21	05/14/25 16:28	1
Sodium	**30000**	**B**	200	77	ug/L		05/12/25 15:21	05/14/25 16:28	1
Strontium	**1100**		4.0	0.64	ug/L		05/12/25 15:21	05/14/25 16:28	1
Thallium	<0.57		2.0	0.57	ug/L		05/12/25 15:21	05/14/25 16:28	1
Tin	<1.3		5.0	1.3	ug/L		05/12/25 15:21	05/14/25 16:28	1
Vanadium	**3.4**	**J**	5.0	2.2	ug/L		05/12/25 15:21	05/14/25 16:28	1
Zinc	**8.0**	**J**	20	6.9	ug/L		05/12/25 15:21	05/14/25 16:28	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267924-1

Client Sample ID: MW-3B_20250505

Date Collected: 05/05/25 09:30
Date Received: 05/08/25 09:30

Lab Sample ID: 500-267924-7

Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<25		100	25	ug/L		05/12/25 15:21	05/14/25 16:30	1
Antimony	<1.3		3.0	1.3	ug/L		05/12/25 15:21	05/14/25 16:30	1
Arsenic	**0.29**	**J**	1.0	0.23	ug/L		05/12/25 15:21	05/14/25 16:30	1
Barium	**410**		2.5	0.73	ug/L		05/12/25 15:21	05/14/25 16:30	1
Beryllium	<0.53		1.0	0.53	ug/L		05/12/25 15:21	05/14/25 16:30	1
Boron	**89**		50	13	ug/L		05/12/25 15:21	05/14/25 16:30	1
Cadmium	<0.17		0.50	0.17	ug/L		05/12/25 15:21	05/14/25 16:30	1
Calcium	**81000**		200	44	ug/L		05/12/25 15:21	05/14/25 16:30	1
Chromium	<1.1		5.0	1.1	ug/L		05/12/25 15:21	05/14/25 16:30	1
Cobalt	<0.40		1.0	0.40	ug/L		05/12/25 15:21	05/14/25 16:30	1
Copper	**0.60**	**J**	2.0	0.50	ug/L		05/12/25 15:21	05/14/25 16:30	1
Iron	<47		100	47	ug/L		05/12/25 15:21	05/14/25 16:30	1
Lead	<0.19		0.50	0.19	ug/L		05/12/25 15:21	05/14/25 16:30	1
Lithium	**35**		10	2.5	ug/L		05/12/25 15:21	05/14/25 16:30	1
Magnesium	**57000**		200	49	ug/L		05/12/25 15:21	05/14/25 16:30	1
Manganese	**20**		2.5	0.79	ug/L		05/12/25 15:21	05/14/25 16:30	1
Molybdenum	<2.5		5.0	2.5	ug/L		05/12/25 15:21	05/14/25 16:30	1
Nickel	<0.63		2.0	0.63	ug/L		05/12/25 15:21	05/14/25 16:30	1
Potassium	**1300**		500	110	ug/L		05/12/25 15:21	05/14/25 16:30	1
Selenium	**1.2**	**J**	2.5	0.98	ug/L		05/12/25 15:21	05/14/25 16:30	1
Silver	<0.12		0.50	0.12	ug/L		05/12/25 15:21	05/14/25 16:30	1
Sodium	**30000**	**B**	200	77	ug/L		05/12/25 15:21	05/14/25 16:30	1
Strontium	**1100**		4.0	0.64	ug/L		05/12/25 15:21	05/14/25 16:30	1
Thallium	<0.57		2.0	0.57	ug/L		05/12/25 15:21	05/14/25 16:30	1
Tin	<1.3		5.0	1.3	ug/L		05/12/25 15:21	05/14/25 16:30	1
Vanadium	**2.9**	**J**	5.0	2.2	ug/L		05/12/25 15:21	05/14/25 16:30	1
Zinc	**8.5**	**J**	20	6.9	ug/L		05/12/25 15:21	05/14/25 16:30	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**440**		0.91	0.46	mg/L		05/12/25 15:21	05/15/25 09:25	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	<0.45		1.0	0.45	mg/L			05/08/25 16:44	1
Nitrate as N (EPA 300.0)	<0.37	H3	1.0	0.37	mg/L			05/08/25 16:44	1
Chloride (EPA 300.0)	**23**		1.0	0.42	mg/L			05/08/25 16:44	1
Nitrite as N (EPA 300.0)	<0.25	H3	1.0	0.25	mg/L			05/08/25 16:44	1
Fluoride (EPA 300.0)	<0.43		1.0	0.43	mg/L			05/08/25 16:44	1
Nitrate Nitrite as N (EPA 300.0)	<0.37	H3	1.0	0.37	mg/L			05/08/25 16:44	1
Sulfate (EPA 300.0)	**24**		1.0	0.47	mg/L			05/08/25 16:44	1
Cyanide, Total (EPA 335.4)	<0.0036		0.0050	0.0036	mg/L		05/18/25 09:04	05/18/25 11:26	1
Ammonia (EPA 350.1)	<0.10		0.20	0.10	mg/L		05/28/25 15:12	05/29/25 10:20	1
Phosphorus as P (EPA 365.1)	<0.024		0.050	0.024	mg/L		05/14/25 10:23	05/19/25 11:57	1
Alkalinity (SM 2320B)	**430**		5.0	3.7	mg/L			05/11/25 14:31	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**430**		5.0	3.7	mg/L			05/11/25 14:31	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<3.7		5.0	3.7	mg/L			05/11/25 14:31	1
Salinity (SM 2520B)	<0.33		0.33	0.33	psu			05/25/25 07:54	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267924-1

Client Sample ID: MW-3B_20250505
Date Collected: 05/05/25 09:30
Date Received: 05/08/25 09:30

Lab Sample ID: 500-267924-7
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**480**		10	4.3	mg/L			05/11/25 22:59	1
Total Suspended Solids (SM 2540D)	<1.9		5.0	1.9	mg/L			05/08/25 16:15	1
Sulfide (SM 4500 S2 F)	<0.23		1.0	0.23	mg/L			05/08/25 22:54	1
Total Organic Carbon (SM 5310C)	**1.0**		1.0	0.47	mg/L			05/18/25 20:59	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon (SM 5310C)	**1.1**		1.0	0.47	mg/L			05/19/25 07:45	1

Client Sample Results

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267924-1

Client Sample ID: MW-3B_20250505_FBLL

Lab Sample ID: 500-267924-8

Date Collected: 05/05/25 09:30
Matrix: Water
Date Received: 05/08/25 09:30

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			05/29/25 18:58	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267924-1

Client Sample ID: BNW-01_20250505

Date Collected: 05/05/25 15:10
Date Received: 05/08/25 09:30

Lab Sample ID: 500-267924-9

Matrix: Water

Method: EPA 1630 - Methyl Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		06/12/25 08:50	06/12/25 22:57	1

Method: EPA 1630 - Methyl Mercury - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	**0.024**	**J**	0.050	0.022	ng/L		06/12/25 10:18	06/13/25 17:14	1

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			05/29/25 19:02	1

Method: EPA 1631E - Mercury, Low Level (CVAFS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.22**	**J**	0.50	0.20	ng/L			05/30/25 17:52	1

Method: EPA 1638 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.12**		0.050	0.0098	ug/L		05/27/25 13:44	05/27/25 20:50	1

Method: EPA 1638 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.13**		0.050	0.0098	ug/L		05/27/25 13:44	05/27/25 19:55	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<25		100	25	ug/L		05/12/25 15:21	05/14/25 16:38	1
Antimony	<1.3		3.0	1.3	ug/L		05/12/25 15:21	05/14/25 16:38	1
Arsenic	**0.38**	**J**	1.0	0.23	ug/L		05/12/25 15:21	05/14/25 16:38	1
Barium	**30**		2.5	0.73	ug/L		05/12/25 15:21	05/14/25 16:38	1
Beryllium	<0.53		1.0	0.53	ug/L		05/12/25 15:21	05/14/25 16:38	1
Boron	**14**	**J**	50	13	ug/L		05/12/25 15:21	05/14/25 16:38	1
Cadmium	<0.17		0.50	0.17	ug/L		05/12/25 15:21	05/14/25 16:38	1
Calcium	**39000**		200	44	ug/L		05/12/25 15:21	05/14/25 16:38	1
Chromium	<1.1		5.0	1.1	ug/L		05/12/25 15:21	05/14/25 16:38	1
Cobalt	<0.40		1.0	0.40	ug/L		05/12/25 15:21	05/14/25 16:38	1
Copper	**1.7**	**J**	2.0	0.50	ug/L		05/12/25 15:21	05/14/25 16:38	1
Iron	**140**		100	47	ug/L		05/12/25 15:21	05/14/25 16:38	1
Lead	<0.19		0.50	0.19	ug/L		05/12/25 15:21	05/14/25 16:38	1
Lithium	<2.5		10	2.5	ug/L		05/12/25 15:21	05/14/25 16:38	1
Magnesium	**6500**		200	49	ug/L		05/12/25 15:21	05/14/25 16:38	1
Manganese	**17**		2.5	0.79	ug/L		05/12/25 15:21	05/14/25 16:38	1
Molybdenum	<2.5		5.0	2.5	ug/L		05/12/25 15:21	05/14/25 16:38	1
Nickel	<0.63		2.0	0.63	ug/L		05/12/25 15:21	05/14/25 16:38	1
Potassium	**1400**		500	110	ug/L		05/12/25 15:21	05/14/25 16:38	1
Selenium	<0.98		2.5	0.98	ug/L		05/12/25 15:21	05/14/25 16:38	1
Silver	<0.12		0.50	0.12	ug/L		05/12/25 15:21	05/14/25 16:38	1
Sodium	**1400**	**B**	200	77	ug/L		05/12/25 15:21	05/14/25 16:38	1
Strontium	**87**		4.0	0.64	ug/L		05/12/25 15:21	05/14/25 16:38	1
Thallium	<0.57		2.0	0.57	ug/L		05/12/25 15:21	05/14/25 16:38	1
Tin	<1.3		5.0	1.3	ug/L		05/12/25 15:21	05/14/25 16:38	1
Vanadium	<2.2		5.0	2.2	ug/L		05/12/25 15:21	05/14/25 16:38	1
Zinc	<6.9		20	6.9	ug/L		05/12/25 15:21	05/14/25 16:38	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267924-1

Client Sample ID: BNW-01_20250505

Date Collected: 05/05/25 15:10
Date Received: 05/08/25 09:30

Lab Sample ID: 500-267924-9

Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<25		100	25	ug/L		05/12/25 15:21	05/14/25 16:40	1
Antimony	<1.3		3.0	1.3	ug/L		05/12/25 15:21	05/14/25 16:40	1
Arsenic	**0.35**	**J**	1.0	0.23	ug/L		05/12/25 15:21	05/14/25 16:40	1
Barium	**29**		2.5	0.73	ug/L		05/12/25 15:21	05/14/25 16:40	1
Beryllium	<0.53		1.0	0.53	ug/L		05/12/25 15:21	05/14/25 16:40	1
Boron	**15**	**J**	50	13	ug/L		05/12/25 15:21	05/14/25 16:40	1
Cadmium	<0.17		0.50	0.17	ug/L		05/12/25 15:21	05/14/25 16:40	1
Calcium	**39000**		200	44	ug/L		05/12/25 15:21	05/14/25 16:40	1
Chromium	<1.1		5.0	1.1	ug/L		05/12/25 15:21	05/14/25 16:40	1
Cobalt	<0.40		1.0	0.40	ug/L		05/12/25 15:21	05/14/25 16:40	1
Copper	**1.6**	**J**	2.0	0.50	ug/L		05/12/25 15:21	05/14/25 16:40	1
Iron	<47		100	47	ug/L		05/12/25 15:21	05/14/25 16:40	1
Lead	<0.19		0.50	0.19	ug/L		05/12/25 15:21	05/14/25 16:40	1
Lithium	<2.5		10	2.5	ug/L		05/12/25 15:21	05/14/25 16:40	1
Magnesium	**6500**		200	49	ug/L		05/12/25 15:21	05/14/25 16:40	1
Manganese	**6.7**		2.5	0.79	ug/L		05/12/25 15:21	05/14/25 16:40	1
Molybdenum	<2.5		5.0	2.5	ug/L		05/12/25 15:21	05/14/25 16:40	1
Nickel	<0.63		2.0	0.63	ug/L		05/12/25 15:21	05/14/25 16:40	1
Potassium	**1400**		500	110	ug/L		05/12/25 15:21	05/14/25 16:40	1
Selenium	<0.98		2.5	0.98	ug/L		05/12/25 15:21	05/14/25 16:40	1
Silver	<0.12		0.50	0.12	ug/L		05/12/25 15:21	05/14/25 16:40	1
Sodium	**1400**	**B**	200	77	ug/L		05/12/25 15:21	05/14/25 16:40	1
Strontium	**87**		4.0	0.64	ug/L		05/12/25 15:21	05/14/25 16:40	1
Thallium	<0.57		2.0	0.57	ug/L		05/12/25 15:21	05/14/25 16:40	1
Tin	<1.3		5.0	1.3	ug/L		05/12/25 15:21	05/14/25 16:40	1
Vanadium	<2.2		5.0	2.2	ug/L		05/12/25 15:21	05/14/25 16:40	1
Zinc	<6.9		20	6.9	ug/L		05/12/25 15:21	05/14/25 16:40	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**120**		0.91	0.46	mg/L		05/12/25 15:21	05/15/25 09:25	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	<0.45		1.0	0.45	mg/L			05/08/25 16:59	1
Nitrate as N (EPA 300.0)	<0.37	H3	1.0	0.37	mg/L			05/08/25 16:59	1
Chloride (EPA 300.0)	**2.0**		1.0	0.42	mg/L			05/08/25 16:59	1
Nitrite as N (EPA 300.0)	<0.25	H3	1.0	0.25	mg/L			05/08/25 16:59	1
Fluoride (EPA 300.0)	<0.43		1.0	0.43	mg/L			05/08/25 16:59	1
Nitrate Nitrite as N (EPA 300.0)	<0.37	H3	1.0	0.37	mg/L			05/08/25 16:59	1
Sulfate (EPA 300.0)	<0.47		1.0	0.47	mg/L			05/08/25 16:59	1
Cyanide, Total (EPA 335.4)	<0.0036		0.0050	0.0036	mg/L		05/18/25 09:04	05/18/25 11:26	1
Ammonia (EPA 350.1)	<0.10		0.20	0.10	mg/L		05/28/25 15:12	05/29/25 10:21	1
Phosphorus as P (EPA 365.1)	<0.024		0.050	0.024	mg/L		05/14/25 10:23	05/19/25 11:58	1
Alkalinity (SM 2320B)	**120**		5.0	3.7	mg/L			05/11/25 14:42	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**120**		5.0	3.7	mg/L			05/11/25 14:42	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<3.7		5.0	3.7	mg/L			05/11/25 14:42	1
Salinity (SM 2520B)	<0.33		0.33	0.33	psu			05/25/25 07:54	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267924-1

Client Sample ID: BNW-01_20250505
Date Collected: 05/05/25 15:10
Date Received: 05/08/25 09:30

Lab Sample ID: 500-267924-9
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	140		10	4.3	mg/L			05/11/25 23:02	1
Total Suspended Solids (SM 2540D)	2.2	J	5.0	1.9	mg/L			05/08/25 16:17	1
Sulfide (SM 4500 S2 F)	1.2		1.0	0.23	mg/L			05/08/25 22:58	1
Total Organic Carbon (SM 5310C)	5.4		1.0	0.47	mg/L			05/18/25 21:32	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon (SM 5310C)	5.4		1.0	0.47	mg/L			05/19/25 08:17	1

Client Sample Results

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267924-1

Client Sample ID: BNW-01_20250505_FBLL
Date Collected: 05/05/25 15:10
Date Received: 05/08/25 09:30

Lab Sample ID: 500-267924-10
Matrix: Water

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			05/30/25 17:56	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267924-1

Client Sample ID: PNC-02_20250505

Date Collected: 05/05/25 14:30
Date Received: 05/08/25 09:30

Lab Sample ID: 500-267924-11

Matrix: Water

Method: EPA 1630 - Methyl Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	**0.040**	**J**	0.050	0.022	ng/L		06/12/25 10:18	06/13/25 17:24	1

Method: EPA 1630 - Methyl Mercury - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		06/12/25 10:18	06/13/25 17:34	1

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**2.9**		0.50	0.20	ng/L			05/30/25 18:09	1

Method: EPA 1631E - Mercury, Low Level (CVAFS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**2.6**		0.50	0.20	ng/L			05/30/25 18:13	1

Method: EPA 1638 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.17**		0.050	0.0098	ug/L		05/27/25 13:44	05/27/25 21:20	1

Method: EPA 1638 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.15**		0.050	0.0098	ug/L		05/27/25 13:44	05/27/25 19:58	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**1100**		100	25	ug/L		05/12/25 15:21	05/14/25 16:42	1
Antimony	<1.3		3.0	1.3	ug/L		05/12/25 15:21	05/14/25 16:42	1
Arsenic	**0.51**	**J**	1.0	0.23	ug/L		05/12/25 15:21	05/14/25 16:42	1
Barium	**32**		2.5	0.73	ug/L		05/12/25 15:21	05/14/25 16:42	1
Beryllium	<0.53		1.0	0.53	ug/L		05/12/25 15:21	05/14/25 16:42	1
Boron	**14**	**J**	50	13	ug/L		05/12/25 15:21	05/14/25 16:42	1
Cadmium	<0.17		0.50	0.17	ug/L		05/12/25 15:21	05/14/25 16:42	1
Calcium	**16000**		200	44	ug/L		05/12/25 15:21	05/14/25 16:42	1
Chromium	**1.7**	**J**	5.0	1.1	ug/L		05/12/25 15:21	05/14/25 16:42	1
Cobalt	**0.54**	**J**	1.0	0.40	ug/L		05/12/25 15:21	05/14/25 16:42	1
Copper	**23**		2.0	0.50	ug/L		05/12/25 15:21	05/14/25 16:42	1
Iron	**1200**		100	47	ug/L		05/12/25 15:21	05/14/25 16:42	1
Lead	**0.40**	**J**	0.50	0.19	ug/L		05/12/25 15:21	05/14/25 16:42	1
Lithium	<2.5		10	2.5	ug/L		05/12/25 15:21	05/14/25 16:42	1
Magnesium	**4000**		200	49	ug/L		05/12/25 15:21	05/14/25 16:42	1
Manganese	**79**		2.5	0.79	ug/L		05/12/25 15:21	05/14/25 16:42	1
Molybdenum	<2.5		5.0	2.5	ug/L		05/12/25 15:21	05/14/25 16:42	1
Nickel	**1.4**	**J**	2.0	0.63	ug/L		05/12/25 15:21	05/14/25 16:42	1
Potassium	**1200**		500	110	ug/L		05/12/25 15:21	05/14/25 16:42	1
Selenium	<0.98		2.5	0.98	ug/L		05/12/25 15:21	05/14/25 16:42	1
Silver	<0.12		0.50	0.12	ug/L		05/12/25 15:21	05/14/25 16:42	1
Sodium	**1400**	**B**	200	77	ug/L		05/12/25 15:21	05/14/25 16:42	1
Strontium	**51**		4.0	0.64	ug/L		05/12/25 15:21	05/14/25 16:42	1
Thallium	<0.57		2.0	0.57	ug/L		05/12/25 15:21	05/14/25 16:42	1
Tin	<1.3		5.0	1.3	ug/L		05/12/25 15:21	05/14/25 16:42	1
Vanadium	**2.6**	**J**	5.0	2.2	ug/L		05/12/25 15:21	05/14/25 16:42	1
Zinc	<6.9		20	6.9	ug/L		05/12/25 15:21	05/14/25 16:42	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267924-1

Client Sample ID: PNC-02_20250505

Date Collected: 05/05/25 14:30
Date Received: 05/08/25 09:30

Lab Sample ID: 500-267924-11

Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**47**	**J**	100	25	ug/L		05/12/25 15:21	05/14/25 16:45	1
Antimony	<1.3		3.0	1.3	ug/L		05/12/25 15:21	05/14/25 16:45	1
Arsenic	**0.35**	**J**	1.0	0.23	ug/L		05/12/25 15:21	05/14/25 16:45	1
Barium	**24**		2.5	0.73	ug/L		05/12/25 15:21	05/14/25 16:45	1
Beryllium	<0.53		1.0	0.53	ug/L		05/12/25 15:21	05/14/25 16:45	1
Boron	**14**	**J**	50	13	ug/L		05/12/25 15:21	05/14/25 16:45	1
Cadmium	<0.17		0.50	0.17	ug/L		05/12/25 15:21	05/14/25 16:45	1
Calcium	**16000**		200	44	ug/L		05/12/25 15:21	05/14/25 16:45	1
Chromium	<1.1		5.0	1.1	ug/L		05/12/25 15:21	05/14/25 16:45	1
Cobalt	<0.40		1.0	0.40	ug/L		05/12/25 15:21	05/14/25 16:45	1
Copper	**16**		2.0	0.50	ug/L		05/12/25 15:21	05/14/25 16:45	1
Iron	**200**		100	47	ug/L		05/12/25 15:21	05/14/25 16:45	1
Lead	<0.19		0.50	0.19	ug/L		05/12/25 15:21	05/14/25 16:45	1
Lithium	<2.5		10	2.5	ug/L		05/12/25 15:21	05/14/25 16:45	1
Magnesium	**3600**		200	49	ug/L		05/12/25 15:21	05/14/25 16:45	1
Manganese	**50**		2.5	0.79	ug/L		05/12/25 15:21	05/14/25 16:45	1
Molybdenum	<2.5		5.0	2.5	ug/L		05/12/25 15:21	05/14/25 16:45	1
Nickel	<0.63		2.0	0.63	ug/L		05/12/25 15:21	05/14/25 16:45	1
Potassium	**910**		500	110	ug/L		05/12/25 15:21	05/14/25 16:45	1
Selenium	<0.98		2.5	0.98	ug/L		05/12/25 15:21	05/14/25 16:45	1
Silver	<0.12		0.50	0.12	ug/L		05/12/25 15:21	05/14/25 16:45	1
Sodium	**1300**	**B**	200	77	ug/L		05/12/25 15:21	05/14/25 16:45	1
Strontium	**50**		4.0	0.64	ug/L		05/12/25 15:21	05/14/25 16:45	1
Thallium	<0.57		2.0	0.57	ug/L		05/12/25 15:21	05/14/25 16:45	1
Tin	<1.3		5.0	1.3	ug/L		05/12/25 15:21	05/14/25 16:45	1
Vanadium	<2.2		5.0	2.2	ug/L		05/12/25 15:21	05/14/25 16:45	1
Zinc	<6.9		20	6.9	ug/L		05/12/25 15:21	05/14/25 16:45	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**56**		0.91	0.46	mg/L		05/12/25 15:21	05/15/25 09:25	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	<0.45		1.0	0.45	mg/L			05/08/25 17:14	1
Nitrate as N (EPA 300.0)	<0.37	H3	1.0	0.37	mg/L			05/08/25 17:14	1
Chloride (EPA 300.0)	**1.6**		1.0	0.42	mg/L			05/08/25 17:14	1
Nitrite as N (EPA 300.0)	<0.25	H3	1.0	0.25	mg/L			05/08/25 17:14	1
Fluoride (EPA 300.0)	<0.43		1.0	0.43	mg/L			05/08/25 17:14	1
Nitrate Nitrite as N (EPA 300.0)	<0.37	H3	1.0	0.37	mg/L			05/08/25 17:14	1
Sulfate (EPA 300.0)	**0.79**	**J**	1.0	0.47	mg/L			05/08/25 17:14	1
Cyanide, Total (EPA 335.4)	<0.0036		0.0050	0.0036	mg/L		05/18/25 09:04	05/18/25 11:26	1
Ammonia (EPA 350.1)	<0.10		0.20	0.10	mg/L		05/29/25 12:36	05/29/25 15:26	1
Phosphorus as P (EPA 365.1)	**0.030**	**J**	0.050	0.024	mg/L		05/14/25 10:23	05/19/25 11:59	1
Alkalinity (SM 2320B)	**49**		5.0	3.7	mg/L			05/11/25 14:51	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**49**		5.0	3.7	mg/L			05/11/25 14:51	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<3.7		5.0	3.7	mg/L			05/11/25 14:51	1
Salinity (SM 2520B)	<0.33		0.33	0.33	psu			05/25/25 07:54	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267924-1

Client Sample ID: PNC-02_20250505
Date Collected: 05/05/25 14:30
Date Received: 05/08/25 09:30

Lab Sample ID: 500-267924-11
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	32		10	4.3	mg/L			05/11/25 23:04	1
Total Suspended Solids (SM 2540D)	23		5.0	1.9	mg/L			05/08/25 16:22	1
Sulfide (SM 4500 S2 F)	0.51	J	1.0	0.23	mg/L			05/08/25 23:01	1
Total Organic Carbon (SM 5310C)	8.9		1.0	0.47	mg/L			05/18/25 22:04	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon (SM 5310C)	9.0		1.0	0.47	mg/L			05/19/25 08:49	1

Client Sample Results

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267924-1

Client Sample ID: PNC-02_20250505_FBLL
Date Collected: 05/05/25 14:30
Date Received: 05/08/25 09:30

Lab Sample ID: 500-267924-12
Matrix: Water

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.26	J	0.50	0.20	ng/L			05/30/25 18:17	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267924-1

Client Sample ID: NB1-3_20250505

Date Collected: 05/05/25 13:00
Date Received: 05/08/25 09:30

Lab Sample ID: 500-267924-13

Matrix: Water

Method: EPA 1630 - Methyl Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		06/12/25 08:50	06/12/25 20:44	1

Method: EPA 1630 - Methyl Mercury - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		06/12/25 10:18	06/13/25 17:45	1

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.58**		0.50	0.20	ng/L			05/30/25 18:21	1

Method: EPA 1631E - Mercury, Low Level (CVAFS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			05/30/25 18:25	1

Method: EPA 1638 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.014**	**J**	0.050	0.0098	ug/L		05/27/25 13:44	05/27/25 21:23	1

Method: EPA 1638 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.012**	**J**	0.050	0.0098	ug/L		05/27/25 13:44	05/27/25 20:02	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**31**	**J**	100	25	ug/L		05/12/25 15:21	05/14/25 16:47	1
Antimony	<1.3		3.0	1.3	ug/L		05/12/25 15:21	05/14/25 16:47	1
Arsenic	**2.2**		1.0	0.23	ug/L		05/12/25 15:21	05/14/25 16:47	1
Barium	**540**		2.5	0.73	ug/L		05/12/25 15:21	05/14/25 16:47	1
Beryllium	<0.53		1.0	0.53	ug/L		05/12/25 15:21	05/14/25 16:47	1
Boron	**1400**		50	13	ug/L		05/12/25 15:21	05/14/25 16:47	1
Cadmium	<0.17		0.50	0.17	ug/L		05/12/25 15:21	05/14/25 16:47	1
Calcium	**70000**		200	44	ug/L		05/12/25 15:21	05/14/25 16:47	1
Chromium	<1.1		5.0	1.1	ug/L		05/12/25 15:21	05/14/25 16:47	1
Cobalt	<0.40		1.0	0.40	ug/L		05/12/25 15:21	05/14/25 16:47	1
Copper	**1.5**	**J**	2.0	0.50	ug/L		05/12/25 15:21	05/14/25 16:47	1
Iron	**1800**		100	47	ug/L		05/12/25 15:21	05/14/25 16:47	1
Lead	<0.19		0.50	0.19	ug/L		05/12/25 15:21	05/14/25 16:47	1
Lithium	**21**		10	2.5	ug/L		05/12/25 15:21	05/14/25 16:47	1
Magnesium	**5400**		200	49	ug/L		05/12/25 15:21	05/14/25 16:47	1
Manganese	**180**		2.5	0.79	ug/L		05/12/25 15:21	05/14/25 16:47	1
Molybdenum	**20**		5.0	2.5	ug/L		05/12/25 15:21	05/14/25 16:47	1
Nickel	<0.63		2.0	0.63	ug/L		05/12/25 15:21	05/14/25 16:47	1
Potassium	**12000**		500	110	ug/L		05/12/25 15:21	05/14/25 16:47	1
Selenium	<0.98		2.5	0.98	ug/L		05/12/25 15:21	05/14/25 16:47	1
Silver	<0.12		0.50	0.12	ug/L		05/12/25 15:21	05/14/25 16:47	1
Sodium	**110000**	**B**	200	77	ug/L		05/12/25 15:21	05/14/25 16:47	1
Strontium	**1100**		4.0	0.64	ug/L		05/12/25 15:21	05/14/25 16:47	1
Thallium	<0.57		2.0	0.57	ug/L		05/12/25 15:21	05/14/25 16:47	1
Tin	<1.3		5.0	1.3	ug/L		05/12/25 15:21	05/14/25 16:47	1
Vanadium	<2.2		5.0	2.2	ug/L		05/12/25 15:21	05/14/25 16:47	1
Zinc	<6.9		20	6.9	ug/L		05/12/25 15:21	05/14/25 16:47	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267924-1

Client Sample ID: NB1-3_20250505

Date Collected: 05/05/25 13:00
Date Received: 05/08/25 09:30

Lab Sample ID: 500-267924-13

Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<25		100	25	ug/L		05/12/25 15:21	05/14/25 16:50	1
Antimony	<1.3		3.0	1.3	ug/L		05/12/25 15:21	05/14/25 16:50	1
Arsenic	**2.0**		1.0	0.23	ug/L		05/12/25 15:21	05/14/25 16:50	1
Barium	**520**		2.5	0.73	ug/L		05/12/25 15:21	05/14/25 16:50	1
Beryllium	<0.53		1.0	0.53	ug/L		05/12/25 15:21	05/14/25 16:50	1
Boron	**1400**		50	13	ug/L		05/12/25 15:21	05/14/25 16:50	1
Cadmium	<0.17		0.50	0.17	ug/L		05/12/25 15:21	05/14/25 16:50	1
Calcium	**68000**		200	44	ug/L		05/12/25 15:21	05/14/25 16:50	1
Chromium	<1.1		5.0	1.1	ug/L		05/12/25 15:21	05/14/25 16:50	1
Cobalt	<0.40		1.0	0.40	ug/L		05/12/25 15:21	05/14/25 16:50	1
Copper	<0.50		2.0	0.50	ug/L		05/12/25 15:21	05/14/25 16:50	1
Iron	**960**		100	47	ug/L		05/12/25 15:21	05/14/25 16:50	1
Lead	<0.19		0.50	0.19	ug/L		05/12/25 15:21	05/14/25 16:50	1
Lithium	**21**		10	2.5	ug/L		05/12/25 15:21	05/14/25 16:50	1
Magnesium	**5000**		200	49	ug/L		05/12/25 15:21	05/14/25 16:50	1
Manganese	**170**		2.5	0.79	ug/L		05/12/25 15:21	05/14/25 16:50	1
Molybdenum	**19**		5.0	2.5	ug/L		05/12/25 15:21	05/14/25 16:50	1
Nickel	<0.63		2.0	0.63	ug/L		05/12/25 15:21	05/14/25 16:50	1
Potassium	**12000**		500	110	ug/L		05/12/25 15:21	05/14/25 16:50	1
Selenium	<0.98		2.5	0.98	ug/L		05/12/25 15:21	05/14/25 16:50	1
Silver	<0.12		0.50	0.12	ug/L		05/12/25 15:21	05/14/25 16:50	1
Sodium	**110000**	**B**	200	77	ug/L		05/12/25 15:21	05/14/25 16:50	1
Strontium	**1100**		4.0	0.64	ug/L		05/12/25 15:21	05/14/25 16:50	1
Thallium	<0.57		2.0	0.57	ug/L		05/12/25 15:21	05/14/25 16:50	1
Tin	<1.3		5.0	1.3	ug/L		05/12/25 15:21	05/14/25 16:50	1
Vanadium	<2.2		5.0	2.2	ug/L		05/12/25 15:21	05/14/25 16:50	1
Zinc	<6.9		20	6.9	ug/L		05/12/25 15:21	05/14/25 16:50	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**200**		0.91	0.46	mg/L		05/12/25 15:21	05/15/25 09:25	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	**2.6**		1.0	0.45	mg/L			05/08/25 17:30	1
Nitrate as N (EPA 300.0)	<0.37	H3	1.0	0.37	mg/L			05/08/25 17:30	1
Chloride (EPA 300.0)	**260**		10	4.2	mg/L			05/22/25 11:27	10
Nitrite as N (EPA 300.0)	<0.25	H3	1.0	0.25	mg/L			05/08/25 17:30	1
Fluoride (EPA 300.0)	<0.43		1.0	0.43	mg/L			05/08/25 17:30	1
Nitrate Nitrite as N (EPA 300.0)	<0.37	H3	1.0	0.37	mg/L			05/08/25 17:30	1
Sulfate (EPA 300.0)	**1.0**		1.0	0.47	mg/L			05/08/25 17:30	1
Cyanide, Total (EPA 335.4)	<0.0036		0.0050	0.0036	mg/L		05/18/25 09:04	05/18/25 11:29	1
Ammonia (EPA 350.1)	<0.10		0.20	0.10	mg/L		05/29/25 12:36	05/29/25 15:26	1
Phosphorus as P (EPA 365.1)	**0.043**	**J**	0.050	0.024	mg/L		05/14/25 10:23	05/19/25 12:00	1
Alkalinity (SM 2320B)	**65**		5.0	3.7	mg/L			05/11/25 15:00	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**65**		5.0	3.7	mg/L			05/11/25 15:00	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<3.7		5.0	3.7	mg/L			05/11/25 15:00	1
Salinity (SM 2520B)	<0.33		0.33	0.33	psu			05/27/25 07:21	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267924-1

Client Sample ID: NB1-3_20250505
Date Collected: 05/05/25 13:00
Date Received: 05/08/25 09:30

Lab Sample ID: 500-267924-13
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	510		10	4.3	mg/L			05/11/25 23:07	1
Total Suspended Solids (SM 2540D)	3.0	J	5.0	1.9	mg/L			05/08/25 16:25	1
Sulfide (SM 4500 S2 F)	<0.23		1.0	0.23	mg/L			05/08/25 23:05	1
Total Organic Carbon (SM 5310C)	2.6		1.0	0.47	mg/L			05/18/25 22:36	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon (SM 5310C)	3.0		1.0	0.47	mg/L			05/19/25 09:22	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267924-1

Client Sample ID: NB1-3_20250505_FBLL
Date Collected: 05/05/25 13:00
Date Received: 05/08/25 09:30

Lab Sample ID: 500-267924-14
Matrix: Water

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.24	J	0.50	0.20	ng/L			05/30/25 18:29	1

Client Sample ID: NB1-1_20250505
Date Collected: 05/05/25 12:30
Date Received: 05/08/25 09:30

Lab Sample ID: 500-267924-15
Matrix: Water

Method: EPA 1630 - Methyl Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	**0.030**	**J**	0.050	0.022	ng/L		06/12/25 10:18	06/13/25 15:52	1

Method: EPA 1630 - Methyl Mercury - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		06/12/25 10:18	06/13/25 17:55	1

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.85**		0.50	0.20	ng/L			05/30/25 18:33	1

Method: EPA 1631E - Mercury, Low Level (CVAFS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.21**	**J**	0.50	0.20	ng/L			05/30/25 18:38	1

Method: EPA 1638 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.013**	**J**	0.050	0.0098	ug/L		05/27/25 13:44	05/27/25 21:27	1

Method: EPA 1638 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.0098**	**J**	0.050	0.0098	ug/L		05/27/25 13:44	05/27/25 20:06	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**61**	**J**	100	25	ug/L		05/12/25 15:21	05/14/25 16:52	1
Antimony	<1.3		3.0	1.3	ug/L		05/12/25 15:21	05/14/25 16:52	1
Arsenic	**1.5**		1.0	0.23	ug/L		05/12/25 15:21	05/14/25 16:52	1
Barium	**310**		2.5	0.73	ug/L		05/12/25 15:21	05/14/25 16:52	1
Beryllium	<0.53		1.0	0.53	ug/L		05/12/25 15:21	05/14/25 16:52	1
Boron	**1100**		50	13	ug/L		05/12/25 15:21	05/14/25 16:52	1
Cadmium	<0.17		0.50	0.17	ug/L		05/12/25 15:21	05/14/25 16:52	1
Calcium	**74000**		200	44	ug/L		05/12/25 15:21	05/14/25 16:52	1
Chromium	<1.1		5.0	1.1	ug/L		05/12/25 15:21	05/14/25 16:52	1
Cobalt	<0.40		1.0	0.40	ug/L		05/12/25 15:21	05/14/25 16:52	1
Copper	**2.3**		2.0	0.50	ug/L		05/12/25 15:21	05/14/25 16:52	1
Iron	**950**		100	47	ug/L		05/12/25 15:21	05/14/25 16:52	1
Lead	**0.31**	**J**	0.50	0.19	ug/L		05/12/25 15:21	05/14/25 16:52	1
Lithium	**7.4**	**J**	10	2.5	ug/L		05/12/25 15:21	05/14/25 16:52	1
Magnesium	**5300**		200	49	ug/L		05/12/25 15:21	05/14/25 16:52	1
Manganese	**28**		2.5	0.79	ug/L		05/12/25 15:21	05/14/25 16:52	1
Molybdenum	**3.0**	**J**	5.0	2.5	ug/L		05/12/25 15:21	05/14/25 16:52	1
Nickel	<0.63		2.0	0.63	ug/L		05/12/25 15:21	05/14/25 16:52	1
Potassium	**9700**		500	110	ug/L		05/12/25 15:21	05/14/25 16:52	1
Selenium	<0.98		2.5	0.98	ug/L		05/12/25 15:21	05/14/25 16:52	1
Silver	<0.12		0.50	0.12	ug/L		05/12/25 15:21	05/14/25 16:52	1
Sodium	**140000**	**B**	200	77	ug/L		05/12/25 15:21	05/14/25 16:52	1
Strontium	**1000**		4.0	0.64	ug/L		05/12/25 15:21	05/14/25 16:52	1
Thallium	<0.57		2.0	0.57	ug/L		05/12/25 15:21	05/14/25 16:52	1
Tin	<1.3		5.0	1.3	ug/L		05/12/25 15:21	05/14/25 16:52	1
Vanadium	<2.2		5.0	2.2	ug/L		05/12/25 15:21	05/14/25 16:52	1
Zinc	<6.9		20	6.9	ug/L		05/12/25 15:21	05/14/25 16:52	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267924-1

Client Sample ID: NB1-1_20250505

Date Collected: 05/05/25 12:30
Date Received: 05/08/25 09:30

Lab Sample ID: 500-267924-15

Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<25		100	25	ug/L		05/12/25 15:29	05/14/25 12:09	1
Antimony	<1.3		3.0	1.3	ug/L		05/12/25 15:29	05/14/25 12:09	1
Arsenic	**1.5**		1.0	0.23	ug/L		05/12/25 15:29	05/14/25 12:09	1
Barium	**310**		2.5	0.73	ug/L		05/12/25 15:29	05/14/25 12:09	1
Beryllium	<0.53		1.0	0.53	ug/L		05/12/25 15:29	05/14/25 12:09	1
Boron	**1100**		50	13	ug/L		05/12/25 15:29	05/14/25 12:09	1
Cadmium	<0.17		0.50	0.17	ug/L		05/12/25 15:29	05/14/25 12:09	1
Calcium	**74000**		200	44	ug/L		05/12/25 15:29	05/14/25 12:09	1
Chromium	<1.1		5.0	1.1	ug/L		05/12/25 15:29	05/14/25 12:09	1
Cobalt	<0.40		1.0	0.40	ug/L		05/12/25 15:29	05/14/25 12:09	1
Copper	<0.50		2.0	0.50	ug/L		05/12/25 15:29	05/14/25 12:09	1
Iron	<47		100	47	ug/L		05/12/25 15:29	05/14/25 12:09	1
Lead	<0.19		0.50	0.19	ug/L		05/12/25 15:29	05/14/25 12:09	1
Lithium	**6.8**	**J**	10	2.5	ug/L		05/12/25 15:29	05/14/25 12:09	1
Magnesium	**5100**		200	49	ug/L		05/12/25 15:29	05/14/25 12:09	1
Manganese	**24**		2.5	0.79	ug/L		05/12/25 15:29	05/14/25 12:09	1
Molybdenum	<2.5		5.0	2.5	ug/L		05/12/25 15:29	05/14/25 12:09	1
Nickel	<0.63		2.0	0.63	ug/L		05/12/25 15:29	05/14/25 12:09	1
Potassium	**9700**		500	110	ug/L		05/12/25 15:29	05/14/25 12:09	1
Selenium	<0.98		2.5	0.98	ug/L		05/12/25 15:29	05/14/25 12:09	1
Silver	<0.12		0.50	0.12	ug/L		05/12/25 15:29	05/14/25 12:09	1
Sodium	**140000**		200	77	ug/L		05/12/25 15:29	05/14/25 12:09	1
Strontium	**1000**		4.0	0.64	ug/L		05/12/25 15:29	05/14/25 12:09	1
Thallium	<0.57		2.0	0.57	ug/L		05/12/25 15:29	05/14/25 12:09	1
Tin	<1.3		5.0	1.3	ug/L		05/12/25 15:29	05/14/25 12:09	1
Vanadium	<2.2		5.0	2.2	ug/L		05/12/25 15:29	05/14/25 12:09	1
Zinc	<6.9		20	6.9	ug/L		05/12/25 15:29	05/14/25 12:09	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**210**		0.91	0.46	mg/L		05/12/25 15:21	05/15/25 09:25	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	**2.5**		1.0	0.45	mg/L			05/08/25 17:45	1
Nitrate as N (EPA 300.0)	<0.37	H3	1.0	0.37	mg/L			05/08/25 17:45	1
Chloride (EPA 300.0)	**270**		10	4.2	mg/L			05/22/25 11:42	10
Nitrite as N (EPA 300.0)	<0.25	H3	1.0	0.25	mg/L			05/08/25 17:45	1
Fluoride (EPA 300.0)	**0.81**	**J**	1.0	0.43	mg/L			05/08/25 17:45	1
Nitrate Nitrite as N (EPA 300.0)	<0.37	H3	1.0	0.37	mg/L			05/08/25 17:45	1
Sulfate (EPA 300.0)	**61**		1.0	0.47	mg/L			05/08/25 17:45	1
Cyanide, Total (EPA 335.4)	<0.0036		0.0050	0.0036	mg/L		05/18/25 09:04	05/18/25 11:30	1
Ammonia (EPA 350.1)	**0.28**		0.20	0.10	mg/L		05/29/25 12:36	05/29/25 15:27	1
Phosphorus as P (EPA 365.1)	**0.097**		0.050	0.024	mg/L		05/14/25 10:23	05/19/25 12:01	1
Alkalinity (SM 2320B)	**65**		5.0	3.7	mg/L			05/11/25 15:09	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**65**		5.0	3.7	mg/L			05/11/25 15:09	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<3.7		5.0	3.7	mg/L			05/11/25 15:09	1
Salinity (SM 2520B)	**0.40**		0.33	0.33	psu			05/27/25 07:21	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267924-1

Client Sample ID: NB1-1_20250505
Date Collected: 05/05/25 12:30
Date Received: 05/08/25 09:30

Lab Sample ID: 500-267924-15
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	610		10	4.3	mg/L			05/11/25 23:10	1
Total Suspended Solids (SM 2540D)	7.2		5.0	1.9	mg/L			05/08/25 16:27	1
Sulfide (SM 4500 S2 F)	8.3		1.0	0.23	mg/L			05/08/25 23:09	1
Total Organic Carbon (SM 5310C)	3.6		1.0	0.47	mg/L			05/18/25 23:09	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon (SM 5310C)	3.5		1.0	0.47	mg/L			05/19/25 09:54	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267924-1

Client Sample ID: NB1-1_20250505_FBLL
Date Collected: 05/05/25 12:30
Date Received: 05/08/25 09:30

Lab Sample ID: 500-267924-16
Matrix: Water

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			05/30/25 18:42	1

Client Sample ID: DUP-01-GW_20250505

Date Collected: 05/05/25 23:59
Date Received: 05/08/25 09:30

Lab Sample ID: 500-267924-17

Matrix: Water

Method: EPA 1630 - Methyl Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		06/12/25 10:18	06/13/25 18:05	1

Method: EPA 1630 - Methyl Mercury - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		06/12/25 10:18	06/13/25 18:15	1

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.22**	**J**	0.50	0.20	ng/L			05/30/25 18:46	1

Method: EPA 1631E - Mercury, Low Level (CVAFS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.39**	**J**	0.50	0.20	ng/L			05/30/25 18:58	1

Method: EPA 1638 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.64**		0.050	0.0098	ug/L		05/27/25 13:44	05/27/25 21:31	1

Method: EPA 1638 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.63**		0.050	0.0098	ug/L		05/27/25 13:44	05/27/25 20:09	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<25		100	25	ug/L		05/12/25 15:29	05/14/25 12:16	1
Antimony	<1.3		3.0	1.3	ug/L		05/12/25 15:29	05/14/25 12:16	1
Arsenic	**0.85**	**J**	1.0	0.23	ug/L		05/12/25 15:29	05/14/25 12:16	1
Barium	**490**		2.5	0.73	ug/L		05/12/25 15:29	05/14/25 12:16	1
Beryllium	<0.53		1.0	0.53	ug/L		05/12/25 15:29	05/14/25 12:16	1
Boron	**310**		50	13	ug/L		05/12/25 15:29	05/14/25 12:16	1
Cadmium	<0.17		0.50	0.17	ug/L		05/12/25 15:29	05/14/25 12:16	1
Calcium	**160000**		200	44	ug/L		05/12/25 15:29	05/14/25 12:16	1
Chromium	<1.1		5.0	1.1	ug/L		05/12/25 15:29	05/14/25 12:16	1
Cobalt	**0.83**	**J**	1.0	0.40	ug/L		05/12/25 15:29	05/14/25 12:16	1
Copper	<0.50		2.0	0.50	ug/L		05/12/25 15:29	05/14/25 12:16	1
Iron	**1900**		100	47	ug/L		05/12/25 15:29	05/14/25 12:16	1
Lead	<0.19		0.50	0.19	ug/L		05/12/25 15:29	05/14/25 12:16	1
Lithium	**43**		10	2.5	ug/L		05/12/25 15:29	05/14/25 12:16	1
Magnesium	**48000**		200	49	ug/L		05/12/25 15:29	05/14/25 12:16	1
Manganese	**1500**		2.5	0.79	ug/L		05/12/25 15:29	05/14/25 12:16	1
Molybdenum	<2.5		5.0	2.5	ug/L		05/12/25 15:29	05/14/25 12:16	1
Nickel	**0.93**	**J**	2.0	0.63	ug/L		05/12/25 15:29	05/14/25 12:16	1
Potassium	**1800**		500	110	ug/L		05/12/25 15:29	05/14/25 12:16	1
Selenium	<0.98		2.5	0.98	ug/L		05/12/25 15:29	05/14/25 12:16	1
Silver	<0.12		0.50	0.12	ug/L		05/12/25 15:29	05/14/25 12:16	1
Sodium	**49000**		200	77	ug/L		05/12/25 15:29	05/14/25 12:16	1
Strontium	**2100**		4.0	0.64	ug/L		05/12/25 15:29	05/14/25 12:16	1
Thallium	<0.57		2.0	0.57	ug/L		05/12/25 15:29	05/14/25 12:16	1
Tin	<1.3		5.0	1.3	ug/L		05/12/25 15:29	05/14/25 12:16	1
Vanadium	<2.2		5.0	2.2	ug/L		05/12/25 15:29	05/14/25 12:16	1
Zinc	<6.9		20	6.9	ug/L		05/12/25 15:29	05/14/25 12:16	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267924-1

Client Sample ID: DUP-01-GW_20250505

Date Collected: 05/05/25 23:59
Date Received: 05/08/25 09:30

Lab Sample ID: 500-267924-17

Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<25		100	25	ug/L		05/12/25 15:29	05/14/25 12:18	1
Antimony	<1.3		3.0	1.3	ug/L		05/12/25 15:29	05/14/25 12:18	1
Arsenic	**0.76**	**J**	1.0	0.23	ug/L		05/12/25 15:29	05/14/25 12:18	1
Barium	**490**		2.5	0.73	ug/L		05/12/25 15:29	05/14/25 12:18	1
Beryllium	<0.53		1.0	0.53	ug/L		05/12/25 15:29	05/14/25 12:18	1
Boron	**310**		50	13	ug/L		05/12/25 15:29	05/14/25 12:18	1
Cadmium	<0.17		0.50	0.17	ug/L		05/12/25 15:29	05/14/25 12:18	1
Calcium	**160000**		200	44	ug/L		05/12/25 15:29	05/14/25 12:18	1
Chromium	<1.1		5.0	1.1	ug/L		05/12/25 15:29	05/14/25 12:18	1
Cobalt	**0.85**	**J**	1.0	0.40	ug/L		05/12/25 15:29	05/14/25 12:18	1
Copper	<0.50		2.0	0.50	ug/L		05/12/25 15:29	05/14/25 12:18	1
Iron	**1500**		100	47	ug/L		05/12/25 15:29	05/14/25 12:18	1
Lead	<0.19		0.50	0.19	ug/L		05/12/25 15:29	05/14/25 12:18	1
Lithium	**43**		10	2.5	ug/L		05/12/25 15:29	05/14/25 12:18	1
Magnesium	**48000**		200	49	ug/L		05/12/25 15:29	05/14/25 12:18	1
Manganese	**1500**		2.5	0.79	ug/L		05/12/25 15:29	05/14/25 12:18	1
Molybdenum	<2.5		5.0	2.5	ug/L		05/12/25 15:29	05/14/25 12:18	1
Nickel	**0.85**	**J**	2.0	0.63	ug/L		05/12/25 15:29	05/14/25 12:18	1
Potassium	**1800**		500	110	ug/L		05/12/25 15:29	05/14/25 12:18	1
Selenium	<0.98		2.5	0.98	ug/L		05/12/25 15:29	05/14/25 12:18	1
Silver	<0.12		0.50	0.12	ug/L		05/12/25 15:29	05/14/25 12:18	1
Sodium	**48000**		200	77	ug/L		05/12/25 15:29	05/14/25 12:18	1
Strontium	**2100**		4.0	0.64	ug/L		05/12/25 15:29	05/14/25 12:18	1
Thallium	<0.57		2.0	0.57	ug/L		05/12/25 15:29	05/14/25 12:18	1
Tin	<1.3		5.0	1.3	ug/L		05/12/25 15:29	05/14/25 12:18	1
Vanadium	<2.2		5.0	2.2	ug/L		05/12/25 15:29	05/14/25 12:18	1
Zinc	<6.9		20	6.9	ug/L		05/12/25 15:29	05/14/25 12:18	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**600**		0.91	0.46	mg/L		05/12/25 15:29	05/15/25 09:25	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	**1.1**		1.0	0.45	mg/L			05/08/25 18:00	1
Nitrate as N (EPA 300.0)	<0.37	H3	1.0	0.37	mg/L			05/08/25 18:00	1
Chloride (EPA 300.0)	**100**		1.0	0.42	mg/L			05/08/25 18:00	1
Nitrite as N (EPA 300.0)	<0.25	H3	1.0	0.25	mg/L			05/08/25 18:00	1
Fluoride (EPA 300.0)	<0.43		1.0	0.43	mg/L			05/08/25 18:00	1
Nitrate Nitrite as N (EPA 300.0)	<0.37	H3	1.0	0.37	mg/L			05/08/25 18:00	1
Sulfate (EPA 300.0)	**3.7**		1.0	0.47	mg/L			05/08/25 18:00	1
Cyanide, Total (EPA 335.4)	<0.0036		0.0050	0.0036	mg/L		05/18/25 09:04	05/18/25 11:31	1
Ammonia (EPA 350.1)	<0.10		0.20	0.10	mg/L		05/29/25 12:36	05/29/25 15:27	1
Phosphorus as P (EPA 365.1)	<0.024		0.050	0.024	mg/L		05/14/25 10:23	05/19/25 12:02	1
Alkalinity (SM 2320B)	**550**		5.0	3.7	mg/L			05/11/25 15:18	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**550**		5.0	3.7	mg/L			05/11/25 15:18	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<3.7		5.0	3.7	mg/L			05/11/25 15:18	1
Salinity (SM 2520B)	**0.48**		0.33	0.33	psu			05/27/25 07:21	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267924-1

Client Sample ID: DUP-01-GW_20250505
Date Collected: 05/05/25 23:59
Date Received: 05/08/25 09:30

Lab Sample ID: 500-267924-17
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	730		10	4.3	mg/L			05/11/25 23:12	1
Total Suspended Solids (SM 2540D)	2.6	J	5.0	1.9	mg/L			05/08/25 16:30	1
Sulfide (SM 4500 S2 F)	<0.23		1.0	0.23	mg/L			05/08/25 23:13	1
Total Organic Carbon (SM 5310C)	7.9		1.0	0.47	mg/L			05/18/25 23:41	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon (SM 5310C)	8.0		1.0	0.47	mg/L			05/19/25 10:26	1

Client Sample Results

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267924-1

Client Sample ID: DUP-01-GW_20250505_FBLL

Lab Sample ID: 500-267924-18

Date Collected: 05/05/25 23:59
Matrix: Water
Date Received: 05/08/25 09:30

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			05/30/25 19:03	1

Definitions/Glossary

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267924-1

Qualifiers

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F5	Duplicate RPD exceeds limit, and one or both sample results are less than 5 times RL, and the absolute difference between results is < the upper reporting limits for both.
H3	Sample was received and analyzed past holding time. This does not meet regulatory requirements.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Metals

Prep Batch: 7036

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-267924-1	MW-2A_20250505	Dissolved	Water	1638	
500-267924-1	MW-2A_20250505	Total Recoverable	Water	1638	
500-267924-3	MW-2B_20250505	Dissolved	Water	1638	
500-267924-3	MW-2B_20250505	Total Recoverable	Water	1638	
500-267924-5	MLR-02_20250505	Dissolved	Water	1638	
500-267924-5	MLR-02_20250505	Total Recoverable	Water	1638	
500-267924-7	MW-3B_20250505	Dissolved	Water	1638	
500-267924-7	MW-3B_20250505	Total Recoverable	Water	1638	
500-267924-9	BNW-01_20250505	Dissolved	Water	1638	
500-267924-11	PNC-02_20250505	Dissolved	Water	1638	
500-267924-13	NB1-3_20250505	Dissolved	Water	1638	
500-267924-15	NB1-1_20250505	Dissolved	Water	1638	
500-267924-17	DUP-01-GW_20250505	Dissolved	Water	1638	
MB 350-7036/1-A	Method Blank	Total Recoverable	Water	1638	
MB 350-7036/2-A	Method Blank	Total Recoverable	Water	1638	
LCS 350-7036/3-A	Lab Control Sample	Total Recoverable	Water	1638	
LCSD 350-7036/4-A	Lab Control Sample Dup	Total Recoverable	Water	1638	
500-267924-3 MS	MW-2B_20250505	Dissolved	Water	1638	
500-267924-3 MSD	MW-2B_20250505	Dissolved	Water	1638	

Prep Batch: 7037

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-267924-9	BNW-01_20250505	Total Recoverable	Water	1638	
500-267924-11	PNC-02_20250505	Total Recoverable	Water	1638	
500-267924-13	NB1-3_20250505	Total Recoverable	Water	1638	
500-267924-15	NB1-1_20250505	Total Recoverable	Water	1638	
500-267924-17	DUP-01-GW_20250505	Total Recoverable	Water	1638	
MB 350-7037/1-A	Method Blank	Total Recoverable	Water	1638	
MB 350-7037/2-A	Method Blank	Total Recoverable	Water	1638	
LCS 350-7037/3-A	Lab Control Sample	Total Recoverable	Water	1638	
LCSD 350-7037/4-A	Lab Control Sample Dup	Total Recoverable	Water	1638	
500-267924-9 MS	BNW-01_20250505	Total Recoverable	Water	1638	
500-267924-9 MSD	BNW-01_20250505	Total Recoverable	Water	1638	

Analysis Batch: 7063

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-267924-1	MW-2A_20250505	Dissolved	Water	1638	7036
500-267924-1	MW-2A_20250505	Total Recoverable	Water	1638	7036
500-267924-3	MW-2B_20250505	Dissolved	Water	1638	7036
500-267924-3	MW-2B_20250505	Total Recoverable	Water	1638	7036
500-267924-5	MLR-02_20250505	Dissolved	Water	1638	7036
500-267924-5	MLR-02_20250505	Total Recoverable	Water	1638	7036
500-267924-7	MW-3B_20250505	Dissolved	Water	1638	7036
500-267924-7	MW-3B_20250505	Total Recoverable	Water	1638	7036
500-267924-9	BNW-01_20250505	Dissolved	Water	1638	7036
500-267924-9	BNW-01_20250505	Total Recoverable	Water	1638	7037
500-267924-11	PNC-02_20250505	Dissolved	Water	1638	7036
500-267924-11	PNC-02_20250505	Total Recoverable	Water	1638	7037
500-267924-13	NB1-3_20250505	Dissolved	Water	1638	7036
500-267924-13	NB1-3_20250505	Total Recoverable	Water	1638	7037
500-267924-15	NB1-1_20250505	Dissolved	Water	1638	7036

Metals (Continued)

Analysis Batch: 7063 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-267924-15	NB1-1_20250505	Total Recoverable	Water	1638	7037
500-267924-17	DUP-01-GW_20250505	Dissolved	Water	1638	7036
500-267924-17	DUP-01-GW_20250505	Total Recoverable	Water	1638	7037
MB 350-7036/1-A	Method Blank	Total Recoverable	Water	1638	7036
MB 350-7036/2-A	Method Blank	Total Recoverable	Water	1638	7036
MB 350-7037/1-A	Method Blank	Total Recoverable	Water	1638	7037
MB 350-7037/2-A	Method Blank	Total Recoverable	Water	1638	7037
LCS 350-7036/3-A	Lab Control Sample	Total Recoverable	Water	1638	7036
LCS 350-7037/3-A	Lab Control Sample	Total Recoverable	Water	1638	7037
LCSD 350-7036/4-A	Lab Control Sample Dup	Total Recoverable	Water	1638	7036
LCSD 350-7037/4-A	Lab Control Sample Dup	Total Recoverable	Water	1638	7037
500-267924-3 MS	MW-2B_20250505	Dissolved	Water	1638	7036
500-267924-3 MSD	MW-2B_20250505	Dissolved	Water	1638	7036
500-267924-9 MS	BNW-01_20250505	Total Recoverable	Water	1638	7037
500-267924-9 MSD	BNW-01_20250505	Total Recoverable	Water	1638	7037

Analysis Batch: 7110

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-267924-1	MW-2A_20250505	Total/NA	Water	1631E	
500-267924-2	MW-2A_20250505_FBLL	Total/NA	Water	1631E	
500-267924-3	MW-2B_20250505	Total/NA	Water	1631E	
500-267924-4	MW-2B_20250505_FBLL	Total/NA	Water	1631E	
500-267924-5	MLR-02_20250505	Total/NA	Water	1631E	
500-267924-6	MLR-02_20250505_FBLL	Total/NA	Water	1631E	
500-267924-7	MW-3B_20250505	Total/NA	Water	1631E	
500-267924-8	MW-3B_20250505_FBLL	Total/NA	Water	1631E	
500-267924-9	BNW-01_20250505	Total/NA	Water	1631E	
MB 350-7110/17	Method Blank	Total/NA	Water	1631E	
MB 350-7110/18	Method Blank	Total/NA	Water	1631E	
MB 350-7110/19	Method Blank	Total/NA	Water	1631E	
MB 350-7110/68	Method Blank	Total/NA	Water	1631E	
MB 350-7110/69	Method Blank	Total/NA	Water	1631E	
MB 350-7110/70	Method Blank	Total/NA	Water	1631E	
LCS 350-7110/35	Lab Control Sample	Total/NA	Water	1631E	
LCS 350-7110/71	Lab Control Sample	Total/NA	Water	1631E	
LCSD 350-7110/36	Lab Control Sample Dup	Total/NA	Water	1631E	
LCSD 350-7110/72	Lab Control Sample Dup	Total/NA	Water	1631E	

Analysis Batch: 7141

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-267924-1	MW-2A_20250505	Dissolved	Water	1631E	
500-267924-3	MW-2B_20250505	Dissolved	Water	1631E	
500-267924-5	MLR-02_20250505	Dissolved	Water	1631E	
500-267924-7	MW-3B_20250505	Dissolved	Water	1631E	
500-267924-9	BNW-01_20250505	Dissolved	Water	1631E	
500-267924-10	BNW-01_20250505_FBLL	Total/NA	Water	1631E	
500-267924-11	PNC-02_20250505	Dissolved	Water	1631E	
500-267924-11	PNC-02_20250505	Total/NA	Water	1631E	
500-267924-12	PNC-02_20250505_FBLL	Total/NA	Water	1631E	
500-267924-13	NB1-3_20250505	Dissolved	Water	1631E	
500-267924-13	NB1-3_20250505	Total/NA	Water	1631E	

Metals (Continued)

Analysis Batch: 7141 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-267924-14	NB1-3_20250505_FBLL	Total/NA	Water	1631E	
500-267924-15	NB1-1_20250505	Dissolved	Water	1631E	
500-267924-15	NB1-1_20250505	Total/NA	Water	1631E	
500-267924-16	NB1-1_20250505_FBLL	Total/NA	Water	1631E	
500-267924-17	DUP-01-GW_20250505	Dissolved	Water	1631E	
500-267924-17	DUP-01-GW_20250505	Total/NA	Water	1631E	
500-267924-18	DUP-01-GW_20250505_FBLL	Total/NA	Water	1631E	
MB 350-7141/51	Method Blank	Total/NA	Water	1631E	
MB 350-7141/52	Method Blank	Total/NA	Water	1631E	
MB 350-7141/53	Method Blank	Total/NA	Water	1631E	
LCS 350-7141/62	Lab Control Sample	Total/NA	Water	1631E	
LCSD 350-7141/63	Lab Control Sample Dup	Total/NA	Water	1631E	

Prep Batch: 7329

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-267924-1	MW-2A_20250505	Dissolved	Water	1630	
500-267924-1	MW-2A_20250505	Total/NA	Water	1630	
500-267924-3	MW-2B_20250505	Dissolved	Water	1630	
500-267924-3	MW-2B_20250505	Total/NA	Water	1630	
500-267924-5	MLR-02_20250505	Dissolved	Water	1630	
500-267924-5	MLR-02_20250505	Total/NA	Water	1630	
500-267924-7	MW-3B_20250505	Dissolved	Water	1630	
500-267924-7	MW-3B_20250505	Total/NA	Water	1630	
500-267924-9	BNW-01_20250505	Total/NA	Water	1630	
500-267924-13	NB1-3_20250505	Total/NA	Water	1630	
MB 350-7329/1-A	Method Blank	Total/NA	Water	1630	
MB 350-7329/2-A	Method Blank	Total/NA	Water	1630	
MB 350-7329/3-A	Method Blank	Total/NA	Water	1630	
LCS 350-7329/4-A	Lab Control Sample	Total/NA	Water	1630	
LCSD 350-7329/5-A	Lab Control Sample Dup	Total/NA	Water	1630	
500-267924-13 MS	NB1-3_20250505	Total/NA	Water	1630	
500-267924-13 MSD	NB1-3_20250505	Total/NA	Water	1630	

Prep Batch: 7350

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-267924-9	BNW-01_20250505	Dissolved	Water	1630	
500-267924-11	PNC-02_20250505	Dissolved	Water	1630	
500-267924-11	PNC-02_20250505	Total/NA	Water	1630	
500-267924-13	NB1-3_20250505	Dissolved	Water	1630	
500-267924-15	NB1-1_20250505	Dissolved	Water	1630	
500-267924-15	NB1-1_20250505	Total/NA	Water	1630	
500-267924-17	DUP-01-GW_20250505	Dissolved	Water	1630	
500-267924-17	DUP-01-GW_20250505	Total/NA	Water	1630	
MB 350-7350/1-A	Method Blank	Total/NA	Water	1630	
MB 350-7350/2-A	Method Blank	Total/NA	Water	1630	
MB 350-7350/3-A	Method Blank	Total/NA	Water	1630	
LCS 350-7350/4-A	Lab Control Sample	Total/NA	Water	1630	
LCSD 350-7350/5-A	Lab Control Sample Dup	Total/NA	Water	1630	
500-267924-15 MS	NB1-1_20250505	Total/NA	Water	1630	
500-267924-15 MSD	NB1-1_20250505	Total/NA	Water	1630	

Metals

Analysis Batch: 7378

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-267924-1	MW-2A_20250505	Dissolved	Water	1630	7329
500-267924-1	MW-2A_20250505	Total/NA	Water	1630	7329
500-267924-3	MW-2B_20250505	Dissolved	Water	1630	7329
500-267924-3	MW-2B_20250505	Total/NA	Water	1630	7329
500-267924-5	MLR-02_20250505	Dissolved	Water	1630	7329
500-267924-5	MLR-02_20250505	Total/NA	Water	1630	7329
500-267924-7	MW-3B_20250505	Dissolved	Water	1630	7329
500-267924-7	MW-3B_20250505	Total/NA	Water	1630	7329
500-267924-9	BNW-01_20250505	Total/NA	Water	1630	7329
500-267924-13	NB1-3_20250505	Total/NA	Water	1630	7329
MB 350-7329/1-A	Method Blank	Total/NA	Water	1630	7329
MB 350-7329/2-A	Method Blank	Total/NA	Water	1630	7329
MB 350-7329/3-A	Method Blank	Total/NA	Water	1630	7329
LCS 350-7329/4-A	Lab Control Sample	Total/NA	Water	1630	7329
LCSD 350-7329/5-A	Lab Control Sample Dup	Total/NA	Water	1630	7329
500-267924-13 MS	NB1-3_20250505	Total/NA	Water	1630	7329
500-267924-13 MSD	NB1-3_20250505	Total/NA	Water	1630	7329

Analysis Batch: 7410

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-267924-9	BNW-01_20250505	Dissolved	Water	1630	7350
500-267924-11	PNC-02_20250505	Dissolved	Water	1630	7350
500-267924-11	PNC-02_20250505	Total/NA	Water	1630	7350
500-267924-13	NB1-3_20250505	Dissolved	Water	1630	7350
500-267924-15	NB1-1_20250505	Dissolved	Water	1630	7350
500-267924-15	NB1-1_20250505	Total/NA	Water	1630	7350
500-267924-17	DUP-01-GW_20250505	Dissolved	Water	1630	7350
500-267924-17	DUP-01-GW_20250505	Total/NA	Water	1630	7350
MB 350-7350/1-A	Method Blank	Total/NA	Water	1630	7350
MB 350-7350/2-A	Method Blank	Total/NA	Water	1630	7350
MB 350-7350/3-A	Method Blank	Total/NA	Water	1630	7350
LCS 350-7350/4-A	Lab Control Sample	Total/NA	Water	1630	7350
LCSD 350-7350/5-A	Lab Control Sample Dup	Total/NA	Water	1630	7350
500-267924-15 MS	NB1-1_20250505	Total/NA	Water	1630	7350
500-267924-15 MSD	NB1-1_20250505	Total/NA	Water	1630	7350

Prep Batch: 817342

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-267924-1	MW-2A_20250505	Dissolved	Water	3005A	
500-267924-1	MW-2A_20250505	Total Recoverable	Water	3005A	
500-267924-3	MW-2B_20250505	Dissolved	Water	3005A	
500-267924-3	MW-2B_20250505	Total Recoverable	Water	3005A	
500-267924-5	MLR-02_20250505	Dissolved	Water	3005A	
500-267924-5	MLR-02_20250505	Total Recoverable	Water	3005A	
500-267924-7	MW-3B_20250505	Dissolved	Water	3005A	
500-267924-7	MW-3B_20250505	Total Recoverable	Water	3005A	
500-267924-9	BNW-01_20250505	Dissolved	Water	3005A	
500-267924-9	BNW-01_20250505	Total Recoverable	Water	3005A	
500-267924-11	PNC-02_20250505	Dissolved	Water	3005A	
500-267924-11	PNC-02_20250505	Total Recoverable	Water	3005A	
500-267924-13	NB1-3_20250505	Dissolved	Water	3005A	

Metals (Continued)

Prep Batch: 817342 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-267924-13	NB1-3_20250505	Total Recoverable	Water	3005A	
500-267924-15	NB1-1_20250505	Total Recoverable	Water	3005A	
MB 500-817342/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 500-817342/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Prep Batch: 817346

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-267924-15	NB1-1_20250505	Dissolved	Water	3005A	
500-267924-17	DUP-01-GW_20250505	Dissolved	Water	3005A	
500-267924-17	DUP-01-GW_20250505	Total Recoverable	Water	3005A	
MB 500-817346/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 500-817346/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Analysis Batch: 817764

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-267924-1	MW-2A_20250505	Dissolved	Water	6020B	817342
500-267924-1	MW-2A_20250505	Total Recoverable	Water	6020B	817342
500-267924-3	MW-2B_20250505	Dissolved	Water	6020B	817342
500-267924-3	MW-2B_20250505	Total Recoverable	Water	6020B	817342
500-267924-5	MLR-02_20250505	Dissolved	Water	6020B	817342
500-267924-5	MLR-02_20250505	Total Recoverable	Water	6020B	817342
500-267924-7	MW-3B_20250505	Dissolved	Water	6020B	817342
500-267924-7	MW-3B_20250505	Total Recoverable	Water	6020B	817342
500-267924-9	BNW-01_20250505	Dissolved	Water	6020B	817342
500-267924-9	BNW-01_20250505	Total Recoverable	Water	6020B	817342
500-267924-11	PNC-02_20250505	Dissolved	Water	6020B	817342
500-267924-11	PNC-02_20250505	Total Recoverable	Water	6020B	817342
500-267924-13	NB1-3_20250505	Dissolved	Water	6020B	817342
500-267924-13	NB1-3_20250505	Total Recoverable	Water	6020B	817342
500-267924-15	NB1-1_20250505	Dissolved	Water	6020B	817346
500-267924-15	NB1-1_20250505	Total Recoverable	Water	6020B	817342
500-267924-17	DUP-01-GW_20250505	Dissolved	Water	6020B	817346
500-267924-17	DUP-01-GW_20250505	Total Recoverable	Water	6020B	817346
MB 500-817342/1-A	Method Blank	Total Recoverable	Water	6020B	817342
MB 500-817346/1-A	Method Blank	Total Recoverable	Water	6020B	817346
LCS 500-817342/2-A	Lab Control Sample	Total Recoverable	Water	6020B	817342
LCS 500-817346/2-A	Lab Control Sample	Total Recoverable	Water	6020B	817346

Analysis Batch: 817801

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-267924-1	MW-2A_20250505	Total Recoverable	Water	SM 2340B	817342
500-267924-3	MW-2B_20250505	Total Recoverable	Water	SM 2340B	817342
500-267924-5	MLR-02_20250505	Total Recoverable	Water	SM 2340B	817342
500-267924-7	MW-3B_20250505	Total Recoverable	Water	SM 2340B	817342
500-267924-9	BNW-01_20250505	Total Recoverable	Water	SM 2340B	817342
500-267924-11	PNC-02_20250505	Total Recoverable	Water	SM 2340B	817342
500-267924-13	NB1-3_20250505	Total Recoverable	Water	SM 2340B	817342
500-267924-15	NB1-1_20250505	Total Recoverable	Water	SM 2340B	817342
500-267924-17	DUP-01-GW_20250505	Total Recoverable	Water	SM 2340B	817346

General Chemistry

Analysis Batch: 816883

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-267924-1	MW-2A_20250505	Total/NA	Water	300.0	
500-267924-3	MW-2B_20250505	Total/NA	Water	300.0	
500-267924-5	MLR-02_20250505	Total/NA	Water	300.0	
500-267924-7	MW-3B_20250505	Total/NA	Water	300.0	
500-267924-9	BNW-01_20250505	Total/NA	Water	300.0	
500-267924-11	PNC-02_20250505	Total/NA	Water	300.0	
500-267924-13	NB1-3_20250505	Total/NA	Water	300.0	
500-267924-15	NB1-1_20250505	Total/NA	Water	300.0	
500-267924-17	DUP-01-GW_20250505	Total/NA	Water	300.0	
MB 500-816883/3	Method Blank	Total/NA	Water	300.0	
LCS 500-816883/4	Lab Control Sample	Total/NA	Water	300.0	

Analysis Batch: 816884

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-267924-1	MW-2A_20250505	Total/NA	Water	300.0	
500-267924-3	MW-2B_20250505	Total/NA	Water	300.0	
500-267924-5	MLR-02_20250505	Total/NA	Water	300.0	
500-267924-7	MW-3B_20250505	Total/NA	Water	300.0	
500-267924-9	BNW-01_20250505	Total/NA	Water	300.0	
500-267924-11	PNC-02_20250505	Total/NA	Water	300.0	
500-267924-13	NB1-3_20250505	Total/NA	Water	300.0	
500-267924-15	NB1-1_20250505	Total/NA	Water	300.0	
500-267924-17	DUP-01-GW_20250505	Total/NA	Water	300.0	
MB 500-816884/3	Method Blank	Total/NA	Water	300.0	
LCS 500-816884/4	Lab Control Sample	Total/NA	Water	300.0	

Analysis Batch: 816968

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-267924-1	MW-2A_20250505	Total/NA	Water	SM 2540D	
500-267924-3	MW-2B_20250505	Total/NA	Water	SM 2540D	
500-267924-5	MLR-02_20250505	Total/NA	Water	SM 2540D	
500-267924-7	MW-3B_20250505	Total/NA	Water	SM 2540D	
500-267924-9	BNW-01_20250505	Total/NA	Water	SM 2540D	
500-267924-11	PNC-02_20250505	Total/NA	Water	SM 2540D	
500-267924-13	NB1-3_20250505	Total/NA	Water	SM 2540D	
500-267924-15	NB1-1_20250505	Total/NA	Water	SM 2540D	
500-267924-17	DUP-01-GW_20250505	Total/NA	Water	SM 2540D	
MB 500-816968/1	Method Blank	Total/NA	Water	SM 2540D	
LCS 500-816968/2	Lab Control Sample	Total/NA	Water	SM 2540D	
500-267924-9 MS	BNW-01_20250505	Total/NA	Water	SM 2540D	
500-267924-3 DU	MW-2B_20250505	Total/NA	Water	SM 2540D	

Analysis Batch: 816997

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-267924-1	MW-2A_20250505	Total/NA	Water	SM 4500 S2 F	
500-267924-3	MW-2B_20250505	Total/NA	Water	SM 4500 S2 F	
500-267924-5	MLR-02_20250505	Total/NA	Water	SM 4500 S2 F	
500-267924-7	MW-3B_20250505	Total/NA	Water	SM 4500 S2 F	
500-267924-9	BNW-01_20250505	Total/NA	Water	SM 4500 S2 F	
500-267924-11	PNC-02_20250505	Total/NA	Water	SM 4500 S2 F	
500-267924-13	NB1-3_20250505	Total/NA	Water	SM 4500 S2 F	

General Chemistry (Continued)

Analysis Batch: 816997 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-267924-15	NB1-1_20250505	Total/NA	Water	SM 4500 S2 F	
500-267924-17	DUP-01-GW_20250505	Total/NA	Water	SM 4500 S2 F	
MB 500-816997/1	Method Blank	Total/NA	Water	SM 4500 S2 F	
LCS 500-816997/2	Lab Control Sample	Total/NA	Water	SM 4500 S2 F	

Analysis Batch: 817194

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-267924-1	MW-2A_20250505	Total/NA	Water	SM 2540C	
500-267924-3	MW-2B_20250505	Total/NA	Water	SM 2540C	
500-267924-5	MLR-02_20250505	Total/NA	Water	SM 2540C	
500-267924-7	MW-3B_20250505	Total/NA	Water	SM 2540C	
500-267924-9	BNW-01_20250505	Total/NA	Water	SM 2540C	
500-267924-11	PNC-02_20250505	Total/NA	Water	SM 2540C	
500-267924-13	NB1-3_20250505	Total/NA	Water	SM 2540C	
500-267924-15	NB1-1_20250505	Total/NA	Water	SM 2540C	
500-267924-17	DUP-01-GW_20250505	Total/NA	Water	SM 2540C	
MB 500-817194/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-817194/2	Lab Control Sample	Total/NA	Water	SM 2540C	
500-267924-1 MS	MW-2A_20250505	Total/NA	Water	SM 2540C	
500-267924-1 DU	MW-2A_20250505	Total/NA	Water	SM 2540C	
500-267924-3 DU	MW-2B_20250505	Total/NA	Water	SM 2540C	

Analysis Batch: 817333

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-267924-1	MW-2A_20250505	Total/NA	Water	SM 2320B	
500-267924-3	MW-2B_20250505	Total/NA	Water	SM 2320B	
500-267924-5	MLR-02_20250505	Total/NA	Water	SM 2320B	
500-267924-7	MW-3B_20250505	Total/NA	Water	SM 2320B	
500-267924-9	BNW-01_20250505	Total/NA	Water	SM 2320B	
500-267924-11	PNC-02_20250505	Total/NA	Water	SM 2320B	
500-267924-13	NB1-3_20250505	Total/NA	Water	SM 2320B	
500-267924-15	NB1-1_20250505	Total/NA	Water	SM 2320B	
500-267924-17	DUP-01-GW_20250505	Total/NA	Water	SM 2320B	
MB 500-817333/3	Method Blank	Total/NA	Water	SM 2320B	
LCS 500-817333/4	Lab Control Sample	Total/NA	Water	SM 2320B	

Prep Batch: 817475

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-267924-1	MW-2A_20250505	Total/NA	Water	Distill/CN	
MB 500-817475/1-A	Method Blank	Total/NA	Water	Distill/CN	
LCS 500-817475/2-A	Lab Control Sample	Total/NA	Water	Distill/CN	

Prep Batch: 817630

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-267924-1	MW-2A_20250505	Total/NA	Water	365.2/365.3/365	
500-267924-3	MW-2B_20250505	Total/NA	Water	365.2/365.3/365	
500-267924-5	MLR-02_20250505	Total/NA	Water	365.2/365.3/365	
500-267924-7	MW-3B_20250505	Total/NA	Water	365.2/365.3/365	
500-267924-9	BNW-01_20250505	Total/NA	Water	365.2/365.3/365	
500-267924-11	PNC-02_20250505	Total/NA	Water	365.2/365.3/365	
500-267924-13	NB1-3_20250505	Total/NA	Water	365.2/365.3/365	

General Chemistry (Continued)

Prep Batch: 817630 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-267924-15	NB1-1_20250505	Total/NA	Water	365.2/365.3/365	
500-267924-17	DUP-01-GW_20250505	Total/NA	Water	365.2/365.3/365	
MB 500-817630/1-A	Method Blank	Total/NA	Water	365.2/365.3/365	
LCS 500-817630/2-A	Lab Control Sample	Total/NA	Water	365.2/365.3/365	

Analysis Batch: 817667

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-267924-1	MW-2A_20250505	Total/NA	Water	335.4	817475
MB 500-817475/1-A	Method Blank	Total/NA	Water	335.4	817475
LCS 500-817475/2-A	Lab Control Sample	Total/NA	Water	335.4	817475

Prep Batch: 818111

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-267924-3	MW-2B_20250505	Total/NA	Water	Distill/CN	
500-267924-5	MLR-02_20250505	Total/NA	Water	Distill/CN	
500-267924-7	MW-3B_20250505	Total/NA	Water	Distill/CN	
500-267924-9	BNW-01_20250505	Total/NA	Water	Distill/CN	
500-267924-11	PNC-02_20250505	Total/NA	Water	Distill/CN	
500-267924-13	NB1-3_20250505	Total/NA	Water	Distill/CN	
500-267924-15	NB1-1_20250505	Total/NA	Water	Distill/CN	
500-267924-17	DUP-01-GW_20250505	Total/NA	Water	Distill/CN	
MB 500-818111/1-A	Method Blank	Total/NA	Water	Distill/CN	
LCS 500-818111/2-A	Lab Control Sample	Total/NA	Water	Distill/CN	

Analysis Batch: 818127

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-267924-3	MW-2B_20250505	Total/NA	Water	335.4	818111
500-267924-5	MLR-02_20250505	Total/NA	Water	335.4	818111
500-267924-7	MW-3B_20250505	Total/NA	Water	335.4	818111
500-267924-9	BNW-01_20250505	Total/NA	Water	335.4	818111
500-267924-11	PNC-02_20250505	Total/NA	Water	335.4	818111
500-267924-13	NB1-3_20250505	Total/NA	Water	335.4	818111
500-267924-15	NB1-1_20250505	Total/NA	Water	335.4	818111
500-267924-17	DUP-01-GW_20250505	Total/NA	Water	335.4	818111
MB 500-818111/1-A	Method Blank	Total/NA	Water	335.4	818111
LCS 500-818111/2-A	Lab Control Sample	Total/NA	Water	335.4	818111

Analysis Batch: 818259

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-267924-1	MW-2A_20250505	Total/NA	Water	365.1	817630
500-267924-3	MW-2B_20250505	Total/NA	Water	365.1	817630
500-267924-5	MLR-02_20250505	Total/NA	Water	365.1	817630
500-267924-7	MW-3B_20250505	Total/NA	Water	365.1	817630
500-267924-9	BNW-01_20250505	Total/NA	Water	365.1	817630
500-267924-11	PNC-02_20250505	Total/NA	Water	365.1	817630
500-267924-13	NB1-3_20250505	Total/NA	Water	365.1	817630
500-267924-15	NB1-1_20250505	Total/NA	Water	365.1	817630
500-267924-17	DUP-01-GW_20250505	Total/NA	Water	365.1	817630
MB 500-817630/1-A	Method Blank	Total/NA	Water	365.1	817630
LCS 500-817630/2-A	Lab Control Sample	Total/NA	Water	365.1	817630

General Chemistry

Analysis Batch: 818272

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-267924-1	MW-2A_20250505	Total/NA	Water	SM 5310C	
500-267924-3	MW-2B_20250505	Total/NA	Water	SM 5310C	
500-267924-5	MLR-02_20250505	Total/NA	Water	SM 5310C	
500-267924-7	MW-3B_20250505	Total/NA	Water	SM 5310C	
500-267924-9	BNW-01_20250505	Total/NA	Water	SM 5310C	
500-267924-11	PNC-02_20250505	Total/NA	Water	SM 5310C	
500-267924-13	NB1-3_20250505	Total/NA	Water	SM 5310C	
500-267924-15	NB1-1_20250505	Total/NA	Water	SM 5310C	
500-267924-17	DUP-01-GW_20250505	Total/NA	Water	SM 5310C	
MB 500-818272/7	Method Blank	Total/NA	Water	SM 5310C	
LCS 500-818272/8	Lab Control Sample	Total/NA	Water	SM 5310C	

Analysis Batch: 818280

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-267924-1	MW-2A_20250505	Dissolved	Water	SM 5310C	
500-267924-3	MW-2B_20250505	Dissolved	Water	SM 5310C	
500-267924-5	MLR-02_20250505	Dissolved	Water	SM 5310C	
500-267924-7	MW-3B_20250505	Dissolved	Water	SM 5310C	
500-267924-9	BNW-01_20250505	Dissolved	Water	SM 5310C	
500-267924-11	PNC-02_20250505	Dissolved	Water	SM 5310C	
500-267924-13	NB1-3_20250505	Dissolved	Water	SM 5310C	
500-267924-15	NB1-1_20250505	Dissolved	Water	SM 5310C	
500-267924-17	DUP-01-GW_20250505	Dissolved	Water	SM 5310C	
MB 500-818280/31	Method Blank	Dissolved	Water	SM 5310C	
LCS 500-818280/32	Lab Control Sample	Dissolved	Water	SM 5310C	
500-267924-3 MS	MW-2B_20250505	Dissolved	Water	SM 5310C	
500-267924-3 MSD	MW-2B_20250505	Dissolved	Water	SM 5310C	

Analysis Batch: 818588

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-267924-13	NB1-3_20250505	Total/NA	Water	300.0	
500-267924-15	NB1-1_20250505	Total/NA	Water	300.0	
MB 500-818588/3	Method Blank	Total/NA	Water	300.0	
LCS 500-818588/4	Lab Control Sample	Total/NA	Water	300.0	

Analysis Batch: 818975

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-267924-1	MW-2A_20250505	Total/NA	Water	SM 2520B	
500-267924-3	MW-2B_20250505	Total/NA	Water	SM 2520B	
500-267924-5	MLR-02_20250505	Total/NA	Water	SM 2520B	
500-267924-7	MW-3B_20250505	Total/NA	Water	SM 2520B	
500-267924-9	BNW-01_20250505	Total/NA	Water	SM 2520B	
500-267924-11	PNC-02_20250505	Total/NA	Water	SM 2520B	

Analysis Batch: 819003

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-267924-13	NB1-3_20250505	Total/NA	Water	SM 2520B	
500-267924-15	NB1-1_20250505	Total/NA	Water	SM 2520B	
500-267924-17	DUP-01-GW_20250505	Total/NA	Water	SM 2520B	

General Chemistry

Prep Batch: 819335

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-267924-1	MW-2A_20250505	Total/NA	Water	Distill/Ammonia	
500-267924-3	MW-2B_20250505	Total/NA	Water	Distill/Ammonia	
500-267924-5	MLR-02_20250505	Total/NA	Water	Distill/Ammonia	
500-267924-7	MW-3B_20250505	Total/NA	Water	Distill/Ammonia	
500-267924-9	BNW-01_20250505	Total/NA	Water	Distill/Ammonia	
MB 500-819335/1-A	Method Blank	Total/NA	Water	Distill/Ammonia	
LCS 500-819335/2-A	Lab Control Sample	Total/NA	Water	Distill/Ammonia	

Prep Batch: 819465

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-267924-11	PNC-02_20250505	Total/NA	Water	Distill/Ammonia	
500-267924-13	NB1-3_20250505	Total/NA	Water	Distill/Ammonia	
500-267924-15	NB1-1_20250505	Total/NA	Water	Distill/Ammonia	
500-267924-17	DUP-01-GW_20250505	Total/NA	Water	Distill/Ammonia	
MB 500-819465/1-A	Method Blank	Total/NA	Water	Distill/Ammonia	
LCS 500-819465/2-A	Lab Control Sample	Total/NA	Water	Distill/Ammonia	

Analysis Batch: 819471

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-267924-1	MW-2A_20250505	Total/NA	Water	350.1	819335
500-267924-3	MW-2B_20250505	Total/NA	Water	350.1	819335
500-267924-5	MLR-02_20250505	Total/NA	Water	350.1	819335
500-267924-7	MW-3B_20250505	Total/NA	Water	350.1	819335
500-267924-9	BNW-01_20250505	Total/NA	Water	350.1	819335
MB 500-819335/1-A	Method Blank	Total/NA	Water	350.1	819335
LCS 500-819335/2-A	Lab Control Sample	Total/NA	Water	350.1	819335

Analysis Batch: 819553

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-267924-11	PNC-02_20250505	Total/NA	Water	350.1	819465
500-267924-13	NB1-3_20250505	Total/NA	Water	350.1	819465
500-267924-15	NB1-1_20250505	Total/NA	Water	350.1	819465
500-267924-17	DUP-01-GW_20250505	Total/NA	Water	350.1	819465
MB 500-819465/1-A	Method Blank	Total/NA	Water	350.1	819465
LCS 500-819465/2-A	Lab Control Sample	Total/NA	Water	350.1	819465

Method: 1630 - Methyl Mercury

Lab Sample ID: MB 350-7329/1-A
Matrix: Water
Analysis Batch: 7378

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 7329

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		06/12/25 08:50	06/12/25 14:17	1

Lab Sample ID: MB 350-7329/2-A
Matrix: Water
Analysis Batch: 7378

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 7329

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		06/12/25 08:50	06/12/25 14:27	1

Lab Sample ID: MB 350-7329/3-A
Matrix: Water
Analysis Batch: 7378

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 7329

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		06/12/25 08:50	06/12/25 14:37	1

Lab Sample ID: LCS 350-7329/4-A
Matrix: Water
Analysis Batch: 7378

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 7329

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Methyl Mercury			1.00	0.820		ng/L		82	65 - 135		

Lab Sample ID: LCSD 350-7329/5-A
Matrix: Water
Analysis Batch: 7378

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 7329

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Methyl Mercury			1.00	0.820		ng/L		82	65 - 135	0	35

Lab Sample ID: 500-267924-13 MS
Matrix: Water
Analysis Batch: 7378

Client Sample ID: NB1-3_20250505
Prep Type: Total/NA
Prep Batch: 7329

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Methyl Mercury	<0.022		1.00	0.684		ng/L		68	65 - 135		

Lab Sample ID: 500-267924-13 MSD
Matrix: Water
Analysis Batch: 7378

Client Sample ID: NB1-3_20250505
Prep Type: Total/NA
Prep Batch: 7329

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Methyl Mercury	<0.022		1.00	0.776		ng/L		78	65 - 135	13	35

Lab Sample ID: MB 350-7350/1-A
Matrix: Water
Analysis Batch: 7410

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 7350

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		06/12/25 10:18	06/13/25 15:01	1

Method: 1630 - Methyl Mercury

Lab Sample ID: MB 350-7350/2-A
Matrix: Water
Analysis Batch: 7410

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 7350

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		06/12/25 10:18	06/13/25 15:12	1

Lab Sample ID: MB 350-7350/3-A
Matrix: Water
Analysis Batch: 7410

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 7350

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		06/12/25 10:18	06/13/25 15:22	1

Lab Sample ID: LCS 350-7350/4-A
Matrix: Water
Analysis Batch: 7410

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 7350

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Methyl Mercury			1.00	0.893		ng/L		89	65 - 135		

Lab Sample ID: LCSD 350-7350/5-A
Matrix: Water
Analysis Batch: 7410

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 7350

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Methyl Mercury			1.00	0.919		ng/L		92	65 - 135	3	35

Lab Sample ID: 500-267924-15 MS
Matrix: Water
Analysis Batch: 7410

Client Sample ID: NB1-1_20250505
Prep Type: Total/NA
Prep Batch: 7350

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Methyl Mercury	0.030	J	1.00	0.742		ng/L		71	65 - 135		

Lab Sample ID: 500-267924-15 MSD
Matrix: Water
Analysis Batch: 7410

Client Sample ID: NB1-1_20250505
Prep Type: Total/NA
Prep Batch: 7350

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Methyl Mercury	0.030	J	1.00	0.686		ng/L		66	65 - 135	8	35

Method: 1631E - Mercury, Low Level (CVAFS)

Lab Sample ID: MB 350-7110/17
Matrix: Water
Analysis Batch: 7110

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			05/29/25 14:19	1

Method: 1631E - Mercury, Low Level (CVAFS) (Continued)

Lab Sample ID: MB 350-7110/18
Matrix: Water
Analysis Batch: 7110

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			05/29/25 14:23	1

Lab Sample ID: MB 350-7110/19
Matrix: Water
Analysis Batch: 7110

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			05/29/25 14:27	1

Lab Sample ID: MB 350-7110/68
Matrix: Water
Analysis Batch: 7110

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.247	J	0.50	0.20	ng/L			05/29/25 17:56	1

Lab Sample ID: MB 350-7110/69
Matrix: Water
Analysis Batch: 7110

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			05/29/25 18:00	1

Lab Sample ID: MB 350-7110/70
Matrix: Water
Analysis Batch: 7110

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			05/29/25 18:04	1

Lab Sample ID: LCS 350-7110/35
Matrix: Water
Analysis Batch: 7110

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	5.00	5.27		ng/L		105	77 - 123

Lab Sample ID: LCS 350-7110/71
Matrix: Water
Analysis Batch: 7110

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	5.00	4.80		ng/L		96	77 - 123

Lab Sample ID: LCSD 350-7110/36
Matrix: Water
Analysis Batch: 7110

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	5.00	5.29		ng/L		106	77 - 123	0	24

Method: 1631E - Mercury, Low Level (CVAFS)

Lab Sample ID: LCSD 350-7110/72
Matrix: Water
Analysis Batch: 7110

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury			5.00	4.60		ng/L		92	77 - 123	4	24

Lab Sample ID: MB 350-7141/51
Matrix: Water
Analysis Batch: 7141

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			05/30/25 15:52	1

Lab Sample ID: MB 350-7141/52
Matrix: Water
Analysis Batch: 7141

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			05/30/25 15:56	1

Lab Sample ID: MB 350-7141/53
Matrix: Water
Analysis Batch: 7141

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			05/30/25 16:00	1

Lab Sample ID: LCS 350-7141/62
Matrix: Water
Analysis Batch: 7141

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury			5.00	4.29		ng/L		86	77 - 123		

Lab Sample ID: LCSD 350-7141/63
Matrix: Water
Analysis Batch: 7141

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury			5.00	4.13		ng/L		83	77 - 123	4	24

Method: 1638 - Metals (ICP/MS)

Lab Sample ID: MB 350-7036/1-A
Matrix: Water
Analysis Batch: 7063

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 7036

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	<0.0098		0.050	0.0098	ug/L		05/27/25 13:44	05/27/25 18:21	1

Method: 1638 - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 350-7036/2-A
Matrix: Water
Analysis Batch: 7063

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 7036

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	<0.0098		0.050	0.0098	ug/L		05/27/25 13:44	05/27/25 18:25	1

Lab Sample ID: LCS 350-7036/3-A
Matrix: Water
Analysis Batch: 7063

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 7036

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Uranium	50.0	47.6		ug/L		95	85 - 115

Lab Sample ID: LCSD 350-7036/4-A
Matrix: Water
Analysis Batch: 7063

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 7036

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Uranium	50.0	49.9		ug/L		100	85 - 115	5	20

Lab Sample ID: MB 350-7037/1-A
Matrix: Water
Analysis Batch: 7063

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 7037

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	<0.0098		0.050	0.0098	ug/L		05/27/25 13:44	05/27/25 20:35	1

Lab Sample ID: MB 350-7037/2-A
Matrix: Water
Analysis Batch: 7063

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 7037

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	<0.0098		0.050	0.0098	ug/L		05/27/25 13:44	05/27/25 20:39	1

Lab Sample ID: LCS 350-7037/3-A
Matrix: Water
Analysis Batch: 7063

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 7037

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Uranium	50.0	47.9		ug/L		96	85 - 115

Lab Sample ID: LCSD 350-7037/4-A
Matrix: Water
Analysis Batch: 7063

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 7037

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Uranium	50.0	47.7		ug/L		95	85 - 115	0	20

Lab Sample ID: 500-267924-9 MS
Matrix: Water
Analysis Batch: 7063

Client Sample ID: BNW-01_20250505
Prep Type: Total Recoverable
Prep Batch: 7037

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Uranium	0.12		50.0	47.3		ug/L		94	70 - 130

Method: 1638 - Metals (ICP/MS)

Lab Sample ID: 500-267924-9 MSD
Matrix: Water
Analysis Batch: 7063

Client Sample ID: BNW-01_20250505
Prep Type: Total Recoverable
Prep Batch: 7037

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Uranium	0.12		50.0	47.6		ug/L		95	70 - 130	1	20

Lab Sample ID: 500-267924-3 MS
Matrix: Water
Analysis Batch: 7063

Client Sample ID: MW-2B_20250505
Prep Type: Dissolved
Prep Batch: 7036

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Uranium	15		50.0	67.3		ug/L		104	70 - 130

Lab Sample ID: 500-267924-3 MSD
Matrix: Water
Analysis Batch: 7063

Client Sample ID: MW-2B_20250505
Prep Type: Dissolved
Prep Batch: 7036

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Uranium	15		50.0	67.1		ug/L		104	70 - 130	0	20

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 500-817342/1-A
Matrix: Water
Analysis Batch: 817764

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 817342

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<25		100	25	ug/L		05/12/25 15:21	05/14/25 15:42	1
Antimony	<1.3		3.0	1.3	ug/L		05/12/25 15:21	05/14/25 15:42	1
Arsenic	<0.23		1.0	0.23	ug/L		05/12/25 15:21	05/14/25 15:42	1
Barium	<0.73		2.5	0.73	ug/L		05/12/25 15:21	05/14/25 15:42	1
Beryllium	<0.53		1.0	0.53	ug/L		05/12/25 15:21	05/14/25 15:42	1
Boron	<13		50	13	ug/L		05/12/25 15:21	05/14/25 15:42	1
Cadmium	<0.17		0.50	0.17	ug/L		05/12/25 15:21	05/14/25 15:42	1
Calcium	<44		200	44	ug/L		05/12/25 15:21	05/14/25 15:42	1
Chromium	<1.1		5.0	1.1	ug/L		05/12/25 15:21	05/14/25 15:42	1
Cobalt	<0.40		1.0	0.40	ug/L		05/12/25 15:21	05/14/25 15:42	1
Copper	<0.50		2.0	0.50	ug/L		05/12/25 15:21	05/14/25 15:42	1
Iron	<47		100	47	ug/L		05/12/25 15:21	05/14/25 15:42	1
Lead	<0.19		0.50	0.19	ug/L		05/12/25 15:21	05/14/25 15:42	1
Lithium	<2.5		10	2.5	ug/L		05/12/25 15:21	05/14/25 15:42	1
Magnesium	<49		200	49	ug/L		05/12/25 15:21	05/14/25 15:42	1
Manganese	<0.79		2.5	0.79	ug/L		05/12/25 15:21	05/14/25 15:42	1
Molybdenum	<2.5		5.0	2.5	ug/L		05/12/25 15:21	05/14/25 15:42	1
Nickel	<0.63		2.0	0.63	ug/L		05/12/25 15:21	05/14/25 15:42	1
Potassium	<110		500	110	ug/L		05/12/25 15:21	05/14/25 15:42	1
Selenium	<0.98		2.5	0.98	ug/L		05/12/25 15:21	05/14/25 15:42	1
Silver	<0.12		0.50	0.12	ug/L		05/12/25 15:21	05/14/25 15:42	1
Sodium	117	J	200	77	ug/L		05/12/25 15:21	05/14/25 15:42	1
Strontium	<0.64		4.0	0.64	ug/L		05/12/25 15:21	05/14/25 15:42	1
Thallium	<0.57		2.0	0.57	ug/L		05/12/25 15:21	05/14/25 15:42	1
Tin	<1.3		5.0	1.3	ug/L		05/12/25 15:21	05/14/25 15:42	1
Vanadium	<2.2		5.0	2.2	ug/L		05/12/25 15:21	05/14/25 15:42	1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 500-817342/1-A
Matrix: Water
Analysis Batch: 817764

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 817342

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	<6.9		20	6.9	ug/L		05/12/25 15:21	05/14/25 15:42	1

Lab Sample ID: LCS 500-817342/2-A
Matrix: Water
Analysis Batch: 817764

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 817342

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	2000	1980		ug/L		99	80 - 120
Antimony	500	510		ug/L		102	80 - 120
Arsenic	100	94.2		ug/L		94	80 - 120
Barium	500	501		ug/L		100	80 - 120
Beryllium	50.0	53.7		ug/L		107	80 - 120
Boron	1000	1080		ug/L		108	80 - 120
Cadmium	50.0	50.3		ug/L		101	80 - 120
Calcium	10000	8860		ug/L		89	80 - 120
Chromium	200	201		ug/L		101	80 - 120
Cobalt	500	545		ug/L		109	80 - 120
Copper	250	248		ug/L		99	80 - 120
Iron	1000	1070		ug/L		107	80 - 120
Lead	100	102		ug/L		102	80 - 120
Lithium	100	110		ug/L		110	80 - 120
Magnesium	10000	10500		ug/L		105	80 - 120
Manganese	500	517		ug/L		103	80 - 120
Molybdenum	1000	984		ug/L		98	80 - 120
Nickel	500	494		ug/L		99	80 - 120
Potassium	10000	10300		ug/L		103	80 - 120
Selenium	100	94.7		ug/L		95	80 - 120
Silver	50.0	51.2		ug/L		102	80 - 120
Sodium	10000	10500		ug/L		105	80 - 120
Strontium	1000	961		ug/L		96	80 - 120
Thallium	100	103		ug/L		103	80 - 120
Tin	1000	1010		ug/L		101	80 - 120
Vanadium	500	517		ug/L		103	80 - 120
Zinc	500	486		ug/L		97	80 - 120

Lab Sample ID: MB 500-817346/1-A
Matrix: Water
Analysis Batch: 817764

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 817346

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<25		100	25	ug/L		05/12/25 15:29	05/14/25 11:49	1
Antimony	<1.3		3.0	1.3	ug/L		05/12/25 15:29	05/14/25 11:49	1
Arsenic	<0.23		1.0	0.23	ug/L		05/12/25 15:29	05/14/25 11:49	1
Barium	<0.73		2.5	0.73	ug/L		05/12/25 15:29	05/14/25 11:49	1
Beryllium	<0.53		1.0	0.53	ug/L		05/12/25 15:29	05/14/25 11:49	1
Boron	<13		50	13	ug/L		05/12/25 15:29	05/14/25 11:49	1
Cadmium	<0.17		0.50	0.17	ug/L		05/12/25 15:29	05/14/25 11:49	1
Calcium	<44		200	44	ug/L		05/12/25 15:29	05/14/25 11:49	1
Chromium	<1.1		5.0	1.1	ug/L		05/12/25 15:29	05/14/25 11:49	1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 500-817346/1-A
Matrix: Water
Analysis Batch: 817764

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 817346

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	<0.40		1.0	0.40	ug/L		05/12/25 15:29	05/14/25 11:49	1
Copper	<0.50		2.0	0.50	ug/L		05/12/25 15:29	05/14/25 11:49	1
Iron	<47		100	47	ug/L		05/12/25 15:29	05/14/25 11:49	1
Lead	0.434	J	0.50	0.19	ug/L		05/12/25 15:29	05/14/25 11:49	1
Lithium	<2.5		10	2.5	ug/L		05/12/25 15:29	05/14/25 11:49	1
Magnesium	<49		200	49	ug/L		05/12/25 15:29	05/14/25 11:49	1
Manganese	<0.79		2.5	0.79	ug/L		05/12/25 15:29	05/14/25 11:49	1
Molybdenum	<2.5		5.0	2.5	ug/L		05/12/25 15:29	05/14/25 11:49	1
Nickel	<0.63		2.0	0.63	ug/L		05/12/25 15:29	05/14/25 11:49	1
Potassium	<110		500	110	ug/L		05/12/25 15:29	05/14/25 11:49	1
Selenium	<0.98		2.5	0.98	ug/L		05/12/25 15:29	05/14/25 11:49	1
Silver	<0.12		0.50	0.12	ug/L		05/12/25 15:29	05/14/25 11:49	1
Sodium	<77		200	77	ug/L		05/12/25 15:29	05/14/25 11:49	1
Strontium	<0.64		4.0	0.64	ug/L		05/12/25 15:29	05/14/25 11:49	1
Thallium	<0.57		2.0	0.57	ug/L		05/12/25 15:29	05/14/25 11:49	1
Tin	<1.3		5.0	1.3	ug/L		05/12/25 15:29	05/14/25 11:49	1
Vanadium	<2.2		5.0	2.2	ug/L		05/12/25 15:29	05/14/25 11:49	1
Zinc	<6.9		20	6.9	ug/L		05/12/25 15:29	05/14/25 11:49	1

Lab Sample ID: LCS 500-817346/2-A
Matrix: Water
Analysis Batch: 817764

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 817346

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	2000	1970		ug/L		98	80 - 120
Antimony	500	521		ug/L		104	80 - 120
Arsenic	100	98.5		ug/L		98	80 - 120
Barium	500	508		ug/L		102	80 - 120
Beryllium	50.0	51.6		ug/L		103	80 - 120
Boron	1000	1050		ug/L		105	80 - 120
Cadmium	50.0	51.0		ug/L		102	80 - 120
Calcium	10000	8950		ug/L		90	80 - 120
Chromium	200	202		ug/L		101	80 - 120
Cobalt	500	540		ug/L		108	80 - 120
Copper	250	253		ug/L		101	80 - 120
Iron	1000	1050		ug/L		105	80 - 120
Lead	100	101		ug/L		101	80 - 120
Lithium	100	108		ug/L		108	80 - 120
Magnesium	10000	10500		ug/L		105	80 - 120
Manganese	500	516		ug/L		103	80 - 120
Molybdenum	1000	1000		ug/L		100	80 - 120
Nickel	500	510		ug/L		102	80 - 120
Potassium	10000	10400		ug/L		104	80 - 120
Selenium	100	98.4		ug/L		98	80 - 120
Silver	50.0	52.1		ug/L		104	80 - 120
Sodium	10000	10400		ug/L		104	80 - 120
Strontium	1000	984		ug/L		98	80 - 120
Thallium	100	103		ug/L		103	80 - 120
Tin	1000	1010		ug/L		101	80 - 120

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 500-817346/2-A
Matrix: Water
Analysis Batch: 817764

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 817346

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Vanadium	500	521		ug/L		104	80 - 120
Zinc	500	502		ug/L		100	80 - 120

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 500-816883/3
Matrix: Water
Analysis Batch: 816883

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	<0.45		1.0	0.45	mg/L			05/08/25 10:37	1
Chloride	<0.42		1.0	0.42	mg/L			05/08/25 10:37	1
Fluoride	<0.43		1.0	0.43	mg/L			05/08/25 10:37	1
Sulfate	<0.47		1.0	0.47	mg/L			05/08/25 10:37	1

Lab Sample ID: LCS 500-816883/4
Matrix: Water
Analysis Batch: 816883

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bromide	20.0	18.6		mg/L		93	90 - 110
Chloride	100	103		mg/L		103	90 - 110
Fluoride	20.0	19.7		mg/L		98	90 - 110
Sulfate	100	105		mg/L		105	90 - 110

Lab Sample ID: MB 500-816884/3
Matrix: Water
Analysis Batch: 816884

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	<0.37		1.0	0.37	mg/L			05/08/25 10:37	1
Nitrite as N	<0.25		1.0	0.25	mg/L			05/08/25 10:37	1
Nitrate Nitrite as N	<0.37		1.0	0.37	mg/L			05/08/25 10:37	1

Lab Sample ID: LCS 500-816884/4
Matrix: Water
Analysis Batch: 816884

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate as N	20.0	19.9		mg/L		100	90 - 110
Nitrite as N	20.0	20.1		mg/L		100	90 - 110
Nitrate Nitrite as N	40.0	40.0		mg/L		100	90 - 110

Lab Sample ID: MB 500-818588/3
Matrix: Water
Analysis Batch: 818588

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.42		1.0	0.42	mg/L			05/22/25 10:56	1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 500-818588/4
Matrix: Water
Analysis Batch: 818588

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	100	103		mg/L		103	90 - 110

Method: 335.4 - Cyanide, Total

Lab Sample ID: MB 500-817475/1-A
Matrix: Water
Analysis Batch: 817667

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 817475

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.0036		0.0050	0.0036	mg/L		05/13/25 11:59	05/14/25 11:48	1

Lab Sample ID: LCS 500-817475/2-A
Matrix: Water
Analysis Batch: 817667

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 817475

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.100	0.101		mg/L		101	90 - 110

Lab Sample ID: MB 500-818111/1-A
Matrix: Water
Analysis Batch: 818127

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 818111

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.0036		0.0050	0.0036	mg/L		05/18/25 09:04	05/18/25 11:19	1

Lab Sample ID: LCS 500-818111/2-A
Matrix: Water
Analysis Batch: 818127

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 818111

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.100	0.0940		mg/L		94	90 - 110

Method: 350.1 - Nitrogen, Ammonia

Lab Sample ID: MB 500-819335/1-A
Matrix: Water
Analysis Batch: 819471

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 819335

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	<0.10		0.20	0.10	mg/L		05/28/25 15:12	05/29/25 10:18	1

Lab Sample ID: LCS 500-819335/2-A
Matrix: Water
Analysis Batch: 819471

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 819335

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ammonia	2.00	1.94		mg/L		97	90 - 110

Method: 350.1 - Nitrogen, Ammonia (Continued)

Lab Sample ID: MB 500-819465/1-A
Matrix: Water
Analysis Batch: 819553

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 819465

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	<0.10		0.20	0.10	mg/L		05/29/25 12:36	05/29/25 15:25	1

Lab Sample ID: LCS 500-819465/2-A
Matrix: Water
Analysis Batch: 819553

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 819465

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ammonia	2.00	2.13		mg/L		107	90 - 110

Method: 365.1 - Phosphorus, Total

Lab Sample ID: MB 500-817630/1-A
Matrix: Water
Analysis Batch: 818259

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 817630

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phosphorus as P	<0.024		0.050	0.024	mg/L		05/14/25 10:23	05/19/25 11:40	1

Lab Sample ID: LCS 500-817630/2-A
Matrix: Water
Analysis Batch: 818259

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 817630

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Phosphorus as P	1.00	0.979		mg/L		98	88 - 123

Method: SM 2320B - Alkalinity

Lab Sample ID: MB 500-817333/3
Matrix: Water
Analysis Batch: 817333

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	<3.7		5.0	3.7	mg/L			05/11/25 12:47	1
Bicarbonate Alkalinity as CaCO3	<3.7		5.0	3.7	mg/L			05/11/25 12:47	1
Carbonate Alkalinity as CaCO3	<3.7		5.0	3.7	mg/L			05/11/25 12:47	1

Lab Sample ID: LCS 500-817333/4
Matrix: Water
Analysis Batch: 817333

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Alkalinity	100	110		mg/L		110	95 - 121

Method: SM 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 500-817194/1
Matrix: Water
Analysis Batch: 817194

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<4.3		10	4.3	mg/L			05/11/25 22:39	1

Method: SM 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: LCS 500-817194/2
Matrix: Water
Analysis Batch: 817194

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Dissolved Solids			250	254		mg/L		102	80 - 120		

Lab Sample ID: 500-267924-1 MS
Matrix: Water
Analysis Batch: 817194

Client Sample ID: MW-2A_20250505
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Dissolved Solids	780		250	1060		mg/L		115	75 - 125		

Lab Sample ID: 500-267924-1 DU
Matrix: Water
Analysis Batch: 817194

Client Sample ID: MW-2A_20250505
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	780			750		mg/L				3	5

Lab Sample ID: 500-267924-3 DU
Matrix: Water
Analysis Batch: 817194

Client Sample ID: MW-2B_20250505
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	550			538		mg/L				2	5

Method: SM 2540D - Solids, Total Suspended (TSS)

Lab Sample ID: MB 500-816968/1
Matrix: Water
Analysis Batch: 816968

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	<1.9		5.0	1.9	mg/L			05/08/25 16:01	1

Lab Sample ID: LCS 500-816968/2
Matrix: Water
Analysis Batch: 816968

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Suspended Solids			200	185		mg/L		92	80 - 120		

Lab Sample ID: 500-267924-9 MS
Matrix: Water
Analysis Batch: 816968

Client Sample ID: BNW-01_20250505
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Suspended Solids	2.2	J	100	97.0		mg/L		95	75 - 125		

Method: SM 2540D - Solids, Total Suspended (TSS) (Continued)

Lab Sample ID: 500-267924-3 DU
Matrix: Water
Analysis Batch: 816968

Client Sample ID: MW-2B_20250505
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Suspended Solids	4.0	J	6.00	F5	mg/L		40	5

Method: SM 4500 S2 F - Sulfide, Total

Lab Sample ID: MB 500-816997/1
Matrix: Water
Analysis Batch: 816997

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	<0.23		1.0	0.23	mg/L			05/08/25 21:56	1

Lab Sample ID: LCS 500-816997/2
Matrix: Water
Analysis Batch: 816997

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfide	3.97	3.76		mg/L		95	85 - 115

Method: SM 5310C - TOC

Lab Sample ID: MB 500-818272/7
Matrix: Water
Analysis Batch: 818272

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	<0.47		1.0	0.47	mg/L			05/18/25 12:24	1

Lab Sample ID: LCS 500-818272/8
Matrix: Water
Analysis Batch: 818272

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Organic Carbon	10.0	10.5		mg/L		105	86 - 116

Method: SM 5310C - Organic Carbon, Dissolved (DOC)

Lab Sample ID: MB 500-818280/31
Matrix: Water
Analysis Batch: 818280

Client Sample ID: Method Blank
Prep Type: Dissolved

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon	<0.47		1.0	0.47	mg/L			05/19/25 01:18	1

Lab Sample ID: LCS 500-818280/32
Matrix: Water
Analysis Batch: 818280

Client Sample ID: Lab Control Sample
Prep Type: Dissolved

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Dissolved Organic Carbon	10.0	10.5		mg/L		105	86 - 116

Method: SM 5310C - Organic Carbon, Dissolved (DOC) (Continued)

Lab Sample ID: 500-267924-3 MS
Matrix: Water
Analysis Batch: 818280

Client Sample ID: MW-2B_20250505
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Dissolved Organic Carbon	7.0	F1	10.0	16.8		mg/L		98	75 - 125		

Lab Sample ID: 500-267924-3 MSD
Matrix: Water
Analysis Batch: 818280

Client Sample ID: MW-2B_20250505
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Dissolved Organic Carbon	7.0	F1	10.0	15.0		mg/L		80	75 - 125	12	20

Lab Chronicle

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267924-1

Client Sample ID: MW-2A_20250505

Lab Sample ID: 500-267924-1

Date Collected: 05/05/25 12:45

Matrix: Water

Date Received: 05/08/25 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	1630			7329	AJD	EET SSM	06/12/25 08:50
Dissolved	Analysis	1630		1	7378	COW	EET SSM	06/12/25 21:46
Total/NA	Prep	1630			7329	AJD	EET SSM	06/12/25 08:50
Total/NA	Analysis	1630		1	7378	COW	EET SSM	06/12/25 21:35
Dissolved	Analysis	1631E		1	7141	AJD	EET SSM	05/30/25 17:35
Total/NA	Analysis	1631E		1	7110	CL	EET SSM	05/29/25 17:23
Dissolved	Prep	1638			7036	V1R	EET SSM	05/27/25 13:44
Dissolved	Analysis	1638		1	7063	COW	EET SSM	05/27/25 19:36
Total Recoverable	Prep	1638			7036	V1R	EET SSM	05/27/25 13:44
Total Recoverable	Analysis	1638		1	7063	COW	EET SSM	05/27/25 20:13
Dissolved	Prep	3005A			817342	S1Z	EET CHI	05/12/25 15:21 - 05/12/25 21:21 ¹
Dissolved	Analysis	6020B		1	817764	RN	EET CHI	05/14/25 16:16
Total Recoverable	Prep	3005A			817342	S1Z	EET CHI	05/12/25 15:21 - 05/12/25 21:21 ¹
Total Recoverable	Analysis	6020B		1	817764	RN	EET CHI	05/14/25 16:13
Total Recoverable	Prep	3005A			817342	S1Z	EET CHI	05/12/25 15:21 - 05/12/25 21:21 ¹
Total Recoverable	Analysis	SM 2340B		1	817801	DAJ	EET CHI	05/15/25 09:25
Total/NA	Analysis	300.0		1	816883	MM	EET CHI	05/08/25 15:58
Total/NA	Analysis	300.0		1	816884	MM	EET CHI	05/08/25 15:58
Total/NA	Prep	Distill/CN			817475	KF	EET CHI	05/13/25 11:59 - 05/13/25 12:29 ¹
Total/NA	Analysis	335.4		1	817667	MB	EET CHI	05/14/25 12:04
Total/NA	Prep	Distill/Ammonia			819335	EB	EET CHI	05/28/25 15:12 - 05/28/25 16:12 ¹
Total/NA	Analysis	350.1		1	819471	KF	EET CHI	05/29/25 10:19
Total/NA	Prep	365.2/365.3/365			817630	MF	EET CHI	05/14/25 10:23 - 05/14/25 14:23 ¹
Total/NA	Analysis	365.1		1	818259	MF	EET CHI	05/19/25 11:53
Total/NA	Analysis	SM 2320B		1	817333	LP	EET CHI	05/11/25 13:58
Total/NA	Analysis	SM 2520B		1	818975	AC	EET CHI	05/25/25 07:54
Total/NA	Analysis	SM 2540C		1	817194	CLB	EET CHI	05/11/25 22:44
Total/NA	Analysis	SM 2540D		1	816968	NM	EET CHI	05/08/25 16:05 - 05/08/25 16:08 ¹
Total/NA	Analysis	SM 4500 S2 F		1	816997	CLB	EET CHI	05/08/25 22:42 - 05/08/25 22:46 ¹
Dissolved	Analysis	SM 5310C		1	818280	TR	EET CHI	05/19/25 03:59
Total/NA	Analysis	SM 5310C		1	818272	TR	EET CHI	05/18/25 19:23

Client Sample ID: MW-2A_20250505_FBLL

Lab Sample ID: 500-267924-2

Date Collected: 05/05/25 12:45

Matrix: Water

Date Received: 05/08/25 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	1631E		1	7110	CL	EET SSM	05/29/25 17:35

Lab Chronicle

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267924-1

Client Sample ID: MW-2B_20250505

Lab Sample ID: 500-267924-3

Date Collected: 05/05/25 14:45

Matrix: Water

Date Received: 05/08/25 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	1630			7329	AJD	EET SSM	06/12/25 08:50
Dissolved	Analysis	1630		1	7378	COW	EET SSM	06/12/25 22:06
Total/NA	Prep	1630			7329	AJD	EET SSM	06/12/25 08:50
Total/NA	Analysis	1630		1	7378	COW	EET SSM	06/12/25 21:56
Dissolved	Analysis	1631E		1	7141	AJD	EET SSM	05/30/25 17:40
Total/NA	Analysis	1631E		1	7110	CL	EET SSM	05/29/25 17:39
Dissolved	Prep	1638			7036	V1R	EET SSM	05/27/25 13:44
Dissolved	Analysis	1638		1	7063	COW	EET SSM	05/27/25 18:47
Total Recoverable	Prep	1638			7036	V1R	EET SSM	05/27/25 13:44
Total Recoverable	Analysis	1638		1	7063	COW	EET SSM	05/27/25 20:17
Dissolved	Prep	3005A			817342	S1Z	EET CHI	05/12/25 15:21 - 05/12/25 21:21 [1]
Dissolved	Analysis	6020B		1	817764	RN	EET CHI	05/14/25 16:21
Total Recoverable	Prep	3005A			817342	S1Z	EET CHI	05/12/25 15:21 - 05/12/25 21:21 [1]
Total Recoverable	Analysis	6020B		1	817764	RN	EET CHI	05/14/25 16:18
Total Recoverable	Prep	3005A			817342	S1Z	EET CHI	05/12/25 15:21 - 05/12/25 21:21 [1]
Total Recoverable	Analysis	SM 2340B		1	817801	DAJ	EET CHI	05/15/25 09:25
Total/NA	Analysis	300.0		1	816883	MM	EET CHI	05/08/25 16:13
Total/NA	Analysis	300.0		1	816884	MM	EET CHI	05/08/25 16:13
Total/NA	Prep	Distill/CN			818111	AC	EET CHI	05/18/25 09:04 - 05/18/25 09:34 [1]
Total/NA	Analysis	335.4		1	818127	AC	EET CHI	05/18/25 11:24
Total/NA	Prep	Distill/Ammonia			819335	EB	EET CHI	05/28/25 15:12 - 05/28/25 16:12 [1]
Total/NA	Analysis	350.1		1	819471	KF	EET CHI	05/29/25 10:19
Total/NA	Prep	365.2/365.3/365			817630	MF	EET CHI	05/14/25 10:23 - 05/14/25 14:23 [1]
Total/NA	Analysis	365.1		1	818259	MF	EET CHI	05/19/25 11:54
Total/NA	Analysis	SM 2320B		1	817333	LP	EET CHI	05/11/25 14:09
Total/NA	Analysis	SM 2520B		1	818975	AC	EET CHI	05/25/25 07:54
Total/NA	Analysis	SM 2540C		1	817194	CLB	EET CHI	05/11/25 22:51
Total/NA	Analysis	SM 2540D		1	816968	NM	EET CHI	05/08/25 16:08 - 05/08/25 16:10 [1]
Total/NA	Analysis	SM 4500 S2 F		1	816997	CLB	EET CHI	05/08/25 22:46 - 05/08/25 22:50 [1]
Dissolved	Analysis	SM 5310C		1	818280	TR	EET CHI	05/19/25 04:31
Total/NA	Analysis	SM 5310C		1	818272	TR	EET CHI	05/18/25 19:55

Client Sample ID: MW-2B_20250505_FBLL

Lab Sample ID: 500-267924-4

Date Collected: 05/05/25 14:45

Matrix: Water

Date Received: 05/08/25 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	1631E		1	7110	CL	EET SSM	05/29/25 17:43

Lab Chronicle

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267924-1

Client Sample ID: MLR-02_20250505

Lab Sample ID: 500-267924-5

Date Collected: 05/05/25 10:30
Date Received: 05/08/25 09:30

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	1630			7329	AJD	EET SSM	06/12/25 08:50
Dissolved	Analysis	1630		1	7378	COW	EET SSM	06/12/25 22:27
Total/NA	Prep	1630			7329	AJD	EET SSM	06/12/25 08:50
Total/NA	Analysis	1630		1	7378	COW	EET SSM	06/12/25 22:16
Dissolved	Analysis	1631E		1	7141	AJD	EET SSM	05/30/25 17:44
Total/NA	Analysis	1631E		1	7110	CL	EET SSM	05/29/25 17:48
Dissolved	Prep	1638			7036	V1R	EET SSM	05/27/25 13:44
Dissolved	Analysis	1638		1	7063	COW	EET SSM	05/27/25 19:40
Total Recoverable	Prep	1638			7036	V1R	EET SSM	05/27/25 13:44
Total Recoverable	Analysis	1638		1	7063	COW	EET SSM	05/27/25 20:20
Dissolved	Prep	3005A			817342	S1Z	EET CHI	05/12/25 15:21 - 05/12/25 21:21 [1]
Dissolved	Analysis	6020B		1	817764	RN	EET CHI	05/14/25 16:25
Total Recoverable	Prep	3005A			817342	S1Z	EET CHI	05/12/25 15:21 - 05/12/25 21:21 [1]
Total Recoverable	Analysis	6020B		1	817764	RN	EET CHI	05/14/25 16:23
Total Recoverable	Prep	3005A			817342	S1Z	EET CHI	05/12/25 15:21 - 05/12/25 21:21 [1]
Total Recoverable	Analysis	SM 2340B		1	817801	DAJ	EET CHI	05/15/25 09:25
Total/NA	Analysis	300.0		1	816883	MM	EET CHI	05/08/25 16:28
Total/NA	Analysis	300.0		1	816884	MM	EET CHI	05/08/25 16:28
Total/NA	Prep	Distill/CN			818111	AC	EET CHI	05/18/25 09:04 - 05/18/25 09:34 [1]
Total/NA	Analysis	335.4		1	818127	AC	EET CHI	05/18/25 11:24
Total/NA	Prep	Distill/Ammonia			819335	EB	EET CHI	05/28/25 15:12 - 05/28/25 16:12 [1]
Total/NA	Analysis	350.1		1	819471	KF	EET CHI	05/29/25 10:20
Total/NA	Prep	365.2/365.3/365			817630	MF	EET CHI	05/14/25 10:23 - 05/14/25 14:23 [1]
Total/NA	Analysis	365.1		1	818259	MF	EET CHI	05/19/25 11:55
Total/NA	Analysis	SM 2320B		1	817333	LP	EET CHI	05/11/25 14:22
Total/NA	Analysis	SM 2520B		1	818975	AC	EET CHI	05/25/25 07:54
Total/NA	Analysis	SM 2540C		1	817194	CLB	EET CHI	05/11/25 22:57
Total/NA	Analysis	SM 2540D		1	816968	NM	EET CHI	05/08/25 16:13 - 05/08/25 16:15 [1]
Total/NA	Analysis	SM 4500 S2 F		1	816997	CLB	EET CHI	05/08/25 22:50 - 05/08/25 22:54 [1]
Dissolved	Analysis	SM 5310C		1	818280	TR	EET CHI	05/19/25 06:08
Total/NA	Analysis	SM 5310C		1	818272	TR	EET CHI	05/18/25 20:27

Client Sample ID: MLR-02_20250505_FBLL

Lab Sample ID: 500-267924-6

Date Collected: 05/05/25 10:30
Date Received: 05/08/25 09:30

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	1631E		1	7110	CL	EET SSM	05/29/25 17:52

Lab Chronicle

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267924-1

Client Sample ID: MW-3B_20250505

Lab Sample ID: 500-267924-7

Date Collected: 05/05/25 09:30
Matrix: Water
Date Received: 05/08/25 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	1630			7329	AJD	EET SSM	06/12/25 08:50
Dissolved	Analysis	1630		1	7378	COW	EET SSM	06/12/25 22:47
Total/NA	Prep	1630			7329	AJD	EET SSM	06/12/25 08:50
Total/NA	Analysis	1630		1	7378	COW	EET SSM	06/12/25 22:37
Dissolved	Analysis	1631E		1	7141	AJD	EET SSM	05/30/25 17:48
Total/NA	Analysis	1631E		1	7110	CL	EET SSM	05/29/25 18:54
Dissolved	Prep	1638			7036	V1R	EET SSM	05/27/25 13:44
Dissolved	Analysis	1638		1	7063	COW	EET SSM	05/27/25 19:51
Total Recoverable	Prep	1638			7036	V1R	EET SSM	05/27/25 13:44
Total Recoverable	Analysis	1638		1	7063	COW	EET SSM	05/27/25 20:24
Dissolved	Prep	3005A			817342	S1Z	EET CHI	05/12/25 15:21 - 05/12/25 21:21 [1]
Dissolved	Analysis	6020B		1	817764	RN	EET CHI	05/14/25 16:30
Total Recoverable	Prep	3005A			817342	S1Z	EET CHI	05/12/25 15:21 - 05/12/25 21:21 [1]
Total Recoverable	Analysis	6020B		1	817764	RN	EET CHI	05/14/25 16:28
Total Recoverable	Prep	3005A			817342	S1Z	EET CHI	05/12/25 15:21 - 05/12/25 21:21 [1]
Total Recoverable	Analysis	SM 2340B		1	817801	DAJ	EET CHI	05/15/25 09:25
Total/NA	Analysis	300.0		1	816883	MM	EET CHI	05/08/25 16:44
Total/NA	Analysis	300.0		1	816884	MM	EET CHI	05/08/25 16:44
Total/NA	Prep	Distill/CN			818111	AC	EET CHI	05/18/25 09:04 - 05/18/25 09:34 [1]
Total/NA	Analysis	335.4		1	818127	AC	EET CHI	05/18/25 11:26
Total/NA	Prep	Distill/Ammonia			819335	EB	EET CHI	05/28/25 15:12 - 05/28/25 16:12 [1]
Total/NA	Analysis	350.1		1	819471	KF	EET CHI	05/29/25 10:20
Total/NA	Prep	365.2/365.3/365			817630	MF	EET CHI	05/14/25 10:23 - 05/14/25 14:23 [1]
Total/NA	Analysis	365.1		1	818259	MF	EET CHI	05/19/25 11:57
Total/NA	Analysis	SM 2320B		1	817333	LP	EET CHI	05/11/25 14:31
Total/NA	Analysis	SM 2520B		1	818975	AC	EET CHI	05/25/25 07:54
Total/NA	Analysis	SM 2540C		1	817194	CLB	EET CHI	05/11/25 22:59
Total/NA	Analysis	SM 2540D		1	816968	NM	EET CHI	05/08/25 16:15 - 05/08/25 16:18 [1]
Total/NA	Analysis	SM 4500 S2 F		1	816997	CLB	EET CHI	05/08/25 22:54 - 05/08/25 22:58 [1]
Dissolved	Analysis	SM 5310C		1	818280	TR	EET CHI	05/19/25 07:45
Total/NA	Analysis	SM 5310C		1	818272	TR	EET CHI	05/18/25 20:59

Client Sample ID: MW-3B_20250505_FBLL

Lab Sample ID: 500-267924-8

Date Collected: 05/05/25 09:30
Matrix: Water
Date Received: 05/08/25 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	1631E		1	7110	CL	EET SSM	05/29/25 18:58

Lab Chronicle

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267924-1

Client Sample ID: BNW-01_20250505

Lab Sample ID: 500-267924-9

Date Collected: 05/05/25 15:10

Matrix: Water

Date Received: 05/08/25 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	1630			7350	AJD	EET SSM	06/12/25 10:18
Dissolved	Analysis	1630		1	7410	CL	EET SSM	06/13/25 17:14
Total/NA	Prep	1630			7329	AJD	EET SSM	06/12/25 08:50
Total/NA	Analysis	1630		1	7378	COW	EET SSM	06/12/25 22:57
Dissolved	Analysis	1631E		1	7141	AJD	EET SSM	05/30/25 17:52
Total/NA	Analysis	1631E		1	7110	CL	EET SSM	05/29/25 19:02
Dissolved	Prep	1638			7036	V1R	EET SSM	05/27/25 13:44
Dissolved	Analysis	1638		1	7063	COW	EET SSM	05/27/25 19:55
Total Recoverable	Prep	1638			7037	V1R	EET SSM	05/27/25 13:44
Total Recoverable	Analysis	1638		1	7063	COW	EET SSM	05/27/25 20:50
Dissolved	Prep	3005A			817342	S1Z	EET CHI	05/12/25 15:21 - 05/12/25 21:21 [1]
Dissolved	Analysis	6020B		1	817764	RN	EET CHI	05/14/25 16:40
Total Recoverable	Prep	3005A			817342	S1Z	EET CHI	05/12/25 15:21 - 05/12/25 21:21 [1]
Total Recoverable	Analysis	6020B		1	817764	RN	EET CHI	05/14/25 16:38
Total Recoverable	Prep	3005A			817342	S1Z	EET CHI	05/12/25 15:21 - 05/12/25 21:21 [1]
Total Recoverable	Analysis	SM 2340B		1	817801	DAJ	EET CHI	05/15/25 09:25
Total/NA	Analysis	300.0		1	816883	MM	EET CHI	05/08/25 16:59
Total/NA	Analysis	300.0		1	816884	MM	EET CHI	05/08/25 16:59
Total/NA	Prep	Distill/CN			818111	AC	EET CHI	05/18/25 09:04 - 05/18/25 09:34 [1]
Total/NA	Analysis	335.4		1	818127	AC	EET CHI	05/18/25 11:26
Total/NA	Prep	Distill/Ammonia			819335	EB	EET CHI	05/28/25 15:12 - 05/28/25 16:12 [1]
Total/NA	Analysis	350.1		1	819471	KF	EET CHI	05/29/25 10:21
Total/NA	Prep	365.2/365.3/365			817630	MF	EET CHI	05/14/25 10:23 - 05/14/25 14:23 [1]
Total/NA	Analysis	365.1		1	818259	MF	EET CHI	05/19/25 11:58
Total/NA	Analysis	SM 2320B		1	817333	LP	EET CHI	05/11/25 14:42
Total/NA	Analysis	SM 2520B		1	818975	AC	EET CHI	05/25/25 07:54
Total/NA	Analysis	SM 2540C		1	817194	CLB	EET CHI	05/11/25 23:02
Total/NA	Analysis	SM 2540D		1	816968	NM	EET CHI	05/08/25 16:17 - 05/08/25 16:20 [1]
Total/NA	Analysis	SM 4500 S2 F		1	816997	CLB	EET CHI	05/08/25 22:58 - 05/08/25 23:01 [1]
Dissolved	Analysis	SM 5310C		1	818280	TR	EET CHI	05/19/25 08:17
Total/NA	Analysis	SM 5310C		1	818272	TR	EET CHI	05/18/25 21:32

Client Sample ID: BNW-01_20250505_FBLL

Lab Sample ID: 500-267924-10

Date Collected: 05/05/25 15:10

Matrix: Water

Date Received: 05/08/25 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	1631E		1	7141	AJD	EET SSM	05/30/25 17:56

Lab Chronicle

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267924-1

Client Sample ID: PNC-02_20250505

Lab Sample ID: 500-267924-11

Date Collected: 05/05/25 14:30

Matrix: Water

Date Received: 05/08/25 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	1630			7350	AJD	EET SSM	06/12/25 10:18
Dissolved	Analysis	1630		1	7410	CL	EET SSM	06/13/25 17:34
Total/NA	Prep	1630			7350	AJD	EET SSM	06/12/25 10:18
Total/NA	Analysis	1630		1	7410	CL	EET SSM	06/13/25 17:24
Dissolved	Analysis	1631E		1	7141	AJD	EET SSM	05/30/25 18:13
Total/NA	Analysis	1631E		1	7141	AJD	EET SSM	05/30/25 18:09
Dissolved	Prep	1638			7036	V1R	EET SSM	05/27/25 13:44
Dissolved	Analysis	1638		1	7063	COW	EET SSM	05/27/25 19:58
Total Recoverable	Prep	1638			7037	V1R	EET SSM	05/27/25 13:44
Total Recoverable	Analysis	1638		1	7063	COW	EET SSM	05/27/25 21:20
Dissolved	Prep	3005A			817342	S1Z	EET CHI	05/12/25 15:21 - 05/12/25 21:21 [1]
Dissolved	Analysis	6020B		1	817764	RN	EET CHI	05/14/25 16:45
Total Recoverable	Prep	3005A			817342	S1Z	EET CHI	05/12/25 15:21 - 05/12/25 21:21 [1]
Total Recoverable	Analysis	6020B		1	817764	RN	EET CHI	05/14/25 16:42
Total Recoverable	Prep	3005A			817342	S1Z	EET CHI	05/12/25 15:21 - 05/12/25 21:21 [1]
Total Recoverable	Analysis	SM 2340B		1	817801	DAJ	EET CHI	05/15/25 09:25
Total/NA	Analysis	300.0		1	816883	MM	EET CHI	05/08/25 17:14
Total/NA	Analysis	300.0		1	816884	MM	EET CHI	05/08/25 17:14
Total/NA	Prep	Distill/CN			818111	AC	EET CHI	05/18/25 09:04 - 05/18/25 09:34 [1]
Total/NA	Analysis	335.4		1	818127	AC	EET CHI	05/18/25 11:26
Total/NA	Prep	Distill/Ammonia			819465	EB	EET CHI	05/29/25 12:36 - 05/29/25 13:36 [1]
Total/NA	Analysis	350.1		1	819553	KF	EET CHI	05/29/25 15:26
Total/NA	Prep	365.2/365.3/365			817630	MF	EET CHI	05/14/25 10:23 - 05/14/25 14:23 [1]
Total/NA	Analysis	365.1		1	818259	MF	EET CHI	05/19/25 11:59
Total/NA	Analysis	SM 2320B		1	817333	LP	EET CHI	05/11/25 14:51
Total/NA	Analysis	SM 2520B		1	818975	AC	EET CHI	05/25/25 07:54
Total/NA	Analysis	SM 2540C		1	817194	CLB	EET CHI	05/11/25 23:04
Total/NA	Analysis	SM 2540D		1	816968	NM	EET CHI	05/08/25 16:22 - 05/08/25 16:25 [1]
Total/NA	Analysis	SM 4500 S2 F		1	816997	CLB	EET CHI	05/08/25 23:01 - 05/08/25 23:05 [1]
Dissolved	Analysis	SM 5310C		1	818280	TR	EET CHI	05/19/25 08:49
Total/NA	Analysis	SM 5310C		1	818272	TR	EET CHI	05/18/25 22:04

Client Sample ID: PNC-02_20250505_FBLL

Lab Sample ID: 500-267924-12

Date Collected: 05/05/25 14:30

Matrix: Water

Date Received: 05/08/25 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	1631E		1	7141	AJD	EET SSM	05/30/25 18:17

Lab Chronicle

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267924-1

Client Sample ID: NB1-3_20250505

Date Collected: 05/05/25 13:00
Date Received: 05/08/25 09:30

Lab Sample ID: 500-267924-13

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	1630			7350	AJD	EET SSM	06/12/25 10:18
Dissolved	Analysis	1630		1	7410	CL	EET SSM	06/13/25 17:45
Total/NA	Prep	1630			7329	AJD	EET SSM	06/12/25 08:50
Total/NA	Analysis	1630		1	7378	COW	EET SSM	06/12/25 20:44
Dissolved	Analysis	1631E		1	7141	AJD	EET SSM	05/30/25 18:25
Total/NA	Analysis	1631E		1	7141	AJD	EET SSM	05/30/25 18:21
Dissolved	Prep	1638			7036	V1R	EET SSM	05/27/25 13:44
Dissolved	Analysis	1638		1	7063	COW	EET SSM	05/27/25 20:02
Total Recoverable	Prep	1638			7037	V1R	EET SSM	05/27/25 13:44
Total Recoverable	Analysis	1638		1	7063	COW	EET SSM	05/27/25 21:23
Dissolved	Prep	3005A			817342	S1Z	EET CHI	05/12/25 15:21 - 05/12/25 21:21 [1]
Dissolved	Analysis	6020B		1	817764	RN	EET CHI	05/14/25 16:50
Total Recoverable	Prep	3005A			817342	S1Z	EET CHI	05/12/25 15:21 - 05/12/25 21:21 [1]
Total Recoverable	Analysis	6020B		1	817764	RN	EET CHI	05/14/25 16:47
Total Recoverable	Prep	3005A			817342	S1Z	EET CHI	05/12/25 15:21 - 05/12/25 21:21 [1]
Total Recoverable	Analysis	SM 2340B		1	817801	DAJ	EET CHI	05/15/25 09:25
Total/NA	Analysis	300.0		1	816883	MM	EET CHI	05/08/25 17:30
Total/NA	Analysis	300.0		1	816884	MM	EET CHI	05/08/25 17:30
Total/NA	Analysis	300.0		10	818588	MM	EET CHI	05/22/25 11:27
Total/NA	Prep	Distill/CN			818111	AC	EET CHI	05/18/25 09:04 - 05/18/25 09:34 [1]
Total/NA	Analysis	335.4		1	818127	AC	EET CHI	05/18/25 11:29
Total/NA	Prep	Distill/Ammonia			819465	EB	EET CHI	05/29/25 12:36 - 05/29/25 13:36 [1]
Total/NA	Analysis	350.1		1	819553	KF	EET CHI	05/29/25 15:26
Total/NA	Prep	365.2/365.3/365			817630	MF	EET CHI	05/14/25 10:23 - 05/14/25 14:23 [1]
Total/NA	Analysis	365.1		1	818259	MF	EET CHI	05/19/25 12:00
Total/NA	Analysis	SM 2320B		1	817333	LP	EET CHI	05/11/25 15:00
Total/NA	Analysis	SM 2520B		1	819003	AC	EET CHI	05/27/25 07:21
Total/NA	Analysis	SM 2540C		1	817194	CLB	EET CHI	05/11/25 23:07
Total/NA	Analysis	SM 2540D		1	816968	NM	EET CHI	05/08/25 16:25 - 05/08/25 16:27 [1]
Total/NA	Analysis	SM 4500 S2 F		1	816997	CLB	EET CHI	05/08/25 23:05 - 05/08/25 23:09 [1]
Dissolved	Analysis	SM 5310C		1	818280	TR	EET CHI	05/19/25 09:22
Total/NA	Analysis	SM 5310C		1	818272	TR	EET CHI	05/18/25 22:36

Client Sample ID: NB1-3_20250505_FBLL

Date Collected: 05/05/25 13:00
Date Received: 05/08/25 09:30

Lab Sample ID: 500-267924-14

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	1631E		1	7141	AJD	EET SSM	05/30/25 18:29

Lab Chronicle

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267924-1

Client Sample ID: NB1-1_20250505

Date Collected: 05/05/25 12:30
Date Received: 05/08/25 09:30

Lab Sample ID: 500-267924-15

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	1630			7350	AJD	EET SSM	06/12/25 10:18
Dissolved	Analysis	1630		1	7410	CL	EET SSM	06/13/25 17:55
Total/NA	Prep	1630			7350	AJD	EET SSM	06/12/25 10:18
Total/NA	Analysis	1630		1	7410	CL	EET SSM	06/13/25 15:52
Dissolved	Analysis	1631E		1	7141	AJD	EET SSM	05/30/25 18:38
Total/NA	Analysis	1631E		1	7141	AJD	EET SSM	05/30/25 18:33
Dissolved	Prep	1638			7036	V1R	EET SSM	05/27/25 13:44
Dissolved	Analysis	1638		1	7063	COW	EET SSM	05/27/25 20:06
Total Recoverable	Prep	1638			7037	V1R	EET SSM	05/27/25 13:44
Total Recoverable	Analysis	1638		1	7063	COW	EET SSM	05/27/25 21:27
Dissolved	Prep	3005A			817346	S1Z	EET CHI	05/12/25 15:29 - 05/12/25 21:29 [1]
Dissolved	Analysis	6020B		1	817764	RN	EET CHI	05/14/25 12:09
Total Recoverable	Prep	3005A			817342	S1Z	EET CHI	05/12/25 15:21 - 05/12/25 21:21 [1]
Total Recoverable	Analysis	6020B		1	817764	RN	EET CHI	05/14/25 16:52
Total Recoverable	Prep	3005A			817342	S1Z	EET CHI	05/12/25 15:21 - 05/12/25 21:21 [1]
Total Recoverable	Analysis	SM 2340B		1	817801	DAJ	EET CHI	05/15/25 09:25
Total/NA	Analysis	300.0		1	816883	MM	EET CHI	05/08/25 17:45
Total/NA	Analysis	300.0		1	816884	MM	EET CHI	05/08/25 17:45
Total/NA	Analysis	300.0		10	818588	MM	EET CHI	05/22/25 11:42
Total/NA	Prep	Distill/CN			818111	AC	EET CHI	05/18/25 09:04 - 05/18/25 09:34 [1]
Total/NA	Analysis	335.4		1	818127	AC	EET CHI	05/18/25 11:30
Total/NA	Prep	Distill/Ammonia			819465	EB	EET CHI	05/29/25 12:36 - 05/29/25 13:36 [1]
Total/NA	Analysis	350.1		1	819553	KF	EET CHI	05/29/25 15:27
Total/NA	Prep	365.2/365.3/365			817630	MF	EET CHI	05/14/25 10:23 - 05/14/25 14:23 [1]
Total/NA	Analysis	365.1		1	818259	MF	EET CHI	05/19/25 12:01
Total/NA	Analysis	SM 2320B		1	817333	LP	EET CHI	05/11/25 15:09
Total/NA	Analysis	SM 2520B		1	819003	AC	EET CHI	05/27/25 07:21
Total/NA	Analysis	SM 2540C		1	817194	CLB	EET CHI	05/11/25 23:10
Total/NA	Analysis	SM 2540D		1	816968	NM	EET CHI	05/08/25 16:27 - 05/08/25 16:30 [1]
Total/NA	Analysis	SM 4500 S2 F		1	816997	CLB	EET CHI	05/08/25 23:09 - 05/08/25 23:13 [1]
Dissolved	Analysis	SM 5310C		1	818280	TR	EET CHI	05/19/25 09:54
Total/NA	Analysis	SM 5310C		1	818272	TR	EET CHI	05/18/25 23:09

Client Sample ID: NB1-1_20250505_FBLL

Date Collected: 05/05/25 12:30
Date Received: 05/08/25 09:30

Lab Sample ID: 500-267924-16

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	1631E		1	7141	AJD	EET SSM	05/30/25 18:42

Client Sample ID: DUP-01-GW_20250505

Lab Sample ID: 500-267924-17

Date Collected: 05/05/25 23:59

Matrix: Water

Date Received: 05/08/25 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	1630			7350	AJD	EET SSM	06/12/25 10:18
Dissolved	Analysis	1630		1	7410	CL	EET SSM	06/13/25 18:15
Total/NA	Prep	1630			7350	AJD	EET SSM	06/12/25 10:18
Total/NA	Analysis	1630		1	7410	CL	EET SSM	06/13/25 18:05
Dissolved	Analysis	1631E		1	7141	AJD	EET SSM	05/30/25 18:58
Total/NA	Analysis	1631E		1	7141	AJD	EET SSM	05/30/25 18:46
Dissolved	Prep	1638			7036	V1R	EET SSM	05/27/25 13:44
Dissolved	Analysis	1638		1	7063	COW	EET SSM	05/27/25 20:09
Total Recoverable	Prep	1638			7037	V1R	EET SSM	05/27/25 13:44
Total Recoverable	Analysis	1638		1	7063	COW	EET SSM	05/27/25 21:31
Dissolved	Prep	3005A			817346	S1Z	EET CHI	05/12/25 15:29 - 05/12/25 21:29 [1]
Dissolved	Analysis	6020B		1	817764	RN	EET CHI	05/14/25 12:18
Total Recoverable	Prep	3005A			817346	S1Z	EET CHI	05/12/25 15:29 - 05/12/25 21:29 [1]
Total Recoverable	Analysis	6020B		1	817764	RN	EET CHI	05/14/25 12:16
Total Recoverable	Prep	3005A			817346	S1Z	EET CHI	05/12/25 15:29 - 05/12/25 21:29 [1]
Total Recoverable	Analysis	SM 2340B		1	817801	DAJ	EET CHI	05/15/25 09:25
Total/NA	Analysis	300.0		1	816883	MM	EET CHI	05/08/25 18:00
Total/NA	Analysis	300.0		1	816884	MM	EET CHI	05/08/25 18:00
Total/NA	Prep	Distill/CN			818111	AC	EET CHI	05/18/25 09:04 - 05/18/25 09:34 [1]
Total/NA	Analysis	335.4		1	818127	AC	EET CHI	05/18/25 11:31
Total/NA	Prep	Distill/Ammonia			819465	EB	EET CHI	05/29/25 12:36 - 05/29/25 13:36 [1]
Total/NA	Analysis	350.1		1	819553	KF	EET CHI	05/29/25 15:27
Total/NA	Prep	365.2/365.3/365			817630	MF	EET CHI	05/14/25 10:23 - 05/14/25 14:23 [1]
Total/NA	Analysis	365.1		1	818259	MF	EET CHI	05/19/25 12:02
Total/NA	Analysis	SM 2320B		1	817333	LP	EET CHI	05/11/25 15:18
Total/NA	Analysis	SM 2520B		1	819003	AC	EET CHI	05/27/25 07:21
Total/NA	Analysis	SM 2540C		1	817194	CLB	EET CHI	05/11/25 23:12
Total/NA	Analysis	SM 2540D		1	816968	NM	EET CHI	05/08/25 16:30 - 05/08/25 16:32 [1]
Total/NA	Analysis	SM 4500 S2 F		1	816997	CLB	EET CHI	05/08/25 23:13 - 05/08/25 23:17 [1]
Dissolved	Analysis	SM 5310C		1	818280	TR	EET CHI	05/19/25 10:26
Total/NA	Analysis	SM 5310C		1	818272	TR	EET CHI	05/18/25 23:41

Client Sample ID: DUP-01-GW_20250505_FBLL

Lab Sample ID: 500-267924-18

Date Collected: 05/05/25 23:59

Matrix: Water

Date Received: 05/08/25 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	1631E		1	7141	AJD	EET SSM	05/30/25 19:03

[1] This procedure uses a method stipulated length of time for the process. Both start and end times are displayed.

Laboratory References:

EET CHI = Eurofins Chicago, 18410 Crossing Drive, Suite E, Tinley Park, IL 60487, TEL (708)534-5200

EET SSM = Eurofins Seattle Specialty Metals, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

Accreditation/Certification Summary

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267924-1

Laboratory: Eurofins Chicago

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Georgia	State	N/A	05-31-25
Georgia (DW)	State	939	05-31-25
Hawaii	State	NA	05-31-25
Illinois	NELAP	100201	05-31-26
Indiana	State	C-IL-02	05-31-26
Iowa	State	082	05-01-26
Kansas	NELAP	E-10161	10-31-25
Kentucky (UST)	State	AI # 108083	05-31-26
Kentucky (WW)	State	KY90023	12-31-24 *
Louisiana (All)	NELAP	02046	06-30-25
Mississippi	State	NA	05-31-25
North Carolina (WW/SW)	State	291	12-31-25
North Dakota	State	R-194	04-29-24 *
Oklahoma	State	8908	08-31-25
South Carolina	State	77001003	05-31-25
USDA	US Federal Programs	P330-18-00018	03-30-26
Wisconsin	State	399172840	08-31-25
Wyoming	State	8TMS-Q	05-31-25

Laboratory: Eurofins Seattle Specialty Metals

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	20-004	02-19-27
ANAB	Dept. of Defense ELAP	L2236	01-19-27
ANAB	Dept. of Energy	L2236.01	01-19-27
ANAB	ISO/IEC 17025	L2236	01-19-27
California	State	2954	07-08-26
Florida	NELAP	E87575	06-30-25
Louisiana (All)	NELAP	03073	06-30-25
Maine	State	WA01273	05-02-26
New Jersey	NELAP	WA014	06-30-25
New York	NELAP	11662	04-01-26
Oregon	NELAP	4167-008	07-07-25
US Fish & Wildlife	US Federal Programs	A20571	06-30-25
USDA	US Federal Programs	525-23-4-22573	01-24-28
Washington	State	C788-23a	07-13-25
Wisconsin	State	399133460	07-31-25

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Eurofins Chicago
18410 Crossing Drive, Suite E
Tinley Park, IL 60487
Phone (708) 534-5200 Phone (262) 202-5955

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: JED CHRISTENSEN	Lab PM: Fredrick, Sandie	Carrier Tracking No(s): 452318057957	COC No: 500-135006-50241 24
Client Contact: Amanda Zeidler	Phone: 906 281-4726	E-Mail: Sandra Fredrick@et.eurofinsus com	State of Origin: Michigan	Page: Page 1 of 1
Company: White Pine Copper LLC	PWSID:			Job #: 500-267924
Address: 35362 Mall Circle Drive	Due Date Requested:			
City: White Pine	TAT Requested (days): 10 days			
State Zip: MI, 49971	Compliance Project: Δ Yes Δ No			
Phone: 906-204-6500	PO #: Purchase Order not required			
Email: AZeidler@whitepinecu com	WO #:			
Project Name: White Pines, MI	Project #: 50023455			
Site: White Pine North Baseline Sampling	SSOW#:			

Analysis Requested

Preservation Codes:
S H2SO4
N None
CB ZnAcetate/NaOH
B NaOH
D - HNO3
A - HCL

Other: 500-267924 COC

	Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	350.1 Ammonia, 365.1 Phos	2320B, 2540C, 2540D, 300.0_28D, 300_48HR, SM2520_B	SM4500_S2_F - Sulfide, Total	335.4 - Cyanide, Total	SM5310_DOC_C - Organic Carbon, Dissolved (DOC) - tripli	6020B, SM2340B Total Metals / Hardness	1638 - Uranium only (ICP/MS)	1631E - Mercury, Low Level (CVAFS)	1630_ME - Methyl Mercury	6020B - Dissolved Metals (ICP/MS) - 27 elements	1638 - Dissolved Uranium only (ICP/MS) (field filtered)	1631E - Dissolved Mercury, Low Level (CVAFS) (filtered)	1630_ME - Dissolved Methyl Mercury (field filtered)	5310C - TOC	Total Number of containers	Special Instructions/Note:
				Preservation Code:				S	N	CB	B	S	D	D	N	A	D	D	N	A	S		
1	MW-2A_20250505	5-5-25	12:45	G	Water	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	22	
2	MW-2A_20250505_FBLL	5-5-25	12:45	G	Water										X							2	
3	MW-2B_20250505	5-5-25	14:45	G	Water	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	22	
4	MW-2B_20250505_FBLL	5-5-25	14:45	G	Water										X							2	
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, ☒ II, III, IV, Other (specify)

Special Instructions/QC Requirements: MDLs must meet Michigan requirements

Empty Kit Relinquished by:	Date	Time	Method of Shipment: FedEx PRIORITY OVERNIGHT
Relinquished by: Jed Christensen	Date/Time: 5-6-25 0800	Company: MSG	Received by: FedEx 452318057957
Relinquished by:	Date/Time	Company	Received by: Stephanie Hernandez
Relinquished by:	Date/Time	Company	Received by:

Date/Time	Company
5/6/25 1930	EETA

Custody Seals Intact: Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks: 5.4+5.7, 4.1+4.4, 5.6+5.9, 4.2+4.5, 7.4+7.5

Eurofins Chicago
18410 Crossing Drive, Suite E
Tinley Park, IL 60487
Phone (708) 534-5200 Phone (262) 202-5955

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: ELLEN COPPERNOLL	Lab PM: Fredrick, Sandie	Carrier Tracking No(s): 452318057968	COC No: 500-135006-50241 21
Client Contact: Amanda Zeidler	Phone: 517-513-2249	E-Mail: Sandra Fredrick@et eurofinsus com	State of Origin: Michigan	Page: Page 1 of 1
Company: White Pine Copper LLC	PWSID:			Job #: 500-267924
Address: 35362 Mall Circle Drive	Due Date Requested:			
City: White Pine	TAT Requested (days): 10 days			
State, Zip: MI, 49971	Compliance Project: Δ Yes Δ No			
Phone: 906-204-6500	PO #: Purchase Order not required			
Email: AZeidler@whitepinecu com	WO #:			
Project Name: White Pines, MI	Project #: 50023455			
Site: White Pine North Baseline Sampling	SSOW#:			

Analysis Requested

Preservation Codes:
S H2SO4
N None
CB ZnAcetate/NaOH
B - NaOH
D HNO3
A HCL
Other:

	Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	350.1 Ammonia, 365.1 Phos	2320B, 2540C, 2540D, 300.0_28D, 300_48HR, SM2520_B	SM4500_S2_F - Sulfide, Total	335.4 - Cyanide, Total	SM5310_DOC_C - Organic Carbon, Dissolved (DOC) - tripli	6020B, SM2340B Total Metals / Hardness	1638 - Uranium only (ICP/MS)	1631E - Mercury, Low Level (CVAFS)	1630_ME - Methyl Mercury	6020B - Dissolved Metals (ICP/MS) - 27 elements	1638 - Dissolved Uranium only (ICP/MS) (field filtered)	1631E - Dissolved Mercury, Low Level (CVAFS) (filtered)	1630_ME - Dissolved Methyl Mercury (field filtered)	5310C - TOC	Total Number of containers	Special Instructions/Note:
				Preservation Code:				S	N	CB	B	S	D	D	N	A	D	D	N	A	S		
5	MLR-02_20250505	5-5-25	10:30	G	Water	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	22	
6	MLR-02-20250505_FBLL	5-5-25	10:30	G	Water										X							2	
7	MW-3B_20250505	5-5-25	09'30	G	Water	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	22	
8	MW-3B_20250505_FBLL	5-5-25	09'30	G	Water										X							2	
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested I, II, III, IV, Other (specify)

Special Instructions/QC Requirements MDLs must meet Michigan requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment: FEDEX PRIORITY OVERNIGHT

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1	Ellen	5-5-25 17:00	MSG		5-5-25 17:00	MSG
2		5-6-25 08:00	MSG	FEDEX 452318057968		
3		Date/Time	Company	Stephanie Hernandez	5/6/25 0930	EEA

Custody Seals Intact: Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks.

Eurofins Chicago
18410 Crossing Drive, Suite E
Tinley Park, IL 60487
Phone (708) 534-5200 Phone (262) 202-5955

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: ELLEN COPPERNOLL	Lab PM: Fredrick, Sandie	Carrier Tracking No(s): 452318057979	COC No.: 500-135006-50241 20
Client Contact: Amanda Zeidler	Phone: 517-513-2249	E-Mail: Sandra Fredrick@et eurofinsus com	State of Origin: Michigan	Page: Page 1 of 1
Company: White Pine Copper LLC	PWSID:			Job #: 500-267924
Address: 35362 Mall Circle Drive	Due Date Requested:			
City: White Pine	TAT Requested (days): 10 days			
State, Zip: MI, 49971	Compliance Project: Δ Yes Δ No			
Phone: 906-204-6500	PO #: Purchase Order not required			
Email: AZeidler@whitepinecu com	WO #:			
Project Name: White Pines, MI	Project #: 50023455			
Site: White Pine North Baseline Sampling	SSOW#:			

Analysis Requested

Preservation Codes
S H2SO4
N None
CB ZnAcetate/NaOH
B NaOH
D HNO3
A HCL
Other:

	Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	350.1 Ammonia, 365.1 Phos	2320B, 2540C, 2540D, 300.0_28D, 300_48HR, SM2520_B	SM4500_S2_F - Sulfide, Total	335.4 - Cyanide, Total	SM5310_DOC_C - Organic Carbon, Dissolved (DOC) - tripli	6020B, SM2340B Total Metals / Hardness	1638 - Uranium only (ICP/MS)	1631E - Mercury, Low Level (CVAFS)	1630_ME - Methyl Mercury	6020B - Dissolved Metals (ICP/MS) - 27 elements	1638 - Dissolved Uranium only (ICP/MS) (field filtered)	1631E - Dissolved Mercury, Low Level (CVAFS) (filtered)	1630_ME - Dissolved Methyl Mercury (field filtered)	5310C - TOC	Total Number of containers	Special Instructions/Note:
				Preservation Code:				S	N	CB	B	S	D	D	N	A	D	D	N	A	S		
9	BNW-01_20250505	5-5-25	15:10	G	Water	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	22	
10	BNW-01_20250505_FBLL	5-5-25	15:10	G	Water										X							2	
11	PNC-02_20250505	5-5-25	14:30	G	Water	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	22	
12	PNC-02_20250505_FBLL	5-5-25	14:30	G	Water										X							2	
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested I, II, III, IV, Other (specify)

Special Instructions/QC Requirements MDLs must meet Michigan requirements

Empty Kit Relinquished by:	Date	Time	Method of Shipment: FEDEX PRIORITY OVERNIGHT

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1	Elliott	5-5-25 16:00	MSG		5-5-25 16:00	MSG
2		5-6-25 08:00	MSG	FedEx 452318057979		
3				Stephanie Hernandez	5/6/25 0930	EETA

Custody Seals Intact. Δ Yes Δ No | Custody Seal No | Cooler Temperature(s) °C and Other Remarks.

Eurofins Chicago
18410 Crossing Drive, Suite E
Tinley Park, IL 60487
Phone (708) 534-5200 Phone (262) 202-5955

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: ELLEN CAFFERELL	Lab PM: Fredrick, Sandie	Carrier Tracking No(s): 452318057946	COC No: 500-135006-50241 22
Client Contact: Amanda Zeidler	Phone: 517-513 2249	E-Mail: Sandra Fredrick@et.eurofinsus com	State of Origin: Michigan	Page: Page 1 of 1
Company: White Pine Copper LLC	PWSID:			Job #: 500-267924
Address: 35362 Mall Circle Drive	Due Date Requested:			
City: White Pine	TAT Requested (days): 10 days			
State, Zip: MI, 49971	Compliance Project: Δ Yes Δ No			
Phone: 906-204-6500	PO #: Purchase Order not required			
Email: AZeidler@whitepinecu com	WO #:			
Project Name: White Pines, MI	Project #: 50023455			
Site: White Pine North Baseline Sampling	SSOW#:			

Analysis Requested

Preservation Codes: S H2SO4; N None; CB - ZnAcetate/NaOH; B - NaOH; D - HNO3; A HCL; Other:

	Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	350.1 Ammonia, 365.1 Phos	2320B, 2540C, 2540D, 300.0_28D, 300_48HR, SM2520_B	SM4500_S2_F - Sulfide, Total	335.4 - Cyanide, Total	SM5310_DOC_C - Organic Carbon, Dissolved (DOC) - tripli	6020B, SM2340B Total Metals / Hardness	1638 - Uranium only (ICP/MS)	1631E - Mercury, Low Level (CVAFS)	1630_ME - Methyl Mercury	6020B - Dissolved Metals (ICP/MS) - 27 elements	1638 - Dissolved Uranium only (ICP/MS) (field filtered)	1631E - Dissolved Mercury, Low Level (CVAFS) (filtered)	1630_ME - Dissolved Methyl Mercury (field filtered)	5310C - TOC	Total Number of containers	Special Instructions/Note:
				Preservation Code:				S	N	CB	B	S	D	D	N	A	D	D	N	A	S		
13	NB1-3_20250505	5-5-25	13:00	G	Water	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	22	
14	NB1-3_20250505_FBL	5-5-25	13:00	G	Water										X							2	
15	NB1-1_20250505	5-5-25	12:30	G	Water	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	22	
16	NB1-1-20250505_FBL	5-5-25	12.30	G	Water										X							2	
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested I, II, III, IV, Other (specify)

Special Instructions/QC Requirements MDLs must meet Michigan requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment: FEDEX PRIORITY OVERNIGHT

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1	Ellen	5-5-25 17:00	MSG		5-5-25 17:00	MSG
2		5-6 25 08.00	MSG	FEDEX 452318057946		
3				Stephanie Hemanes	5/8/25 0930	EEA

Custody Seals Intact Δ Yes Δ No | Custody Seal No | Cooler Temperature(s) °C and Other Remarks

Eurofins Chicago
18410 Crossing Drive, Suite E
Tinley Park, IL 60487
Phone (708) 534-5200 Phone (262) 202-5955

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: JED CHRISTENSEN	Lab PM: Fredrick, Sandie	Carrier Tracking No(s): 452318057935	COC No: 500-135006-50241 25
Client Contact: Amanda Zeidler	Phone: 906-281-4726	E-Mail: Sandra Fredrick@et eurofinsus com	State of Origin: Michigan	Page: Page 1 of 1
Company: White Pine Copper LLC	PWSID:			Job #: TVD-267924
Address: 35362 Mall Circle Drive	Due Date Requested:			
City: White Pine	TAT Requested (days): 10 days			
State, Zip: MI, 49971	Compliance Project: Δ Yes Δ No			
Phone: 906-204-6500	PO #: Purchase Order not required			
Email: AZeidler@whitepinecu com	WO #:			
Project Name: White Pines, MI	Project #: 50023455			
Site: White Pine North Baseline Sampling	SSOW#:			

Analysis Requested

Preservation Codes:
S - H2SO4
N None
CB ZnAcetate/NaOH
B NaOH
D HNO3
A HCL
Other

	Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	350.1 Ammonia, 365.1 Phos	2320B, 2540C, 2540D, 300.0_28D, 300_48HR, SM2520_B	SM4500_S2_F - Sulfide, Total	335.4 - Cyanide, Total	SM5310_DOC_C - Organic Carbon, Dissolved (DOC) - tripli	6020B, SM2340B Total Metals / Hardness	1638 - Uranium only (ICP/MS)	1631E - Mercury, Low Level (CVAFS)	1630_ME - Methyl Mercury	6020B - Dissolved Metals (ICP/MS) - 27 elements	1638 - Dissolved Uranium only (ICP/MS) (field filtered)	1631E - Dissolved Mercury, Low Level (CVAFS) (filtered)	1630_ME - Dissolved Methyl Mercury (field filtered)	5310C - TOC	Total Number of containers	Special Instructions/Note:
				Preservation Code:				S	N	CB	B	S	D	D	N	A	D	D	N	A	S		
17	DUP-01-GW-20250505	5-5-25	—	G	Water	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	22	
18	DUP-01-GW-20250505_FBL	5-5-25	—	G	Water										X							2	
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested I, ☒ II, III, IV, Other (specify)

Special Instructions/QC Requirements MDLs must meet Michigan requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment: FEDEX PRIORITY OVERNIGHT

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
	Relinquished by:	5.6.25 08:00	JMSG	FEDEX 452318057935		
	Relinquished by:	Date/Time	Company	Received by: Stephanie Hernandez	Date/Time: 5/8/25 0930	Company: EEIA
	Relinquished by:	Date/Time	Company	Received by:	Date/Time:	Company

Custody Seals Intact Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks:

JED CARESTENSEN
THE MANNIK & SMITH GROUP
616 SHELDEN AVE
SUITE 210
HOUGHTON, MI 49931
UNITED STATES US

ACTWGT: 25.00 LB MAN
CAD: 0780307/CAFE3855

Part # 159-[illegible]-34 Rev EXP 11/25

TO SAMPLE RECEIPT
EUROFINS
18410 CROSSING DRIVE
SUITE E
TINLEY PARK IL 60487

(708) 534-5200 REF:
INV:
PO: DEPT:

RMA:

FedEx Express

J243024070401uv

RETURNS MON - SAT

FedEx TRK# 0221 4523 1805 7957

WED - 07 MAY AA
PRIORITY OVERNIGHT

79 JOTA 5.8 5.45 T

60487
IL-US
ORD

5025547 06May2025 CMXA 581G3/630D/5FE5

JED CARESTENSEN
THE MANNIK & SMITH GROUP
616 SHELDEN AVE
SUITE 210
HOUGHTON, MI 49931
UNITED STATES US

ACTWGT: 25.00 LB MAN
CAD: 0780307/CAFE3855

Part #

TO SAMPLE RECEIPT
EUROFINS
18410 CROSSING DRIVE
SUITE E
TINLEY PARK IL 60487

500-267924 Waybi

(708) 534-5200 REF:
INV:
PO: DEPT:

RMA.

FedEx Express

J243024070401uv

FedEx TRK# 0221 4523 1805 7935

WED - 07 MAY AA
PRIORITY OVERNIGHT

79 JOTA 4.1 → 4.4

60487
IL-US
ORD

5025547 06May2025 CMXA 581G3/630D/5FE5


JED CARESTENSEN
THE MANNIK & SMITH GROUP
616 SHELDEN AVE
SUITE 210
HOUGHTON, MI 49931
UNITED STATES US
ACTWGT: 25.00 LB MAN
CAD: 0780307/CAFE3855
Part # 159468-434 MTW EXP 11 25
TO SAMPLE RECEIPT
EUROFINS
18410 CROSSING DRIVE
SUITE E
TINLEY PARK IL 60487
(708) 534-5200
REF:
INV:
PO:
DEPT:
RMA:
FedEx Express
J243024070401uv
FedEx
TRK# 0221 4523 1805 7979
WED - 07 MAY AA
PRIORITY OVERNIGHT
79 JOTA
60487
IL-US
ORD
5025547 06May2025 CMXA 581G3/630D/5FE5


JED CARESTENSEN
THE MANNIK & SMITH GROUP
616 SHELDEN AVE
SUITE 210
HOUGHTON, MI 49931
UNITED STATES US
ACTWGT: 25.00 LB MAN
CAD: 0780307/CAFE3855
Part # 159468-434 MTW EXP 11 25
TO SAMPLE RECEIPT
EUROFINS
18410 CROSSING DRIVE
SUITE E
TINLEY PARK IL 60487
(708) 534-5200
REF:
INV:
PO:
DEPT:
RMA:
FedEx Express
J243024070401uv
FedEx
TRK# 0221 4523 1805 7968
WED - 07 MAY AA
PRIORITY OVERNIGHT
79 JOTA
60487
IL-US
ORD
5025547 06May2025 CMXA 581G3/630D/5FE5


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60487
IL-US
79 JOTA
74+7.5
ORD
5025547 06May2025 CMXA 581G3/630D/5FE5

Eurofins Chicago
18410 Crossing Drive Suite E
Tinley Park, IL 60487
Phone 708-534-5200 Fax: 708-534-5211

Chain of Custody Record

eurofins | Environment Testing

6/16/2025

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Fredrick, Sandie	Carrier Tracking No(s): N/A	COC No: 500-200355 1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Sandra Fredrick@et.eurofinsus com	State of Origin: Michigan	Page: Page 1 of 2
Company: Eurofins Environment Testing Northwest L		Accreditations Required (See note): N/A		Job #: 500-267924-1
Address: 5755 8th Street East, ,	Due Date Requested: 5/29/2025			Preservation Codes:
City: Tacoma	TAT Requested (days): N/A			
State Zip: WA, 98424				
Phone: 253-922-2310(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: White Pines, MI	Project #: 50023455			
Site: N/A	SSOW#: N/A			Other: N/A

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	1638/1638_Prep_W Uranium only (ICP/MS)	1631E/ Mercury, Low Level (CVAFS)	1630_ME/1630_Dist_PFP Methyl Mercury	1638/FIELD_FLTRD Dissolved Uranium only (ICP/MS) (field f	1631E/FIELD_FLTRD Dissolved Mercury, Low Level (CVAFS) (fi	1630_ME/FIELD_FLTRD Dissolved Methyl Mercury (field filtered	Total Number of containers	Special Instructions/Note:
			Preservation Code:											
MW-2A_20250505 (500-267924-1)	5/5/25	12 45 Eastern	G	Water			X	X	X	X	X	X	8	
MW-2A_20250505_FBLL (500-267924-2)	5/5/25	12 45 Eastern	G	Water				X					2	
MW-2B_20250505 (500-267924-3)	5/5/25	14 45 Eastern	G	Water			X	X	X	X	X	X	8	
MW-2B_20250505_FBLL (500-267924-4)	5/5/25	14 45 Eastern	G	Water				X					2	
MLR-02_20250505 (500-267924-5)	5/5/25	10 30 Eastern	G	Water			X	X	X	X	X	X	8	
MLR-02_20250505_FBLL (500-267924-6)	5/5/25	10 30 Eastern	G	Water				X					2	
MW-3B_20250505 (500-267924-7)	5/5/25	09 30 Eastern	G	Water			X	X	X	X	X	X	8	
MW-3B_20250505_FBLL (500-267924-8)	5/5/25	09 30 Eastern	G	Water				X					2	
BNW-01_20250505 (500-267924-9)	5/5/25	15 10 Eastern	G	Water			X	X	X	X	X	X	8	

Note: Since laboratory accreditations are subject to change Eurofins Chicago places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed the samples must be shipped back to the Eurofins Chicago laboratory or other instructions will be provided Any changes to accreditation status should be brought to Eurofins Chicago attention immediately If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Chicago.

Possible Hazard Identification *Unconfirmed*	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)* ☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements

Empty Kit Relinquished by:	Date	Time:	Method of Shipment:

	Date/Time	Company	Received by	Date/Time	Company
Relinquished by:	5/8/25 1530		Josse Smith	5/9/25 11:00	EETN
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks

Ver 10/10/2024

Eurofins Chicago
18410 Crossing Drive Suite E
Tinley Park, IL 60487
Phone 708-534-5200 Fax 708-534-5211

Chain of Custody Record

eurofins | Environment Testing

6/16/2025

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Fredrick, Sandie	Carrier Tracking No(s): N/A	COC No: 500-200355 2
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Sandra Fredrick@et eurofinsus.com	State of Origin: Michigan	Page: Page 2 of 2
Company: Eurofins Environment Testing Northwest L		Accreditations Required (See note): N/A		Job #: 500-267924-1
Address: 5755 8th Street East, ,	Due Date Requested: 5/29/2025			Preservation Codes: -
City: Tacoma	TAT Requested (days): N/A			
State, Zip: WA, 98424				
Phone: 253-922-2310(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: White Pines, MI	Project #: 50023455			
Site: N/A	SSOW#: N/A			Other: N/A

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	1638/1638_Prep_W Uranium only (ICP/MS)	1631E/ Mercury, Low Level (CVAFS)	1630_ME/1630_Dist_PFP Methyl Mercury	1638/FIELD_FLTRD Dissolved Uranium only (ICP/MS) (field f	1631E/FIELD_FLTRD Dissolved Mercury, Low Level (CVAFS) (fi	1630_ME/FIELD_FLTRD Dissolved Methyl Mercury (field filtered	Total Number of containers	Special Instructions/Note:
			Preservation Code:											
BNW-01_20250505_FBLL (500-267924-10)	5/5/25	15 10 Eastern	G	Water				X					2	
PNC-02_20250505 (500-267924-11)	5/5/25	14 30 Eastern	G	Water			X	X	X	X	X	X	8	
PNC-02_20250505_FBLL (500-267924-12)	5/5/25	14 30 Eastern	G	Water				X					2	
NB1-3_20250505 (500-267924-13)	5/5/25	13 00 Eastern	G	Water			X	X	X	X	X	X	8	
NB1-3_20250505_FBLL (500-267924-14)	5/5/25	13 00 Eastern	G	Water				X					2	
NB1-1_20250505 (500-267924-15)	5/5/25	12 30 Eastern	G	Water			X	X	X	X	X	X	8	
NB1-1_20250505_FBLL (500-267924-16)	5/5/25	12 30 Eastern	G	Water				X					2	
DUP-01-GW_20250505 (500-267924-17)	5/5/25	23.59 Eastern	G	Water			X	X	X	X	X	X	8	
DUP-01-GW_20250505_FBLL (500-267924-18)	5/5/25	23 59 Eastern	G	Water				X					2	

Note: Since laboratory accreditations are subject to change Eurofins Chicago places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories This sample shipment is forwarded under chain-of-custody If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Chicago laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Chicago attention immediately If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Chicago.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested I, II, III, IV, Other (specify) Primary Deliverable Rank 2	Special Instructions/QC Requirements

Empty Kit Relinquished by:	Date	Time	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	[signature]	5/8/25 1530		Jesse Sing	5/9/25 11:88	EETN
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time.	Company	Received by:	Date/Time	Company

Custody Seals Intact ∆ Yes ∆ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks.

Ver: 10/10/2024

Eurofins Chicago coolers 5/9/25

Cooler #1

Therm. ID: SC03 Cust. Seal: (Y)/(N) JS 5/9/25
Uncorr./Corr. Temp 0.4/0.1 °C
Delivery: UPS / FedEx / Other ____ => large blue Coleman
Ice Type: Blue / Dry / Wet / None
Label Ver. JS 5/9/25 Packing: Bubble

Cooler #2

Therm. ID: SC04 Cust. Seal: (Y)/(N) JS 5/9/25
Uncorr./Corr. Temp 0.0/-0.5 °C
Delivery: UPS / FedEx / Other ____ => large blue Coleman
Ice Type: Blue / Dry / Wet / None
Label Ver. JS 5/9/25 Packing: Bubble

Cooler #3

Therm. ID: SC04 Cust. Seal: (Y)/(N) JS 5/9/25
Uncorr./Corr. Temp 0.7/0.2 °C
Delivery: UPS / FedEx / Other ____ => large blue Coleman
Ice Type: Blue / Dry / Wet / None
Label Ver. JS 5/9/25 Packing: None

Cooler #4

Therm. ID: SC04 Cust. Seal: (Y)/(N) JS 5/9/25
Uncorr./Corr. Temp 16.3/15.8 °C
Delivery: UPS / FedEx / Other ____ => large blue Coleman
Ice Type: Blue / Dry / Wet / None
Label Ver. JS 5/9/25 Packing: Bubble

▷ Master Trk#: 4468 9485 7818

▷ FedEx PO

Login Sample Receipt Checklist

Client: White Pine Copper LLC

Job Number: 500-267924-1

Login Number: 267924
List Number: 1
Creator: Hernandez, Stephanie

List Source: Eurofins Chicago

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	False	ALL ON ICE ON ARRIVAL
Cooler Temperature is recorded.	True	5.7,4.4,5.9,4.5,7.5
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	False	Refer to Job Narrative for details.
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: White Pine Copper LLC

Job Number: 500-267924-1

Login Number: 267924
List Number: 2
Creator: Singh, Jaskaran

List Source: Eurofins Seattle Specialty Metals
List Creation: 05/09/25 11:41 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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Date:	5/9/2025
End Time:	23:42
KI Paper Lot:	NIA
Analyst:	JS
Pipette:	N/A

MP_HG04 (JS 5/12/25)

Preservative ID	Preservative Type	Container ID
A	Bromine Monochloride (0.2N)	68976
ZZZZZZZZZZZZZZZ	ZZZZZZZZZZZZZZZZZZZZZZZ	ZZZZZZZZZZ
ZZZZZZZZZZZZZZZ	ZZZZZZZZZZZZZZZZZZZZZZZ	ZZZZZZZZZZ
ZZZZZZZZZZZZZZZ	ZZZZZZZZZZZZZZZZZZZZZZZ	ZZZZZZZZZZ

Sample ID	Pres. Used (ID)	Oxidized (Y/N)?	Pres. Vol. (mL)/Percent (%)	Comments
500-267924-A-9	A	Y	0.8/2	
500-267924-B-9	A	Y	0.8/2	
500-267924-D-9	A	Y	0.8/2	
500-267924-C-9	A	Y	0.8/2	
500-267924-A-10	A	Y	0.8/2	
500-267924-B-10	A	Y	0.8/2	
500-267924-A-11	A	Y	0.8/2	
500-267924-B-11	A	Y	0.8/2	
500-267924-D-11	A	Y	0.8/2	
500-267924-C-11	A	Y	0.8/2	
500-267924-A-12	A	Y	0.8/2	
500-267924-B-12	A	Y	0.8/2	
500-267924-B-13	A	Y	0.8/2	
500-267924-A-13	A	Y	0.8/2	
500-267924-C-13	A	Y	0.8/2	
500-267924-D-13	A	Y	0.8/2	
500-267924-A-14	A	Y	0.8/2	
500-267924-B-14	A	Y	0.8/2	
500-267924-A-15	A	Y	0.8/2	
500-267924-B-15	A	Y	0.8/2	
500-267924-C-15	A	Y	0.8/2	
500-267924-D-15	A	Y	0.8/2	
500-267924-A-16	A	Y	0.8/2	
500-267924-B-16	A	Y	0.8/2	
500-267924-A-17	A	Y	0.8/2	
500-267924-B-17	A	Y	0.8/2	
500-267924-C-17	A	Y	0.8/2	
500-267924-D-17	A	Y	0.8/2	
500-267924-A-18	A	Y	0.8/2	
500-267924-B-18	A	Y	0.8/2	
500-267924-B-1	A	Y	0.8/2	
500-267924-A-1	A	Y	0.8/2	
500-267924-C-1	A	Y	0.8/2	
500-267924-D-1	A	Y	0.8/2	
500-267924-A-2	A	Y	0.8/2	

JS 5/12/25

eurofins | Environment Testing

Date:	5/9/2025
End Time:	23:02
KI Paper Lot:	NA
Analyst:	JS
Pipette:	MP_HG04

Preservative ID	Preservative Type	Container ID
A	Bromine Monochloride (0.2N)	68976
zzzzzzzzzzzzzzz	zzzzzzzzzzzzzzzzzzzzzzz	zzzzzzzzzz
zzzzzzzzzzzzzzz	zzzzzzzzzzzzzzzzzzzzzzz	zzzzzzzzzz
zzzzzzzzzzzzzzz	zzzzzzzzzzzzzzzzzzzzzzz	zzzzzzzzzz

Sample ID	Pres. Used (ID)	Oxidized (Y/N)?	Pres. Vol. (mL)/Percent (%)	Comments
500-267924-D-1	A	Y	0.8/2	
500-267924-A-2	A	Y	0.8/2	
500-267924-B-2	A	Y	0.8/2	
500-267924-A-3	A	Y	0.8/2	
500-267924-B-3	A	Y	0.8/2	
500-267924-C-3	A	Y	0.8/2	
500-267924-D-3	A	Y	0.8/2	
500-267924-A-4	A	Y	0.8/2	
500-267924-B-4	A	Y	0.8/2	
500-267924-A-5	A	Y	0.8/2	
500-267924-B-5	A	Y	0.8/2	
500-267924-C-5	A	Y	0.8/2	
500-267924-D-5	A	Y	0.8/2	
500-267924-A-6	A	Y	0.8/2	
500-267924-B-6	A	Y	0.8/2	
500-267924-A-7	A	Y	0.8/2	
500-267924-B-7	A	Y	0.8/2	
500-267924-C-7	A	Y	0.8/2	
500-267924-D-7	A	Y	0.8/2	
500-267924-A-8	A	Y	0.8/2	
500-267924-B-8	A	Y	0.8/2	

JS 5/12/25

eurofins | Environment Testing

Date:	5/9/2025
End Time:	2302
pH Paper Lot:	HC441704
Analyst:	JS
Pipette:	N/A

Preservative ID	Preservative Type	Container ID
A	Hydrochloric Acid	N/A
zzzzzzzzzzzzzzz	zzzzzzzzzzzzzzzzzzzzzzz	zzzzzzzzzz
zzzzzzzzzzzzzzz	zzzzzzzzzzzzzzzzzzzzzzz	zzzzzzzzzz
zzzzzzzzzzzzzzz	zzzzzzzzzzzzzzzzzzzzzzz	zzzzzzzzzz

Sample ID	Initial pH	Final pH	Preservative ID	Preservative Added (mL)	Comments
500-267924-E-1	<2				
500-267924-E-3	<2				
500-267924-E-5	<2				
500-267924-E-7	<2				
500-267924-E-9	<2				
500-267924-E-11	<2				
500-267924-E-13	<2				
500-267924-E-15	<2				
500-267924-E-17	<2				
500-267924-F-1	<2				
500-267924-F-3	<2				
500-267924-F-5	<2				
500-267924-F-7	<2				
500-267924-F-9	<2				
500-267924-F-11	<2				
500-267924-F-13	<2				
500-267924-F-15	<2				
500-267924-F-17	<2				

JS 5/12/25

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Amanda Zeidler
White Pine Copper LLC
35362 Mall Circle Drive
White Pine, Michigan 49971

Generated 6/17/2025 9:06:01 AM

JOB DESCRIPTION

White Pines, MI

JOB NUMBER

500-267711-1

Eurofins Chicago
18410 Crossing Drive
Suite E
Tinley Park IL 60487

See page two for job notes and contact information.

my EOL

Job Notes

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. This report is confidential and is intended for the sole use of Eurofins Environment Testing North Central, LLC and its client. All questions regarding this report should be directed to the Eurofins Environment Testing North Central, LLC Project Manager who has signed this report.

Results relate only to the items tested and the sample(s) as received by the laboratory. The results, detection limits (LOD) and Quantitation Limits (LOQ) have been adjusted for sample dilutions and/or solids content.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Chicago Project Manager.

Compliance Statement

The LOD and LOQ reported are adjusted by the dilution factor when a dilution factor greater than 1 is needed. Additionally, where results are indicated as being reported on a dry weight basis, the LOD and LOQ are adjusted for moisture content as well.

Definitions of Limits
- LOD = Limit of Detection = MDL as defined by 40 CFR part 136 Appendix B
- LOQ = Limit of Quantitation = 3.33 x LOD as defined by Wisconsin
- RL = Report Limit = a concentration supported by a standard in the calibration curves

Authorization



Generated
6/17/2025 9:06:01 AM

Authorized for release by
Sandie Fredrick, Senior Project Manager
Sandra.Fredrick@et.eurofinsus.com
(920)261-1660

Table of Contents

Cover Page 1
Table of Contents 3
Case Narrative 4
Detection Summary 5
Method Summary 25
Sample Summary 26
Client Sample Results 27
Definitions 91
QC Association 92
QC Sample Results 109
Chronicle 132
Certification Summary 149
Chain of Custody 150
Receipt Checklists 167
Field Data Sheets 169

Job Narrative
500-267711-1

Receipt
The samples were received on 5/2/2025 9:20 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 8 coolers at receipt time were 2.0º C, 2.4º C, 3.2º C, 3.2º C, 3.7º C, 4.1º C, 4.4º C and 5.0º C.

Metals
Method 6020B: The linear range check ((LRC 500-817408/15)) recovered outside of control limits, biased high, for Barium and Strontium. Sample results within the high calibration standard for the affected analytes have been qualified and reported.

Method 6020B: The method blank for preparation batch 500-817153 and analytical batch 500-817408 contained Boron above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

Method 6020B: The method blank for preparation batch 500-817154 and analytical batch 500-817602 contained Selenium above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

Method 6020B: The following sample was diluted to bring the concentration of target analytes within the calibration range: SMW-1SB_20250430 (500-267711-7). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Field Service / Mobile Lab
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

General Chemistry
Methods 300.0, 9056A: Due to the high concentration of Chloride and Sulfate, the matrix spike / matrix spike duplicate (MS/MSD) for analytical batch 500-816170 could not be evaluated for accuracy and precision. The associated laboratory control sample (LCS) met acceptance criteria.

Methods 300.0, 9056A: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 500-816171 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 300.0: The following sample(s) was analyzed outside of analytical holding time due to insufficient time remaining in hold on arrival. LKS-01_20250430 (500-267711-5), SMW-1SB_20250430 (500-267711-7) and NTC-01_20250430 (500-267711-13)

Method 335.4: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 500-816954 and analytical batch 500-817121 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267711-1

Client Sample ID: MW-35_20250430 — Lab Sample ID: 500-267711-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	3.1		0.50	0.20	ng/L	1		1631E	Total/NA
Mercury	1.1		0.50	0.20	ng/L	1		1631E	Dissolved
Uranium	1.8		0.050	0.0098	ug/L	1		1638	Total Recoverable
Uranium	1.7		0.050	0.0098	ug/L	1		1638	Dissolved
Aluminum	27	J	100	25	ug/L	1		6020B	Total Recoverable
Arsenic	1.7		1.0	0.23	ug/L	1		6020B	Total Recoverable
Barium	590		2.5	0.73	ug/L	1		6020B	Total Recoverable
Boron	77	B	50	13	ug/L	1		6020B	Total Recoverable
Cadmium	0.20	J	0.50	0.17	ug/L	1		6020B	Total Recoverable
Calcium	75000		200	44	ug/L	1		6020B	Total Recoverable
Copper	12		2.0	0.50	ug/L	1		6020B	Total Recoverable
Lithium	8.4	J	10	2.5	ug/L	1		6020B	Total Recoverable
Magnesium	11000		200	49	ug/L	1		6020B	Total Recoverable
Manganese	2900		2.5	0.79	ug/L	1		6020B	Total Recoverable
Nickel	0.82	J	2.0	0.63	ug/L	1		6020B	Total Recoverable
Potassium	950		500	110	ug/L	1		6020B	Total Recoverable
Sodium	7500		200	77	ug/L	1		6020B	Total Recoverable
Strontium	150	^5+	4.0	0.64	ug/L	1		6020B	Total Recoverable
Vanadium	7.5		5.0	2.2	ug/L	1		6020B	Total Recoverable
Arsenic	1.4		1.0	0.23	ug/L	1		6020B	Dissolved
Barium	380	^5+	2.5	0.73	ug/L	1		6020B	Dissolved
Boron	81	B	50	13	ug/L	1		6020B	Dissolved
Calcium	73000		200	44	ug/L	1		6020B	Dissolved
Copper	1.2	J	2.0	0.50	ug/L	1		6020B	Dissolved
Lithium	8.2	J	10	2.5	ug/L	1		6020B	Dissolved
Magnesium	11000		200	49	ug/L	1		6020B	Dissolved
Potassium	950		500	110	ug/L	1		6020B	Dissolved
Sodium	7400		200	77	ug/L	1		6020B	Dissolved
Strontium	150	^5+	4.0	0.64	ug/L	1		6020B	Dissolved
Vanadium	2.2	J	5.0	2.2	ug/L	1		6020B	Dissolved
Hardness as calcium carbonate	230		0.91	0.46	mg/L	1		SM 2340B	Total Recoverable
Chloride	0.80	J	1.0	0.42	mg/L	1		300.0	Total/NA
Sulfate	7.6		1.0	0.47	mg/L	1		300.0	Total/NA
Alkalinity	220		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	220		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	200		10	4.3	mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	4.4	J	5.0	1.9	mg/L	1		SM 2540D	Total/NA
Sulfide	0.51	J	1.0	0.23	mg/L	1		SM 4500 S2 F	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-35_20250430 (Continued) — Lab Sample ID: 500-267711-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Organic Carbon	1.7		1.0	0.47	mg/L	1		SM 5310C	Total/NA
Dissolved Organic Carbon	1.8		1.0	0.47	mg/L	1		SM 5310C	Dissolved

Client Sample ID: MW-35_20250430_FBLL — Lab Sample ID: 500-267711-2

No Detections.

Client Sample ID: MW-36_20250430 — Lab Sample ID: 500-267711-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	0.64		0.50	0.20	ng/L	1		1631E	Total/NA
Mercury	0.27	J	0.50	0.20	ng/L	1		1631E	Dissolved
Uranium	0.11		0.050	0.0098	ug/L	1		1638	Total Recoverable
Uranium	0.11		0.050	0.0098	ug/L	1		1638	Dissolved
Aluminum	31	J	100	25	ug/L	1		6020B	Total Recoverable
Arsenic	1.2		1.0	0.23	ug/L	1		6020B	Total Recoverable
Barium	390	^5+	2.5	0.73	ug/L	1		6020B	Total Recoverable
Boron	86	B	50	13	ug/L	1		6020B	Total Recoverable
Calcium	110000		200	44	ug/L	1		6020B	Total Recoverable
Copper	0.81	J	2.0	0.50	ug/L	1		6020B	Total Recoverable
Iron	2700		100	47	ug/L	1		6020B	Total Recoverable
Lithium	17		10	2.5	ug/L	1		6020B	Total Recoverable
Magnesium	16000		200	49	ug/L	1		6020B	Total Recoverable
Manganese	1800		2.5	0.79	ug/L	1		6020B	Total Recoverable
Potassium	320	J	500	110	ug/L	1		6020B	Total Recoverable
Sodium	29000		200	77	ug/L	1		6020B	Total Recoverable
Strontium	1200	^5+	4.0	0.64	ug/L	1		6020B	Total Recoverable
Vanadium	3.1	J	5.0	2.2	ug/L	1		6020B	Total Recoverable
Arsenic	0.99	J	1.0	0.23	ug/L	1		6020B	Dissolved
Barium	390	^5+	2.5	0.73	ug/L	1		6020B	Dissolved
Boron	83	B	50	13	ug/L	1		6020B	Dissolved
Calcium	110000		200	44	ug/L	1		6020B	Dissolved
Iron	2200		100	47	ug/L	1		6020B	Dissolved
Lithium	16		10	2.5	ug/L	1		6020B	Dissolved
Magnesium	16000		200	49	ug/L	1		6020B	Dissolved
Manganese	1900		2.5	0.79	ug/L	1		6020B	Dissolved
Potassium	320	J	500	110	ug/L	1		6020B	Dissolved
Sodium	28000		200	77	ug/L	1		6020B	Dissolved
Strontium	1200	^5+	4.0	0.64	ug/L	1		6020B	Dissolved
Vanadium	2.3	J	5.0	2.2	ug/L	1		6020B	Dissolved

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-36_20250430 (Continued) — Lab Sample ID: 500-267711-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Hardness as calcium carbonate	340		0.91	0.46	mg/L	1		SM 2340B	Total Recoverable
Bromide	0.58	J	1.0	0.45	mg/L	1		300.0	Total/NA
Chloride	46		1.0	0.42	mg/L	1		300.0	Total/NA
Sulfate	0.55	J	1.0	0.47	mg/L	1		300.0	Total/NA
Alkalinity	300		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	300		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	350		10	4.3	mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	4.8	J	5.0	1.9	mg/L	1		SM 2540D	Total/NA
Total Organic Carbon	8.4	F1	1.0	0.47	mg/L	1		SM 5310C	Total/NA
Dissolved Organic Carbon	8.3		1.0	0.47	mg/L	1		SM 5310C	Dissolved

Client Sample ID: MW-36_20250430_FBLL — Lab Sample ID: 500-267711-4

No Detections.

Client Sample ID: LKS-01_20250430 — Lab Sample ID: 500-267711-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	2.5		0.50	0.20	ng/L	1		1631E	Total/NA
Mercury	1.7		0.50	0.20	ng/L	1		1631E	Dissolved
Uranium	0.088		0.050	0.0098	ug/L	1		1638	Total Recoverable
Uranium	0.071		0.050	0.0098	ug/L	1		1638	Dissolved
Aluminum	640		100	25	ug/L	1		6020B	Total Recoverable
Arsenic	0.49	J	1.0	0.23	ug/L	1		6020B	Total Recoverable
Barium	20	^5+	2.5	0.73	ug/L	1		6020B	Total Recoverable
Boron	20	J	50	13	ug/L	1		6020B	Total Recoverable
Calcium	13000		200	44	ug/L	1		6020B	Total Recoverable
Chromium	1.1	J	5.0	1.1	ug/L	1		6020B	Total Recoverable
Copper	6.7		2.0	0.50	ug/L	1		6020B	Total Recoverable
Iron	530		100	47	ug/L	1		6020B	Total Recoverable
Lead	0.25	J	0.50	0.19	ug/L	1		6020B	Total Recoverable
Magnesium	3000		200	49	ug/L	1		6020B	Total Recoverable
Manganese	15		2.5	0.79	ug/L	1		6020B	Total Recoverable
Potassium	720		500	110	ug/L	1		6020B	Total Recoverable
Sodium	2700		200	77	ug/L	1		6020B	Total Recoverable
Strontium	31	^5+	4.0	0.64	ug/L	1		6020B	Total Recoverable
Aluminum	50	J	100	25	ug/L	1		6020B	Dissolved
Arsenic	0.32	J	1.0	0.23	ug/L	1		6020B	Dissolved
Barium	15	^5+	2.5	0.73	ug/L	1		6020B	Dissolved
Boron	18	J	50	13	ug/L	1		6020B	Dissolved

This Detection Summary does not include radiochemical test results.

Client Sample ID: LKS-01_20250430 (Continued) — Lab Sample ID: 500-267711-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	12000		200	44	ug/L	1		6020B	Dissolved
Copper	4.1		2.0	0.50	ug/L	1		6020B	Dissolved
Iron	49	J	100	47	ug/L	1		6020B	Dissolved
Magnesium	2600		200	49	ug/L	1		6020B	Dissolved
Manganese	2.7		2.5	0.79	ug/L	1		6020B	Dissolved
Potassium	530		500	110	ug/L	1		6020B	Dissolved
Sodium	2500		200	77	ug/L	1		6020B	Dissolved
Strontium	29	^5+	4.0	0.64	ug/L	1		6020B	Dissolved
Hardness as calcium carbonate	45		0.91	0.46	mg/L	1		SM 2340B	Total Recoverable
Nitrate as N	0.44	J H	1.0	0.37	mg/L	1		300.0	Total/NA
Chloride	3.5		1.0	0.42	mg/L	1		300.0	Total/NA
Nitrate Nitrite as N	0.44	J H	1.0	0.37	mg/L	1		300.0	Total/NA
Sulfate	3.1		1.0	0.47	mg/L	1		300.0	Total/NA
Alkalinity	46		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	46		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	44		10	4.3	mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	12		5.0	1.9	mg/L	1		SM 2540D	Total/NA
Sulfide	0.89	J	1.0	0.23	mg/L	1		SM 4500 S2 F	Total/NA
Total Organic Carbon	4.1		1.0	0.47	mg/L	1		SM 5310C	Total/NA
Dissolved Organic Carbon	4.3		1.0	0.47	mg/L	1		SM 5310C	Dissolved

Client Sample ID: LKS-01_20250430_FBLL — Lab Sample ID: 500-267711-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	0.37	J	0.50	0.20	ng/L	1		1631E	Total/NA

Client Sample ID: SMW-1SB_20250430 — Lab Sample ID: 500-267711-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	3.6		0.50	0.20	ng/L	1		1631E	Total/NA
Mercury	0.80		0.50	0.20	ng/L	1		1631E	Dissolved
Uranium	0.82		0.050	0.0098	ug/L	1		1638	Total Recoverable
Uranium	0.67		0.050	0.0098	ug/L	1		1638	Dissolved
Aluminum	680		100	25	ug/L	1		6020B	Total Recoverable
Arsenic	3.5		1.0	0.23	ug/L	1		6020B	Total Recoverable
Barium	14	^5+	2.5	0.73	ug/L	1		6020B	Total Recoverable
Boron	6800		250	64	ug/L	5		6020B	Total Recoverable
Calcium	2700		200	44	ug/L	1		6020B	Total Recoverable
Chromium	1.4	J	5.0	1.1	ug/L	1		6020B	Total Recoverable
Copper	8.3		2.0	0.50	ug/L	1		6020B	Total Recoverable
Iron	510		100	47	ug/L	1		6020B	Total Recoverable
Lead	0.47	J	0.50	0.19	ug/L	1		6020B	Total Recoverable
Lithium	19		10	2.5	ug/L	1		6020B	Total Recoverable

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267711-1

Client Sample ID: SMW-1SB_20250430 (Continued) — Lab Sample ID: 500-267711-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Magnesium	480		200	49	ug/L	1		6020B	Total Recoverable
Manganese	11		2.5	0.79	ug/L	1		6020B	Total Recoverable
Molybdenum	7.2		5.0	2.5	ug/L	1		6020B	Total Recoverable
Nickel	0.95	J	2.0	0.63	ug/L	1		6020B	Total Recoverable
Potassium	1500		500	110	ug/L	1		6020B	Total Recoverable
Sodium	98000		200	77	ug/L	1		6020B	Total Recoverable
Strontium	24	^5+	4.0	0.64	ug/L	1		6020B	Total Recoverable
Vanadium	6.6		5.0	2.2	ug/L	1		6020B	Total Recoverable
Aluminum	26	J	100	25	ug/L	1		6020B	Dissolved
Arsenic	3.5		1.0	0.23	ug/L	1		6020B	Dissolved
Barium	10	^5+	2.5	0.73	ug/L	1		6020B	Dissolved
Boron	6800		250	64	ug/L	5		6020B	Dissolved
Calcium	2400		200	44	ug/L	1		6020B	Dissolved
Copper	1.7	J	2.0	0.50	ug/L	1		6020B	Dissolved
Lithium	19		10	2.5	ug/L	1		6020B	Dissolved
Magnesium	240		200	49	ug/L	1		6020B	Dissolved
Manganese	2.3	J	2.5	0.79	ug/L	1		6020B	Dissolved
Molybdenum	7.0		5.0	2.5	ug/L	1		6020B	Dissolved
Potassium	1300		500	110	ug/L	1		6020B	Dissolved
Sodium	96000		200	77	ug/L	1		6020B	Dissolved
Strontium	23	^5+	4.0	0.64	ug/L	1		6020B	Dissolved
Vanadium	4.9	J	5.0	2.2	ug/L	1		6020B	Dissolved
Hardness as calcium carbonate	8.7		0.91	0.46	mg/L	1		SM 2340B	Total Recoverable
Chloride	15		1.0	0.42	mg/L	1		300.0	Total/NA
Fluoride	6.1		1.0	0.43	mg/L	1		300.0	Total/NA
Sulfate	14		1.0	0.47	mg/L	1		300.0	Total/NA
Ammonia	5.2		0.20	0.10	mg/L	1		350.1	Total/NA
Phosphorus as P	0.14		0.050	0.024	mg/L	1		365.1	Total/NA
Alkalinity	160		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	130		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Carbonate Alkalinity as CaCO3	29		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	250		10	4.3	mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	15		5.0	1.9	mg/L	1		SM 2540D	Total/NA
Sulfide	0.80	J	1.0	0.23	mg/L	1		SM 4500 S2 F	Total/NA
Total Organic Carbon	1.9		1.0	0.47	mg/L	1		SM 5310C	Total/NA
Dissolved Organic Carbon	2.1		1.0	0.47	mg/L	1		SM 5310C	Dissolved

Client Sample ID: SMW-1SB_20250430_FBLL — Lab Sample ID: 500-267711-8

No Detections.

Client Sample ID: NB2-1_20250430 — Lab Sample ID: 500-267711-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	0.23	J	0.50	0.20	ng/L	1		1631E	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: NB2-1_20250430 (Continued)

Lab Sample ID: 500-267711-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	0.25	J	0.50	0.20	ng/L	1		1631E	Dissolved
Uranium	0.10		0.050	0.0098	ug/L	1		1638	Total Recoverable
Uranium	0.10		0.050	0.0098	ug/L	1		1638	Dissolved
Aluminum	32	J	100	25	ug/L	1		6020B	Total Recoverable
Arsenic	0.53	J	1.0	0.23	ug/L	1		6020B	Total Recoverable
Barium	960	^5+	2.5	0.73	ug/L	1		6020B	Total Recoverable
Boron	540		50	13	ug/L	1		6020B	Total Recoverable
Calcium	120000		200	44	ug/L	1		6020B	Total Recoverable
Iron	91	J	100	47	ug/L	1		6020B	Total Recoverable
Lithium	40		10	2.5	ug/L	1		6020B	Total Recoverable
Magnesium	34000		200	49	ug/L	1		6020B	Total Recoverable
Manganese	400		2.5	0.79	ug/L	1		6020B	Total Recoverable
Nickel	0.72	J	2.0	0.63	ug/L	1		6020B	Total Recoverable
Potassium	15000		500	110	ug/L	1		6020B	Total Recoverable
Sodium	67000		200	77	ug/L	1		6020B	Total Recoverable
Strontium	1700		4.0	0.64	ug/L	1		6020B	Total Recoverable
Arsenic	0.52	J	1.0	0.23	ug/L	1		6020B	Dissolved
Barium	1100	^5+	2.5	0.73	ug/L	1		6020B	Dissolved
Boron	540		50	13	ug/L	1		6020B	Dissolved
Calcium	120000		200	44	ug/L	1		6020B	Dissolved
Lithium	38		10	2.5	ug/L	1		6020B	Dissolved
Magnesium	34000		200	49	ug/L	1		6020B	Dissolved
Manganese	390		2.5	0.79	ug/L	1		6020B	Dissolved
Potassium	14000		500	110	ug/L	1		6020B	Dissolved
Sodium	66000		200	77	ug/L	1		6020B	Dissolved
Strontium	1700		4.0	0.64	ug/L	1		6020B	Dissolved
Hardness as calcium carbonate	430		0.91	0.46	mg/L	1		SM 2340B	Total Recoverable
Bromide	0.65	J	1.0	0.45	mg/L	1		300.0	Total/NA
Chloride	89		1.0	0.42	mg/L	1		300.0	Total/NA
Sulfate	59		1.0	0.47	mg/L	1		300.0	Total/NA
Ammonia	0.19	J	0.20	0.10	mg/L	1		350.1	Total/NA
Alkalinity	400		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	400		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Salinity	0.40		0.33	0.33	psu	1		SM 2520B	Total/NA
Total Dissolved Solids	680		10	4.3	mg/L	1		SM 2540C	Total/NA
Sulfide	6.1		1.0	0.23	mg/L	1		SM 4500 S2 F	Total/NA
Total Organic Carbon	7.8		1.0	0.47	mg/L	1		SM 5310C	Total/NA
Dissolved Organic Carbon	7.9		1.0	0.47	mg/L	1		SM 5310C	Dissolved

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267711-1

Client Sample ID: NB2-1_20250430_FBLL — Lab Sample ID: 500-267711-10

No Detections.

Client Sample ID: NB2-3_20250430 — Lab Sample ID: 500-267711-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	0.53		0.50	0.20	ng/L	1		1631E	Total/NA
Mercury	0.20	J	0.50	0.20	ng/L	1		1631E	Dissolved
Uranium	0.016	J	0.050	0.0098	ug/L	1		1638	Total Recoverable
Uranium	0.014	J	0.050	0.0098	ug/L	1		1638	Dissolved
Aluminum	27	J	100	25	ug/L	1		6020B	Total Recoverable
Arsenic	6.7		1.0	0.23	ug/L	1		6020B	Total Recoverable
Barium	210	^5+	2.5	0.73	ug/L	1		6020B	Total Recoverable
Boron	2000		50	13	ug/L	1		6020B	Total Recoverable
Calcium	22000		200	44	ug/L	1		6020B	Total Recoverable
Copper	2.2		2.0	0.50	ug/L	1		6020B	Total Recoverable
Iron	1000		100	47	ug/L	1		6020B	Total Recoverable
Lithium	12		10	2.5	ug/L	1		6020B	Total Recoverable
Magnesium	2500		200	49	ug/L	1		6020B	Total Recoverable
Manganese	140		2.5	0.79	ug/L	1		6020B	Total Recoverable
Molybdenum	110		5.0	2.5	ug/L	1		6020B	Total Recoverable
Potassium	8900		500	110	ug/L	1		6020B	Total Recoverable
Sodium	210000		200	77	ug/L	1		6020B	Total Recoverable
Strontium	300	^5+	4.0	0.64	ug/L	1		6020B	Total Recoverable
Arsenic	6.1		1.0	0.23	ug/L	1		6020B	Dissolved
Barium	200		2.5	0.73	ug/L	1		6020B	Dissolved
Boron	1900		50	13	ug/L	1		6020B	Dissolved
Calcium	21000		200	44	ug/L	1		6020B	Dissolved
Iron	670		100	47	ug/L	1		6020B	Dissolved
Lithium	12		10	2.5	ug/L	1		6020B	Dissolved
Magnesium	2300		200	49	ug/L	1		6020B	Dissolved
Manganese	140		2.5	0.79	ug/L	1		6020B	Dissolved
Molybdenum	110		5.0	2.5	ug/L	1		6020B	Dissolved
Potassium	8600		500	110	ug/L	1		6020B	Dissolved
Sodium	200000		200	77	ug/L	1		6020B	Dissolved
Strontium	280		4.0	0.64	ug/L	1		6020B	Dissolved
Tin	1.4	J	5.0	1.3	ug/L	1		6020B	Dissolved
Hardness as calcium carbonate	65		0.91	0.46	mg/L	1		SM 2340B	Total Recoverable
Bromide	2.3		1.0	0.45	mg/L	1		300.0	Total/NA
Chloride	230		1.0	0.42	mg/L	1		300.0	Total/NA
Ammonia	0.31		0.20	0.10	mg/L	1		350.1	Total/NA
Phosphorus as P	0.18		0.050	0.024	mg/L	1		365.1	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267711-1

Client Sample ID: NB2-3_20250430 (Continued) — Lab Sample ID: 500-267711-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Alkalinity	200		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	200		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Salinity	0.40		0.33	0.33	psu	1		SM 2520B	Total/NA
Total Dissolved Solids	570		10	4.3	mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	6.8		5.0	1.9	mg/L	1		SM 2540D	Total/NA
Total Organic Carbon	5.2		1.0	0.47	mg/L	1		SM 5310C	Total/NA
Dissolved Organic Carbon	5.0		1.0	0.47	mg/L	1		SM 5310C	Dissolved

Client Sample ID: NB2-3_20250430_FBLL — Lab Sample ID: 500-267711-12

No Detections.

Client Sample ID: NTC-01_20250430 — Lab Sample ID: 500-267711-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl Mercury	0.049	J	0.050	0.022	ng/L	1		1630	Total/NA
Methyl Mercury	0.035	J	0.050	0.022	ng/L	1		1630	Dissolved
Mercury	3.2		0.50	0.20	ng/L	1		1631E	Total/NA
Mercury	2.6		0.50	0.20	ng/L	1		1631E	Dissolved
Uranium	0.057		0.050	0.0098	ug/L	1		1638	Total Recoverable
Uranium	0.058		0.050	0.0098	ug/L	1		1638	Dissolved
Aluminum	110		100	25	ug/L	1		6020B	Total Recoverable
Arsenic	0.31	J	1.0	0.23	ug/L	1		6020B	Total Recoverable
Barium	30		2.5	0.73	ug/L	1		6020B	Total Recoverable
Boron	74		50	13	ug/L	1		6020B	Total Recoverable
Calcium	15000		200	44	ug/L	1		6020B	Total Recoverable
Copper	12		2.0	0.50	ug/L	1		6020B	Total Recoverable
Iron	430		100	47	ug/L	1		6020B	Total Recoverable
Magnesium	3200		200	49	ug/L	1		6020B	Total Recoverable
Manganese	43		2.5	0.79	ug/L	1		6020B	Total Recoverable
Potassium	1300		500	110	ug/L	1		6020B	Total Recoverable
Sodium	3500		200	77	ug/L	1		6020B	Total Recoverable
Strontium	89		4.0	0.64	ug/L	1		6020B	Total Recoverable
Tin	1.3	J	5.0	1.3	ug/L	1		6020B	Total Recoverable
Aluminum	47	J	100	25	ug/L	1		6020B	Dissolved
Arsenic	0.30	J	1.0	0.23	ug/L	1		6020B	Dissolved
Barium	30		2.5	0.73	ug/L	1		6020B	Dissolved
Boron	61		50	13	ug/L	1		6020B	Dissolved
Calcium	15000		200	44	ug/L	1		6020B	Dissolved
Copper	11		2.0	0.50	ug/L	1		6020B	Dissolved
Iron	300		100	47	ug/L	1		6020B	Dissolved
Magnesium	3300		200	49	ug/L	1		6020B	Dissolved

This Detection Summary does not include radiochemical test results.

Client Sample ID: NTC-01_20250430 (Continued) — Lab Sample ID: 500-267711-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Manganese	34		2.5	0.79	ug/L	1		6020B	Dissolved
Potassium	1300		500	110	ug/L	1		6020B	Dissolved
Sodium	3500		200	77	ug/L	1		6020B	Dissolved
Strontium	91		4.0	0.64	ug/L	1		6020B	Dissolved
Hardness as calcium carbonate	50		0.91	0.46	mg/L	1		SM 2340B	Total Recoverable
Chloride	5.7		1.0	0.42	mg/L	1		300.0	Total/NA
Sulfate	1.7		1.0	0.47	mg/L	1		300.0	Total/NA
Alkalinity	55		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	55		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	86		10	4.3	mg/L	1		SM 2540C	Total/NA
Sulfide	1.5		1.0	0.23	mg/L	1		SM 4500 S2 F	Total/NA
Total Organic Carbon	10		1.0	0.47	mg/L	1		SM 5310C	Total/NA
Dissolved Organic Carbon	9.8		1.0	0.47	mg/L	1		SM 5310C	Dissolved

Client Sample ID: NTC-01_20250430_FBLL — Lab Sample ID: 500-267711-14

No Detections.

Client Sample ID: DUP-01-SW_20250430 — Lab Sample ID: 500-267711-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl Mercury	0.066		0.050	0.022	ng/L	1		1630	Total/NA
Methyl Mercury	0.047	J	0.050	0.022	ng/L	1		1630	Dissolved
Mercury	3.1		0.50	0.20	ng/L	1		1631E	Total/NA
Mercury	2.5		0.50	0.20	ng/L	1		1631E	Dissolved
Uranium	0.053		0.050	0.0098	ug/L	1		1638	Total Recoverable
Uranium	0.053		0.050	0.0098	ug/L	1		1638	Dissolved
Aluminum	120		100	25	ug/L	1		6020B	Total Recoverable
Arsenic	0.35	J	1.0	0.23	ug/L	1		6020B	Total Recoverable
Barium	30		2.5	0.73	ug/L	1		6020B	Total Recoverable
Boron	56		50	13	ug/L	1		6020B	Total Recoverable
Calcium	15000		200	44	ug/L	1		6020B	Total Recoverable
Copper	12		2.0	0.50	ug/L	1		6020B	Total Recoverable
Iron	420		100	47	ug/L	1		6020B	Total Recoverable
Magnesium	3200		200	49	ug/L	1		6020B	Total Recoverable
Manganese	44		2.5	0.79	ug/L	1		6020B	Total Recoverable
Potassium	1300		500	110	ug/L	1		6020B	Total Recoverable
Sodium	3500		200	77	ug/L	1		6020B	Total Recoverable
Strontium	89		4.0	0.64	ug/L	1		6020B	Total Recoverable
Aluminum	48	J	100	25	ug/L	1		6020B	Dissolved
Arsenic	0.33	J	1.0	0.23	ug/L	1		6020B	Dissolved
Barium	29		2.5	0.73	ug/L	1		6020B	Dissolved

This Detection Summary does not include radiochemical test results.

Client Sample ID: DUP-01-SW_20250430 (Continued) — Lab Sample ID: 500-267711-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Boron	48	J	50	13	ug/L	1		6020B	Dissolved
Calcium	15000		200	44	ug/L	1		6020B	Dissolved
Copper	11		2.0	0.50	ug/L	1		6020B	Dissolved
Iron	270		100	47	ug/L	1		6020B	Dissolved
Magnesium	3200		200	49	ug/L	1		6020B	Dissolved
Manganese	33		2.5	0.79	ug/L	1		6020B	Dissolved
Potassium	1300		500	110	ug/L	1		6020B	Dissolved
Sodium	3500		200	77	ug/L	1		6020B	Dissolved
Strontium	89		4.0	0.64	ug/L	1		6020B	Dissolved
Hardness as calcium carbonate	50		0.91	0.46	mg/L	1		SM 2340B	Total Recoverable
Chloride	5.5		1.0	0.42	mg/L	1		300.0	Total/NA
Sulfate	1.7		1.0	0.47	mg/L	1		300.0	Total/NA
Alkalinity	52		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	52		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	54		10	4.3	mg/L	1		SM 2540C	Total/NA
Sulfide	0.91	J	1.0	0.23	mg/L	1		SM 4500 S2 F	Total/NA
Total Organic Carbon	10		1.0	0.47	mg/L	1		SM 5310C	Total/NA
Dissolved Organic Carbon	10		1.0	0.47	mg/L	1		SM 5310C	Dissolved

Client Sample ID: DUP-01-SW_20250430_FBLL — Lab Sample ID: 500-267711-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	0.21	J	0.50	0.20	ng/L	1		1631E	Total/NA

Client Sample ID: PRC-02_20250430 — Lab Sample ID: 500-267711-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl Mercury	0.033	J	0.050	0.022	ng/L	1		1630	Total/NA
Mercury	0.85		0.50	0.20	ng/L	1		1631E	Total/NA
Mercury	0.39	J	0.50	0.20	ng/L	1		1631E	Dissolved
Uranium	0.38		0.050	0.0098	ug/L	1		1638	Total Recoverable
Uranium	0.36		0.050	0.0098	ug/L	1		1638	Dissolved
Aluminum	460		100	25	ug/L	1		6020B	Total Recoverable
Arsenic	0.59	J	1.0	0.23	ug/L	1		6020B	Total Recoverable
Barium	62		2.5	0.73	ug/L	1		6020B	Total Recoverable
Boron	120		50	13	ug/L	1		6020B	Total Recoverable
Calcium	45000		200	44	ug/L	1		6020B	Total Recoverable
Chromium	1.2	J	5.0	1.1	ug/L	1		6020B	Total Recoverable
Copper	52		2.0	0.50	ug/L	1		6020B	Total Recoverable
Iron	740		100	47	ug/L	1		6020B	Total Recoverable
Lead	0.21	J	0.50	0.19	ug/L	1		6020B	Total Recoverable
Lithium	17		10	2.5	ug/L	1		6020B	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client Sample ID: PRC-02_20250430 (Continued) — Lab Sample ID: 500-267711-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Magnesium	5700		200	49	ug/L	1		6020B	Total Recoverable
Manganese	49		2.5	0.79	ug/L	1		6020B	Total Recoverable
Molybdenum	22		5.0	2.5	ug/L	1		6020B	Total Recoverable
Nickel	0.78	J	2.0	0.63	ug/L	1		6020B	Total Recoverable
Potassium	3300		500	110	ug/L	1		6020B	Total Recoverable
Sodium	23000		200	77	ug/L	1		6020B	Total Recoverable
Strontium	400		4.0	0.64	ug/L	1		6020B	Total Recoverable
Arsenic	0.45	J	1.0	0.23	ug/L	1		6020B	Dissolved
Barium	57		2.5	0.73	ug/L	1		6020B	Dissolved
Boron	120		50	13	ug/L	1		6020B	Dissolved
Calcium	44000		200	44	ug/L	1		6020B	Dissolved
Copper	19		2.0	0.50	ug/L	1		6020B	Dissolved
Lithium	17		10	2.5	ug/L	1		6020B	Dissolved
Magnesium	5400		200	49	ug/L	1		6020B	Dissolved
Manganese	23		2.5	0.79	ug/L	1		6020B	Dissolved
Molybdenum	22		5.0	2.5	ug/L	1		6020B	Dissolved
Potassium	3200		500	110	ug/L	1		6020B	Dissolved
Sodium	23000		200	77	ug/L	1		6020B	Dissolved
Strontium	390		4.0	0.64	ug/L	1		6020B	Dissolved
Hardness as calcium carbonate	130		0.91	0.46	mg/L	1		SM 2340B	Total Recoverable
Bromide	0.54	J	1.0	0.45	mg/L	1		300.0	Total/NA
Chloride	60		1.0	0.42	mg/L	1		300.0	Total/NA
Sulfate	13		1.0	0.47	mg/L	1		300.0	Total/NA
Alkalinity	93		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	93		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	220		10	4.3	mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	7.2		5.0	1.9	mg/L	1		SM 2540D	Total/NA
Sulfide	0.83	J	1.0	0.23	mg/L	1		SM 4500 S2 F	Total/NA
Total Organic Carbon	4.3		1.0	0.47	mg/L	1		SM 5310C	Total/NA
Dissolved Organic Carbon	4.3		1.0	0.47	mg/L	1		SM 5310C	Dissolved

Client Sample ID: PRC-02_20250430_FBLL — Lab Sample ID: 500-267711-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	1.2		0.50	0.20	ng/L	1		1631E	Total/NA

Client Sample ID: MLR-03_20250430 — Lab Sample ID: 500-267711-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl Mercury	0.045	J	0.050	0.022	ng/L	1		1630	Total/NA
Methyl Mercury	0.036	J	0.050	0.022	ng/L	1		1630	Dissolved
Mercury	6.1		0.50	0.20	ng/L	1		1631E	Total/NA
Mercury	4.6		0.50	0.20	ng/L	1		1631E	Dissolved
Uranium	0.16		0.050	0.0098	ug/L	1		1638	Total Recoverable
Uranium	0.14		0.050	0.0098	ug/L	1		1638	Dissolved

This Detection Summary does not include radiochemical test results.

Client Sample ID: MLR-03_20250430 (Continued)

Lab Sample ID: 500-267711-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aluminum	1000		100	25	ug/L	1		6020B	Total Recoverable
Arsenic	0.50	J	1.0	0.23	ug/L	1		6020B	Total Recoverable
Barium	22		2.5	0.73	ug/L	1		6020B	Total Recoverable
Boron	29	J	50	13	ug/L	1		6020B	Total Recoverable
Calcium	9800		200	44	ug/L	1		6020B	Total Recoverable
Chromium	1.4	J	5.0	1.1	ug/L	1		6020B	Total Recoverable
Copper	43		2.0	0.50	ug/L	1		6020B	Total Recoverable
Iron	960		100	47	ug/L	1		6020B	Total Recoverable
Lead	0.43	J	0.50	0.19	ug/L	1		6020B	Total Recoverable
Magnesium	2400		200	49	ug/L	1		6020B	Total Recoverable
Manganese	24		2.5	0.79	ug/L	1		6020B	Total Recoverable
Nickel	1.1	J	2.0	0.63	ug/L	1		6020B	Total Recoverable
Potassium	850		500	110	ug/L	1		6020B	Total Recoverable
Sodium	3200		200	77	ug/L	1		6020B	Total Recoverable
Strontium	25		4.0	0.64	ug/L	1		6020B	Total Recoverable
Vanadium	2.3	J	5.0	2.2	ug/L	1		6020B	Total Recoverable
Aluminum	650		100	25	ug/L	1		6020B	Dissolved
Arsenic	0.44	J	1.0	0.23	ug/L	1		6020B	Dissolved
Barium	19		2.5	0.73	ug/L	1		6020B	Dissolved
Boron	25	J	50	13	ug/L	1		6020B	Dissolved
Calcium	9900		200	44	ug/L	1		6020B	Dissolved
Copper	41		2.0	0.50	ug/L	1		6020B	Dissolved
Iron	660		100	47	ug/L	1		6020B	Dissolved
Lead	0.30	J	0.50	0.19	ug/L	1		6020B	Dissolved
Magnesium	2300		200	49	ug/L	1		6020B	Dissolved
Manganese	19		2.5	0.79	ug/L	1		6020B	Dissolved
Nickel	0.83	J	2.0	0.63	ug/L	1		6020B	Dissolved
Potassium	770		500	110	ug/L	1		6020B	Dissolved
Sodium	3200		200	77	ug/L	1		6020B	Dissolved
Strontium	25		4.0	0.64	ug/L	1		6020B	Dissolved
Hardness as calcium carbonate	34		0.91	0.46	mg/L	1		SM 2340B	Total Recoverable
Chloride	3.7		1.0	0.42	mg/L	1		300.0	Total/NA
Sulfate	1.4		1.0	0.47	mg/L	1		300.0	Total/NA
Phosphorus as P	0.030	J	0.050	0.024	mg/L	1		365.1	Total/NA
Alkalinity	31		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	31		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	66		10	4.3	mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	10		5.0	1.9	mg/L	1		SM 2540D	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: MLR-03_20250430 (Continued) — Lab Sample ID: 500-267711-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sulfide	2.1		1.0	0.23	mg/L	1		SM 4500 S2 F	Total/NA
Total Organic Carbon	11		1.0	0.47	mg/L	1		SM 5310C	Total/NA
Dissolved Organic Carbon	12		1.0	0.47	mg/L	1		SM 5310C	Dissolved

Client Sample ID: MLR-03_20250430_FBLL — Lab Sample ID: 500-267711-20

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	0.30	J	0.50	0.20	ng/L	1		1631E	Total/NA

Client Sample ID: MW-37_20250501 — Lab Sample ID: 500-267711-21

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	0.40	J	0.50	0.20	ng/L	1		1631E	Total/NA
Mercury	0.24	J	0.50	0.20	ng/L	1		1631E	Dissolved
Uranium	0.38		0.050	0.0098	ug/L	1		1638	Total Recoverable
Uranium	0.26		0.050	0.0098	ug/L	1		1638	Dissolved
Aluminum	110		100	25	ug/L	1		6020B	Total Recoverable
Arsenic	0.90	J	1.0	0.23	ug/L	1		6020B	Total Recoverable
Barium	120		2.5	0.73	ug/L	1		6020B	Total Recoverable
Boron	46	J	50	13	ug/L	1		6020B	Total Recoverable
Calcium	45000		200	44	ug/L	1		6020B	Total Recoverable
Copper	1.2	J	2.0	0.50	ug/L	1		6020B	Total Recoverable
Iron	120		100	47	ug/L	1		6020B	Total Recoverable
Lithium	9.2	J	10	2.5	ug/L	1		6020B	Total Recoverable
Magnesium	9000		200	49	ug/L	1		6020B	Total Recoverable
Manganese	16		2.5	0.79	ug/L	1		6020B	Total Recoverable
Potassium	680		500	110	ug/L	1		6020B	Total Recoverable
Sodium	7900		200	77	ug/L	1		6020B	Total Recoverable
Strontium	230		4.0	0.64	ug/L	1		6020B	Total Recoverable
Vanadium	4.3	J	5.0	2.2	ug/L	1		6020B	Total Recoverable
Arsenic	0.45	J	1.0	0.23	ug/L	1		6020B	Dissolved
Barium	140		2.5	0.73	ug/L	1		6020B	Dissolved
Boron	25	J	50	13	ug/L	1		6020B	Dissolved
Calcium	34000		200	44	ug/L	1		6020B	Dissolved
Copper	0.98	J	2.0	0.50	ug/L	1		6020B	Dissolved
Lithium	7.7	J	10	2.5	ug/L	1		6020B	Dissolved
Magnesium	7900		200	49	ug/L	1		6020B	Dissolved
Potassium	420	J	500	110	ug/L	1		6020B	Dissolved
Sodium	7300		200	77	ug/L	1		6020B	Dissolved
Strontium	96		4.0	0.64	ug/L	1		6020B	Dissolved
Vanadium	2.5	J	5.0	2.2	ug/L	1		6020B	Dissolved

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-37_20250501 (Continued) — Lab Sample ID: 500-267711-21

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Hardness as calcium carbonate	150		0.91	0.46	mg/L	1		SM 2340B	Total Recoverable
Chloride	20		1.0	0.42	mg/L	1		300.0	Total/NA
Sulfate	1.3		1.0	0.47	mg/L	1		300.0	Total/NA
Phosphorus as P	0.026	J	0.050	0.024	mg/L	1		365.1	Total/NA
Alkalinity	120		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	120		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	160		10	4.3	mg/L	1		SM 2540C	Total/NA
Total Organic Carbon	1.7		1.0	0.47	mg/L	1		SM 5310C	Total/NA
Dissolved Organic Carbon	1.6		1.0	0.47	mg/L	1		SM 5310C	Dissolved

Client Sample ID: MW-37_20250501_FBLL — Lab Sample ID: 500-267711-22

No Detections.

Client Sample ID: MW-41_20250501 — Lab Sample ID: 500-267711-23

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	2.9		0.50	0.20	ng/L	1		1631E	Total/NA
Mercury	0.45	J	0.50	0.20	ng/L	1		1631E	Dissolved
Uranium	12		0.050	0.0098	ug/L	1		1638	Total Recoverable
Uranium	13		0.050	0.0098	ug/L	1		1638	Dissolved
Aluminum	730		100	25	ug/L	1		6020B	Total Recoverable
Arsenic	0.55	J	1.0	0.23	ug/L	1		6020B	Total Recoverable
Barium	90		2.5	0.73	ug/L	1		6020B	Total Recoverable
Boron	1300		50	13	ug/L	1		6020B	Total Recoverable
Calcium	47000		200	44	ug/L	1		6020B	Total Recoverable
Chromium	1.8	J	5.0	1.1	ug/L	1		6020B	Total Recoverable
Cobalt	0.87	J	1.0	0.40	ug/L	1		6020B	Total Recoverable
Copper	3.0		2.0	0.50	ug/L	1		6020B	Total Recoverable
Iron	850		100	47	ug/L	1		6020B	Total Recoverable
Lead	0.24	J	0.50	0.19	ug/L	1		6020B	Total Recoverable
Lithium	4.9	J	10	2.5	ug/L	1		6020B	Total Recoverable
Magnesium	3100		200	49	ug/L	1		6020B	Total Recoverable
Manganese	57		2.5	0.79	ug/L	1		6020B	Total Recoverable
Molybdenum	17		5.0	2.5	ug/L	1		6020B	Total Recoverable
Nickel	1.2	J	2.0	0.63	ug/L	1		6020B	Total Recoverable
Potassium	1300		500	110	ug/L	1		6020B	Total Recoverable
Sodium	66000		200	77	ug/L	1		6020B	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-41_20250501 (Continued) — Lab Sample ID: 500-267711-23

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Strontium	830		4.0	0.64	ug/L	1		6020B	Total Recoverable
Vanadium	3.1	J	5.0	2.2	ug/L	1		6020B	Total Recoverable
Arsenic	0.37	J	1.0	0.23	ug/L	1		6020B	Dissolved
Barium	76		2.5	0.73	ug/L	1		6020B	Dissolved
Boron	1200		50	13	ug/L	1		6020B	Dissolved
Calcium	45000		200	44	ug/L	1		6020B	Dissolved
Copper	1.2	J	2.0	0.50	ug/L	1		6020B	Dissolved
Lithium	4.0	J	10	2.5	ug/L	1		6020B	Dissolved
Magnesium	2800		200	49	ug/L	1		6020B	Dissolved
Manganese	1.7	J	2.5	0.79	ug/L	1		6020B	Dissolved
Molybdenum	16		5.0	2.5	ug/L	1		6020B	Dissolved
Potassium	1100		500	110	ug/L	1		6020B	Dissolved
Sodium	64000		200	77	ug/L	1		6020B	Dissolved
Strontium	800		4.0	0.64	ug/L	1		6020B	Dissolved
Hardness as calcium carbonate	130		0.91	0.46	mg/L	1		SM 2340B	Total Recoverable
Bromide	0.62	J	1.0	0.45	mg/L	1		300.0	Total/NA
Chloride	65		1.0	0.42	mg/L	1		300.0	Total/NA
Sulfate	22		1.0	0.47	mg/L	1		300.0	Total/NA
Phosphorus as P	0.093		0.050	0.024	mg/L	1		365.1	Total/NA
Alkalinity	160		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	160		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	290		10	4.3	mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	7.8		5.0	1.9	mg/L	1		SM 2540D	Total/NA
Total Organic Carbon	1.6		1.0	0.47	mg/L	1		SM 5310C	Total/NA
Dissolved Organic Carbon	1.6		1.0	0.47	mg/L	1		SM 5310C	Dissolved

Client Sample ID: MW-41_20250501_FBLL — Lab Sample ID: 500-267711-24

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	0.23	J	0.50	0.20	ng/L	1		1631E	Total/NA

Client Sample ID: TBN-01_20250501 — Lab Sample ID: 500-267711-25

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	1.1		0.50	0.20	ng/L	1		1631E	Total/NA
Mercury	0.52		0.50	0.20	ng/L	1		1631E	Dissolved
Uranium	0.40		0.050	0.0098	ug/L	1		1638	Total Recoverable
Uranium	0.38		0.050	0.0098	ug/L	1		1638	Dissolved
Aluminum	790		100	25	ug/L	1		6020B	Total Recoverable
Arsenic	0.76	J	1.0	0.23	ug/L	1		6020B	Total Recoverable
Barium	53		2.5	0.73	ug/L	1		6020B	Total Recoverable
Boron	140		50	13	ug/L	1		6020B	Total Recoverable
Calcium	45000		200	44	ug/L	1		6020B	Total Recoverable
Chromium	2.1	J	5.0	1.1	ug/L	1		6020B	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client Sample ID: TBN-01_20250501 (Continued) — Lab Sample ID: 500-267711-25

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cobalt	0.55	J	1.0	0.40	ug/L	1		6020B	Total Recoverable
Copper	82		2.0	0.50	ug/L	1		6020B	Total Recoverable
Iron	1300		100	47	ug/L	1		6020B	Total Recoverable
Lead	0.28	J	0.50	0.19	ug/L	1		6020B	Total Recoverable
Lithium	19		10	2.5	ug/L	1		6020B	Total Recoverable
Magnesium	5900		200	49	ug/L	1		6020B	Total Recoverable
Manganese	28		2.5	0.79	ug/L	1		6020B	Total Recoverable
Molybdenum	26		5.0	2.5	ug/L	1		6020B	Total Recoverable
Nickel	1.3	J	2.0	0.63	ug/L	1		6020B	Total Recoverable
Potassium	3700		500	110	ug/L	1		6020B	Total Recoverable
Sodium	25000		200	77	ug/L	1		6020B	Total Recoverable
Strontium	410		4.0	0.64	ug/L	1		6020B	Total Recoverable
Vanadium	2.8	J	5.0	2.2	ug/L	1		6020B	Total Recoverable
Arsenic	0.65	J	1.0	0.23	ug/L	1		6020B	Dissolved
Barium	46		2.5	0.73	ug/L	1		6020B	Dissolved
Boron	130		50	13	ug/L	1		6020B	Dissolved
Calcium	43000		200	44	ug/L	1		6020B	Dissolved
Copper	30		2.0	0.50	ug/L	1		6020B	Dissolved
Lithium	18		10	2.5	ug/L	1		6020B	Dissolved
Magnesium	5200		200	49	ug/L	1		6020B	Dissolved
Manganese	1.2	J	2.5	0.79	ug/L	1		6020B	Dissolved
Molybdenum	25		5.0	2.5	ug/L	1		6020B	Dissolved
Potassium	3300		500	110	ug/L	1		6020B	Dissolved
Sodium	24000		200	77	ug/L	1		6020B	Dissolved
Strontium	390		4.0	0.64	ug/L	1		6020B	Dissolved
Hardness as calcium carbonate	140		0.91	0.46	mg/L	1		SM 2340B	Total Recoverable
Bromide	0.54	J	1.0	0.45	mg/L	1		300.0	Total/NA
Chloride	60		1.0	0.42	mg/L	1		300.0	Total/NA
Sulfate	14		1.0	0.47	mg/L	1		300.0	Total/NA
Alkalinity	85		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	85		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	240		10	4.3	mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	4.2	J	5.0	1.9	mg/L	1		SM 2540D	Total/NA
Total Organic Carbon	4.2		1.0	0.47	mg/L	1		SM 5310C	Total/NA
Dissolved Organic Carbon	4.2		1.0	0.47	mg/L	1		SM 5310C	Dissolved

Client Sample ID: TBN-01_20250501_FBLL — Lab Sample ID: 500-267711-26

No Detections.

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267711-1

Client Sample ID: TBS-01_20250501 — Lab Sample ID: 500-267711-27

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	1.0		0.50	0.20	ng/L	1		1631E	Total/NA
Mercury	0.70		0.50	0.20	ng/L	1		1631E	Dissolved
Uranium	0.25		0.050	0.0098	ug/L	1		1638	Total Recoverable
Uranium	0.27		0.050	0.0098	ug/L	1		1638	Dissolved
Aluminum	150		100	25	ug/L	1		6020B	Total Recoverable
Arsenic	0.41	J	1.0	0.23	ug/L	1		6020B	Total Recoverable
Barium	53		2.5	0.73	ug/L	1		6020B	Total Recoverable
Boron	230		50	13	ug/L	1		6020B	Total Recoverable
Calcium	64000		200	44	ug/L	1		6020B	Total Recoverable
Copper	43		2.0	0.50	ug/L	1		6020B	Total Recoverable
Iron	250		100	47	ug/L	1		6020B	Total Recoverable
Lithium	23		10	2.5	ug/L	1		6020B	Total Recoverable
Magnesium	5400		200	49	ug/L	1		6020B	Total Recoverable
Manganese	8.3		2.5	0.79	ug/L	1		6020B	Total Recoverable
Molybdenum	5.4		5.0	2.5	ug/L	1		6020B	Total Recoverable
Potassium	3300		500	110	ug/L	1		6020B	Total Recoverable
Sodium	51000		200	77	ug/L	1		6020B	Total Recoverable
Strontium	660		4.0	0.64	ug/L	1		6020B	Total Recoverable
Arsenic	0.42	J	1.0	0.23	ug/L	1		6020B	Dissolved
Barium	53		2.5	0.73	ug/L	1		6020B	Dissolved
Boron	220		50	13	ug/L	1		6020B	Dissolved
Calcium	64000		200	44	ug/L	1		6020B	Dissolved
Copper	35		2.0	0.50	ug/L	1		6020B	Dissolved
Lithium	22		10	2.5	ug/L	1		6020B	Dissolved
Magnesium	5300		200	49	ug/L	1		6020B	Dissolved
Manganese	4.1		2.5	0.79	ug/L	1		6020B	Dissolved
Molybdenum	5.5		5.0	2.5	ug/L	1		6020B	Dissolved
Potassium	3400		500	110	ug/L	1		6020B	Dissolved
Sodium	49000		200	77	ug/L	1		6020B	Dissolved
Strontium	660		4.0	0.64	ug/L	1		6020B	Dissolved
Hardness as calcium carbonate	180		0.91	0.46	mg/L	1		SM 2340B	Total Recoverable
Bromide	1.2		1.0	0.45	mg/L	1		300.0	Total/NA
Chloride	130		1.0	0.42	mg/L	1		300.0	Total/NA
Sulfate	25		1.0	0.47	mg/L	1		300.0	Total/NA
Alkalinity	84		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	84		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	400		10	4.3	mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	4.0	J	5.0	1.9	mg/L	1		SM 2540D	Total/NA
Total Organic Carbon	6.0		1.0	0.47	mg/L	1		SM 5310C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Chicago

Client Sample ID: TBS-01_20250501 (Continued) — Lab Sample ID: 500-267711-27

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dissolved Organic Carbon	5.0		1.0	0.47	mg/L	1		SM 5310C	Dissolved

Client Sample ID: TBS-01_20250501_FBLL — Lab Sample ID: 500-267711-28

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	0.34	J	0.50	0.20	ng/L	1		1631E	Total/NA

Client Sample ID: LKS-02_20250501 — Lab Sample ID: 500-267711-29

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl Mercury	0.038	J	0.050	0.022	ng/L	1		1630	Total/NA
Mercury	2.3		0.50	0.20	ng/L	1		1631E	Total/NA
Mercury	1.4		0.50	0.20	ng/L	1		1631E	Dissolved
Uranium	0.11		0.050	0.0098	ug/L	1		1638	Total Recoverable
Uranium	0.091		0.050	0.0098	ug/L	1		1638	Dissolved
Aluminum	590		100	25	ug/L	1		6020B	Total Recoverable
Arsenic	0.40	J	1.0	0.23	ug/L	1		6020B	Total Recoverable
Barium	18		2.5	0.73	ug/L	1		6020B	Total Recoverable
Boron	26	J	50	13	ug/L	1		6020B	Total Recoverable
Calcium	13000		200	44	ug/L	1		6020B	Total Recoverable
Copper	4.7		2.0	0.50	ug/L	1		6020B	Total Recoverable
Iron	530		100	47	ug/L	1		6020B	Total Recoverable
Lead	0.24	J	0.50	0.19	ug/L	1		6020B	Total Recoverable
Magnesium	2900		200	49	ug/L	1		6020B	Total Recoverable
Manganese	13		2.5	0.79	ug/L	1		6020B	Total Recoverable
Nickel	0.78	J	2.0	0.63	ug/L	1		6020B	Total Recoverable
Potassium	710		500	110	ug/L	1		6020B	Total Recoverable
Sodium	1900		200	77	ug/L	1		6020B	Total Recoverable
Strontium	26		4.0	0.64	ug/L	1		6020B	Total Recoverable
Aluminum	37	J	100	25	ug/L	1		6020B	Dissolved
Arsenic	0.31	J	1.0	0.23	ug/L	1		6020B	Dissolved
Barium	14		2.5	0.73	ug/L	1		6020B	Dissolved
Boron	23	J	50	13	ug/L	1		6020B	Dissolved
Calcium	13000		200	44	ug/L	1		6020B	Dissolved
Copper	3.3		2.0	0.50	ug/L	1		6020B	Dissolved
Magnesium	2700		200	49	ug/L	1		6020B	Dissolved
Manganese	2.0	J	2.5	0.79	ug/L	1		6020B	Dissolved
Potassium	580		500	110	ug/L	1		6020B	Dissolved
Sodium	1900		200	77	ug/L	1		6020B	Dissolved
Strontium	26		4.0	0.64	ug/L	1		6020B	Dissolved

This Detection Summary does not include radiochemical test results.

Client Sample ID: LKS-02_20250501 (Continued) — Lab Sample ID: 500-267711-29

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Hardness as calcium carbonate	45		0.91	0.46	mg/L	1		SM 2340B	Total Recoverable
Nitrate as N	0.46	J	1.0	0.37	mg/L	1		300.0	Total/NA
Chloride	2.3		1.0	0.42	mg/L	1		300.0	Total/NA
Nitrate Nitrite as N	0.46	J	1.0	0.37	mg/L	1		300.0	Total/NA
Sulfate	3.2		1.0	0.47	mg/L	1		300.0	Total/NA
Alkalinity	45		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	45		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	46		10	4.3	mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	9.6		5.0	1.9	mg/L	1		SM 2540D	Total/NA
Sulfide	0.64	J	1.0	0.23	mg/L	1		SM 4500 S2 F	Total/NA
Total Organic Carbon	3.9		1.0	0.47	mg/L	1		SM 5310C	Total/NA
Dissolved Organic Carbon	4.1		1.0	0.47	mg/L	1		SM 5310C	Dissolved

Client Sample ID: LKS-02_20250501_FBLL — Lab Sample ID: 500-267711-30

No Detections.

Client Sample ID: PNC-04_20250501 — Lab Sample ID: 500-267711-31

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl Mercury	0.029	J	0.050	0.022	ng/L	1		1630	Total/NA
Methyl Mercury	0.039	J	0.050	0.022	ng/L	1		1630	Dissolved
Mercury	3.4		0.50	0.20	ng/L	1		1631E	Total/NA
Mercury	2.9		0.50	0.20	ng/L	1		1631E	Dissolved
Uranium	0.18		0.050	0.0098	ug/L	1		1638	Total Recoverable
Uranium	0.16		0.050	0.0098	ug/L	1		1638	Dissolved
Aluminum	330		100	25	ug/L	1		6020B	Total Recoverable
Arsenic	0.33	J	1.0	0.23	ug/L	1		6020B	Total Recoverable
Barium	29		2.5	0.73	ug/L	1		6020B	Total Recoverable
Boron	22	J	50	13	ug/L	1		6020B	Total Recoverable
Calcium	16000		200	44	ug/L	1		6020B	Total Recoverable
Copper	16		2.0	0.50	ug/L	1		6020B	Total Recoverable
Iron	520		100	47	ug/L	1		6020B	Total Recoverable
Magnesium	3600		200	49	ug/L	1		6020B	Total Recoverable
Manganese	24		2.5	0.79	ug/L	1		6020B	Total Recoverable
Potassium	940		500	110	ug/L	1		6020B	Total Recoverable
Sodium	2100		200	77	ug/L	1		6020B	Total Recoverable
Strontium	67		4.0	0.64	ug/L	1		6020B	Total Recoverable
Aluminum	43	J	100	25	ug/L	1		6020B	Dissolved
Arsenic	0.32	J	1.0	0.23	ug/L	1		6020B	Dissolved
Barium	25		2.5	0.73	ug/L	1		6020B	Dissolved
Boron	19	J	50	13	ug/L	1		6020B	Dissolved

This Detection Summary does not include radiochemical test results.

Client Sample ID: PNC-04_20250501 (Continued)

Lab Sample ID: 500-267711-31

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	15000		200	44	ug/L	1		6020B	Dissolved
Copper	14		2.0	0.50	ug/L	1		6020B	Dissolved
Iron	180		100	47	ug/L	1		6020B	Dissolved
Magnesium	3400		200	49	ug/L	1		6020B	Dissolved
Manganese	14		2.5	0.79	ug/L	1		6020B	Dissolved
Potassium	860		500	110	ug/L	1		6020B	Dissolved
Sodium	2100		200	77	ug/L	1		6020B	Dissolved
Strontium	67		4.0	0.64	ug/L	1		6020B	Dissolved
Hardness as calcium carbonate	54		0.91	0.46	mg/L	1		SM 2340B	Total Recoverable
Chloride	5.4		1.0	0.42	mg/L	1		300.0	Total/NA
Sulfate	0.92	J	1.0	0.47	mg/L	1		300.0	Total/NA
Alkalinity	50		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	50		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	78		10	4.3	mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	2.6	J	5.0	1.9	mg/L	1		SM 2540D	Total/NA
Sulfide	1.1		1.0	0.23	mg/L	1		SM 4500 S2 F	Total/NA
Total Organic Carbon	9.3		1.0	0.47	mg/L	1		SM 5310C	Total/NA
Dissolved Organic Carbon	8.0		1.0	0.47	mg/L	1		SM 5310C	Dissolved

Client Sample ID: PNC-04_20250501_FBLL

Lab Sample ID: 500-267711-32

No Detections.

This Detection Summary does not include radiochemical test results.

Method Summary

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267711-1

Method	Method Description	Protocol	Laboratory
1630	Methyl Mercury	EPA	EET SSM
1631E	Mercury, Low Level (CVAFS)	EPA	EET SSM
1638	Metals (ICP/MS)	EPA	EET SSM
6020B	Metals (ICP/MS)	SW846	EET CHI
SM 2340B	Total Hardness (as CaCO3) by calculation	SM	EET CHI
300.0	Anions, Ion Chromatography	EPA	EET CHI
335.4	Cyanide, Total	EPA	EET CHI
350.1	Nitrogen, Ammonia	EPA	EET CHI
365.1	Phosphorus, Total	EPA	EET CHI
SM 2320B	Alkalinity	SM	EET CHI
SM 2520B	Salinity	SM	EET CHI
SM 2540C	Solids, Total Dissolved (TDS)	SM	EET CHI
SM 2540D	Solids, Total Suspended (TSS)	SM	EET CHI
SM 4500 S2 F	Sulfide, Total	SM	EET CHI
SM 5310C	Organic Carbon, Dissolved (DOC)	SM	EET CHI
SM 5310C	TOC	SM	EET CHI
1630	Distillation, Methyl Mercury	EPA	EET SSM
1638	Preparation, Total Recoverable Metals	EPA	EET SSM
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET CHI
365.2/365.3/365	Phosphorus, Total	EPA	EET CHI
Distill/Ammonia	Distillation, Ammonia	None	EET CHI
Distill/CN	Distillation, Cyanide	None	EET CHI

Protocol References:

EPA = US Environmental Protection Agency

None = None

SM = "Standard Methods For The Examination Of Water And Wastewater"

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET CHI = Eurofins Chicago, 18410 Crossing Drive, Suite E, Tinley Park, IL 60487, TEL (708)534-5200

EET SSM = Eurofins Seattle Specialty Metals, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

Sample Summary

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267711-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-267711-1	MW-35_20250430	Water	04/30/25 17:00	05/02/25 09:20
500-267711-2	MW-35_20250430_FBLL	Water	04/30/25 17:00	05/02/25 09:20
500-267711-3	MW-36_20250430	Water	04/30/25 16:00	05/02/25 09:20
500-267711-4	MW-36_20250430_FBLL	Water	04/30/25 16:00	05/02/25 09:20
500-267711-5	LKS-01_20250430	Water	04/30/25 10:30	05/02/25 09:20
500-267711-6	LKS-01_20250430_FBLL	Water	04/30/25 10:30	05/02/25 09:20
500-267711-7	SMW-1SB_20250430	Water	04/30/25 10:45	05/02/25 09:20
500-267711-8	SMW-1SB_20250430_FBLL	Water	04/30/25 10:45	05/02/25 09:20
500-267711-9	NB2-1_20250430	Water	04/30/25 13:00	05/02/25 09:20
500-267711-10	NB2-1_20250430_FBLL	Water	04/30/25 13:00	05/02/25 09:20
500-267711-11	NB2-3_20250430	Water	04/30/25 14:00	05/02/25 09:20
500-267711-12	NB2-3_20250430_FBLL	Water	04/30/25 14:00	05/02/25 09:20
500-267711-13	NTC-01_20250430	Water	04/30/25 11:30	05/02/25 09:20
500-267711-14	NTC-01_20250430_FBLL	Water	04/30/25 11:30	05/02/25 09:20
500-267711-15	DUP-01-SW_20250430	Water	04/30/25 23:59	05/02/25 09:20
500-267711-16	DUP-01-SW_20250430_FBLL	Water	04/30/25 23:59	05/02/25 09:20
500-267711-17	PRC-02_20250430	Water	04/30/25 14:00	05/02/25 09:20
500-267711-18	PRC-02_20250430_FBLL	Water	04/30/25 14:00	05/02/25 09:20
500-267711-19	MLR-03_20250430	Water	04/30/25 15:00	05/02/25 09:20
500-267711-20	MLR-03_20250430_FBLL	Water	04/30/25 15:00	05/02/25 09:20
500-267711-21	MW-37_20250501	Water	05/01/25 10:30	05/02/25 09:20
500-267711-22	MW-37_20250501_FBLL	Water	05/01/25 10:30	05/02/25 09:20
500-267711-23	MW-41_20250501	Water	05/01/25 08:45	05/02/25 09:20
500-267711-24	MW-41_20250501_FBLL	Water	05/01/25 08:45	05/02/25 09:20
500-267711-25	TBN-01_20250501	Water	05/01/25 11:45	05/02/25 09:20
500-267711-26	TBN-01_20250501_FBLL	Water	05/01/25 11:45	05/02/25 09:20
500-267711-27	TBS-01_20250501	Water	05/01/25 11:15	05/02/25 09:20
500-267711-28	TBS-01_20250501_FBLL	Water	05/01/25 11:15	05/02/25 09:20
500-267711-29	LKS-02_20250501	Water	05/01/25 08:00	05/02/25 09:20
500-267711-30	LKS-02_20250501_FBLL	Water	05/01/25 08:00	05/02/25 09:20
500-267711-31	PNC-04_20250501	Water	05/01/25 10:30	05/02/25 09:20
500-267711-32	PNC-04_20250501_FBLL	Water	05/01/25 10:30	05/02/25 09:20

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267711-1

Client Sample ID: MW-35_20250430

Date Collected: 04/30/25 17:00
Date Received: 05/02/25 09:20

Lab Sample ID: 500-267711-1

Matrix: Water

Method: EPA 1630 - Methyl Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		06/11/25 08:48	06/12/25 16:29	1

Method: EPA 1630 - Methyl Mercury - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		06/11/25 08:48	06/12/25 16:39	1

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**3.1**		0.50	0.20	ng/L			05/20/25 15:56	1

Method: EPA 1631E - Mercury, Low Level (CVAFS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**1.1**		0.50	0.20	ng/L			05/20/25 16:00	1

Method: EPA 1638 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**1.8**		0.050	0.0098	ug/L		05/21/25 13:55	05/22/25 18:20	1

Method: EPA 1638 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**1.7**		0.050	0.0098	ug/L		05/21/25 13:55	05/22/25 16:32	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**27**	**J**	100	25	ug/L		05/09/25 15:42	05/12/25 17:46	1
Antimony	<1.3		3.0	1.3	ug/L		05/09/25 15:42	05/12/25 17:46	1
Arsenic	**1.7**		1.0	0.23	ug/L		05/09/25 15:42	05/12/25 17:46	1
Barium	**590**		2.5	0.73	ug/L		05/09/25 15:42	05/13/25 16:47	1
Beryllium	<0.53		1.0	0.53	ug/L		05/09/25 15:42	05/12/25 17:46	1
Boron	**77**	**B**	50	13	ug/L		05/09/25 15:42	05/12/25 17:46	1
Cadmium	**0.20**	**J**	0.50	0.17	ug/L		05/09/25 15:42	05/12/25 17:46	1
Calcium	**75000**		200	44	ug/L		05/09/25 15:42	05/13/25 16:47	1
Chromium	<1.1		5.0	1.1	ug/L		05/09/25 15:42	05/12/25 17:46	1
Cobalt	<0.40		1.0	0.40	ug/L		05/09/25 15:42	05/12/25 17:46	1
Copper	**12**		2.0	0.50	ug/L		05/09/25 15:42	05/13/25 16:47	1
Iron	<47		100	47	ug/L		05/09/25 15:42	05/12/25 17:46	1
Lead	<0.19		0.50	0.19	ug/L		05/09/25 15:42	05/12/25 17:46	1
Lithium	**8.4**	**J**	10	2.5	ug/L		05/09/25 15:42	05/13/25 16:47	1
Magnesium	**11000**		200	49	ug/L		05/09/25 15:42	05/12/25 17:46	1
Manganese	**2900**		2.5	0.79	ug/L		05/09/25 15:42	05/12/25 17:46	1
Molybdenum	<2.5		5.0	2.5	ug/L		05/09/25 15:42	05/12/25 17:46	1
Nickel	**0.82**	**J**	2.0	0.63	ug/L		05/09/25 15:42	05/12/25 17:46	1
Potassium	**950**		500	110	ug/L		05/09/25 15:42	05/12/25 17:46	1
Selenium	<0.98		2.5	0.98	ug/L		05/09/25 15:42	05/12/25 17:46	1
Silver	<0.12		0.50	0.12	ug/L		05/09/25 15:42	05/12/25 17:46	1
Sodium	**7500**		200	77	ug/L		05/09/25 15:42	05/12/25 17:46	1
Strontium	**150**	**^5+**	4.0	0.64	ug/L		05/09/25 15:42	05/12/25 17:46	1
Thallium	<0.57		2.0	0.57	ug/L		05/09/25 15:42	05/12/25 17:46	1
Tin	<1.3		5.0	1.3	ug/L		05/09/25 15:42	05/12/25 17:46	1
Vanadium	**7.5**		5.0	2.2	ug/L		05/09/25 15:42	05/12/25 17:46	1
Zinc	<6.9		20	6.9	ug/L		05/09/25 15:42	05/12/25 17:46	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267711-1

Client Sample ID: MW-35_20250430

Date Collected: 04/30/25 17:00
Date Received: 05/02/25 09:20

Lab Sample ID: 500-267711-1

Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<25		100	25	ug/L		05/09/25 15:42	05/12/25 17:48	1
Antimony	<1.3		3.0	1.3	ug/L		05/09/25 15:42	05/12/25 17:48	1
Arsenic	**1.4**		1.0	0.23	ug/L		05/09/25 15:42	05/12/25 17:48	1
Barium	**380**	**^5+**	2.5	0.73	ug/L		05/09/25 15:42	05/12/25 17:48	1
Beryllium	<0.53		1.0	0.53	ug/L		05/09/25 15:42	05/12/25 17:48	1
Boron	**81**	**B**	50	13	ug/L		05/09/25 15:42	05/12/25 17:48	1
Cadmium	<0.17		0.50	0.17	ug/L		05/09/25 15:42	05/12/25 17:48	1
Calcium	**73000**		200	44	ug/L		05/09/25 15:42	05/13/25 16:50	1
Chromium	<1.1		5.0	1.1	ug/L		05/09/25 15:42	05/12/25 17:48	1
Cobalt	<0.40		1.0	0.40	ug/L		05/09/25 15:42	05/12/25 17:48	1
Copper	**1.2**	**J**	2.0	0.50	ug/L		05/09/25 15:42	05/13/25 16:50	1
Iron	<47		100	47	ug/L		05/09/25 15:42	05/12/25 17:48	1
Lead	<0.19		0.50	0.19	ug/L		05/09/25 15:42	05/12/25 17:48	1
Lithium	**8.2**	**J**	10	2.5	ug/L		05/09/25 15:42	05/13/25 16:50	1
Magnesium	**11000**		200	49	ug/L		05/09/25 15:42	05/12/25 17:48	1
Manganese	<0.79		2.5	0.79	ug/L		05/09/25 15:42	05/12/25 17:48	1
Molybdenum	<2.5		5.0	2.5	ug/L		05/09/25 15:42	05/12/25 17:48	1
Nickel	<0.63		2.0	0.63	ug/L		05/09/25 15:42	05/12/25 17:48	1
Potassium	**950**		500	110	ug/L		05/09/25 15:42	05/12/25 17:48	1
Selenium	<0.98		2.5	0.98	ug/L		05/09/25 15:42	05/12/25 17:48	1
Silver	<0.12		0.50	0.12	ug/L		05/09/25 15:42	05/12/25 17:48	1
Sodium	**7400**		200	77	ug/L		05/09/25 15:42	05/12/25 17:48	1
Strontium	**150**	**^5+**	4.0	0.64	ug/L		05/09/25 15:42	05/12/25 17:48	1
Thallium	<0.57		2.0	0.57	ug/L		05/09/25 15:42	05/12/25 17:48	1
Tin	<1.3		5.0	1.3	ug/L		05/09/25 15:42	05/12/25 17:48	1
Vanadium	**2.2**	**J**	5.0	2.2	ug/L		05/09/25 15:42	05/12/25 17:48	1
Zinc	<6.9		20	6.9	ug/L		05/09/25 15:42	05/12/25 17:48	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**230**		0.91	0.46	mg/L		05/09/25 15:42	05/13/25 11:09	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	<0.45		1.0	0.45	mg/L			05/02/25 15:05	1
Nitrate as N (EPA 300.0)	<0.37		1.0	0.37	mg/L			05/02/25 15:05	1
Chloride (EPA 300.0)	**0.80**	**J**	1.0	0.42	mg/L			05/02/25 15:05	1
Nitrite as N (EPA 300.0)	<0.25		1.0	0.25	mg/L			05/02/25 15:05	1
Fluoride (EPA 300.0)	<0.43		1.0	0.43	mg/L			05/02/25 15:05	1
Nitrate Nitrite as N (EPA 300.0)	<0.37		1.0	0.37	mg/L			05/02/25 15:05	1
Sulfate (EPA 300.0)	**7.6**		1.0	0.47	mg/L			05/02/25 15:05	1
Cyanide, Total (EPA 335.4)	<0.0036		0.0050	0.0036	mg/L		05/08/25 14:23	05/08/25 17:56	1
Ammonia (EPA 350.1)	<0.10		0.20	0.10	mg/L		05/21/25 13:24	05/21/25 16:30	1
Phosphorus as P (EPA 365.1)	<0.024		0.050	0.024	mg/L		05/08/25 09:51	05/09/25 12:25	1
Alkalinity (SM 2320B)	**220**		5.0	3.7	mg/L			05/07/25 06:59	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**220**		5.0	3.7	mg/L			05/07/25 06:59	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<3.7		5.0	3.7	mg/L			05/07/25 06:59	1
Salinity (SM 2520B)	<0.33		0.33	0.33	psu			05/05/25 14:57	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267711-1

Client Sample ID: MW-35_20250430
Date Collected: 04/30/25 17:00
Date Received: 05/02/25 09:20

Lab Sample ID: 500-267711-1
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	200		10	4.3	mg/L			05/07/25 01:12	1
Total Suspended Solids (SM 2540D)	4.4	J	5.0	1.9	mg/L			05/05/25 16:25	1
Sulfide (SM 4500 S2 F)	0.51	J	1.0	0.23	mg/L			05/06/25 05:34	1
Total Organic Carbon (SM 5310C)	1.7		1.0	0.47	mg/L			05/15/25 13:25	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon (SM 5310C)	1.8		1.0	0.47	mg/L			05/16/25 02:20	1

Client Sample Results

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267711-1

Client Sample ID: MW-35_20250430_FBLL

Date Collected: 04/30/25 17:00
Date Received: 05/02/25 09:20

Lab Sample ID: 500-267711-2

Matrix: Water

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			05/20/25 16:04	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267711-1

Client Sample ID: MW-36_20250430

Date Collected: 04/30/25 16:00
Date Received: 05/02/25 09:20

Lab Sample ID: 500-267711-3

Matrix: Water

Method: EPA 1630 - Methyl Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		06/11/25 08:48	06/12/25 16:50	1

Method: EPA 1630 - Methyl Mercury - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		06/11/25 08:48	06/12/25 17:00	1

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.64**		0.50	0.20	ng/L			05/20/25 16:08	1

Method: EPA 1631E - Mercury, Low Level (CVAFS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.27**	**J**	0.50	0.20	ng/L			05/20/25 16:12	1

Method: EPA 1638 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.11**		0.050	0.0098	ug/L		05/21/25 13:55	05/22/25 18:24	1

Method: EPA 1638 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.11**		0.050	0.0098	ug/L		05/21/25 13:55	05/22/25 16:35	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**31**	**J**	100	25	ug/L		05/09/25 15:42	05/12/25 17:50	1
Antimony	<1.3		3.0	1.3	ug/L		05/09/25 15:42	05/12/25 17:50	1
Arsenic	**1.2**		1.0	0.23	ug/L		05/09/25 15:42	05/12/25 17:50	1
Barium	**390**	**^5+**	2.5	0.73	ug/L		05/09/25 15:42	05/12/25 17:50	1
Beryllium	<0.53		1.0	0.53	ug/L		05/09/25 15:42	05/12/25 17:50	1
Boron	**86**	**B**	50	13	ug/L		05/09/25 15:42	05/12/25 17:50	1
Cadmium	<0.17		0.50	0.17	ug/L		05/09/25 15:42	05/12/25 17:50	1
Calcium	**110000**		200	44	ug/L		05/09/25 15:42	05/13/25 16:52	1
Chromium	<1.1		5.0	1.1	ug/L		05/09/25 15:42	05/12/25 17:50	1
Cobalt	<0.40		1.0	0.40	ug/L		05/09/25 15:42	05/12/25 17:50	1
Copper	**0.81**	**J**	2.0	0.50	ug/L		05/09/25 15:42	05/13/25 16:52	1
Iron	**2700**		100	47	ug/L		05/09/25 15:42	05/12/25 17:50	1
Lead	<0.19		0.50	0.19	ug/L		05/09/25 15:42	05/12/25 17:50	1
Lithium	**17**		10	2.5	ug/L		05/09/25 15:42	05/13/25 16:52	1
Magnesium	**16000**		200	49	ug/L		05/09/25 15:42	05/12/25 17:50	1
Manganese	**1800**		2.5	0.79	ug/L		05/09/25 15:42	05/12/25 17:50	1
Molybdenum	<2.5		5.0	2.5	ug/L		05/09/25 15:42	05/12/25 17:50	1
Nickel	<0.63		2.0	0.63	ug/L		05/09/25 15:42	05/12/25 17:50	1
Potassium	**320**	**J**	500	110	ug/L		05/09/25 15:42	05/12/25 17:50	1
Selenium	<0.98		2.5	0.98	ug/L		05/09/25 15:42	05/12/25 17:50	1
Silver	<0.12		0.50	0.12	ug/L		05/09/25 15:42	05/12/25 17:50	1
Sodium	**29000**		200	77	ug/L		05/09/25 15:42	05/12/25 17:50	1
Strontium	**1200**	**^5+**	4.0	0.64	ug/L		05/09/25 15:42	05/12/25 17:50	1
Thallium	<0.57		2.0	0.57	ug/L		05/09/25 15:42	05/12/25 17:50	1
Tin	<1.3		5.0	1.3	ug/L		05/09/25 15:42	05/12/25 17:50	1
Vanadium	**3.1**	**J**	5.0	2.2	ug/L		05/09/25 15:42	05/12/25 17:50	1
Zinc	<6.9		20	6.9	ug/L		05/09/25 15:42	05/12/25 17:50	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267711-1

Client Sample ID: MW-36_20250430

Date Collected: 04/30/25 16:00
Date Received: 05/02/25 09:20

Lab Sample ID: 500-267711-3

Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<25		100	25	ug/L		05/09/25 15:42	05/12/25 17:53	1
Antimony	<1.3		3.0	1.3	ug/L		05/09/25 15:42	05/12/25 17:53	1
Arsenic	**0.99**	**J**	1.0	0.23	ug/L		05/09/25 15:42	05/12/25 17:53	1
Barium	**390**	**^5+**	2.5	0.73	ug/L		05/09/25 15:42	05/12/25 17:53	1
Beryllium	<0.53		1.0	0.53	ug/L		05/09/25 15:42	05/12/25 17:53	1
Boron	**83**	**B**	50	13	ug/L		05/09/25 15:42	05/12/25 17:53	1
Cadmium	<0.17		0.50	0.17	ug/L		05/09/25 15:42	05/12/25 17:53	1
Calcium	**110000**		200	44	ug/L		05/09/25 15:42	05/13/25 16:54	1
Chromium	<1.1		5.0	1.1	ug/L		05/09/25 15:42	05/12/25 17:53	1
Cobalt	<0.40		1.0	0.40	ug/L		05/09/25 15:42	05/12/25 17:53	1
Copper	<0.50		2.0	0.50	ug/L		05/09/25 15:42	05/13/25 16:54	1
Iron	**2200**		100	47	ug/L		05/09/25 15:42	05/12/25 17:53	1
Lead	<0.19		0.50	0.19	ug/L		05/09/25 15:42	05/12/25 17:53	1
Lithium	**16**		10	2.5	ug/L		05/09/25 15:42	05/13/25 16:54	1
Magnesium	**16000**		200	49	ug/L		05/09/25 15:42	05/12/25 17:53	1
Manganese	**1900**		2.5	0.79	ug/L		05/09/25 15:42	05/12/25 17:53	1
Molybdenum	<2.5		5.0	2.5	ug/L		05/09/25 15:42	05/12/25 17:53	1
Nickel	<0.63		2.0	0.63	ug/L		05/09/25 15:42	05/12/25 17:53	1
Potassium	**320**	**J**	500	110	ug/L		05/09/25 15:42	05/12/25 17:53	1
Selenium	<0.98		2.5	0.98	ug/L		05/09/25 15:42	05/12/25 17:53	1
Silver	<0.12		0.50	0.12	ug/L		05/09/25 15:42	05/12/25 17:53	1
Sodium	**28000**		200	77	ug/L		05/09/25 15:42	05/12/25 17:53	1
Strontium	**1200**	**^5+**	4.0	0.64	ug/L		05/09/25 15:42	05/12/25 17:53	1
Thallium	<0.57		2.0	0.57	ug/L		05/09/25 15:42	05/12/25 17:53	1
Tin	<1.3		5.0	1.3	ug/L		05/09/25 15:42	05/12/25 17:53	1
Vanadium	**2.3**	**J**	5.0	2.2	ug/L		05/09/25 15:42	05/12/25 17:53	1
Zinc	<6.9		20	6.9	ug/L		05/09/25 15:42	05/12/25 17:53	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**340**		0.91	0.46	mg/L		05/09/25 15:42	05/13/25 11:09	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	**0.58**	**J**	1.0	0.45	mg/L			05/02/25 13:18	1
Nitrate as N (EPA 300.0)	<0.37		1.0	0.37	mg/L			05/02/25 13:18	1
Chloride (EPA 300.0)	**46**		1.0	0.42	mg/L			05/02/25 13:18	1
Nitrite as N (EPA 300.0)	<0.25		1.0	0.25	mg/L			05/02/25 13:18	1
Fluoride (EPA 300.0)	<0.43		1.0	0.43	mg/L			05/02/25 13:18	1
Nitrate Nitrite as N (EPA 300.0)	<0.37		1.0	0.37	mg/L			05/02/25 13:18	1
Sulfate (EPA 300.0)	**0.55**	**J**	1.0	0.47	mg/L			05/02/25 13:18	1
Cyanide, Total (EPA 335.4)	<0.0036		0.0050	0.0036	mg/L		05/08/25 14:23	05/08/25 17:56	1
Ammonia (EPA 350.1)	<0.10		0.20	0.10	mg/L		05/21/25 13:24	05/21/25 16:30	1
Phosphorus as P (EPA 365.1)	<0.024		0.050	0.024	mg/L		05/08/25 09:51	05/09/25 12:28	1
Alkalinity (SM 2320B)	**300**		5.0	3.7	mg/L			05/07/25 07:08	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**300**		5.0	3.7	mg/L			05/07/25 07:08	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<3.7		5.0	3.7	mg/L			05/07/25 07:08	1
Salinity (SM 2520B)	<0.33		0.33	0.33	psu			05/05/25 14:57	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267711-1

Client Sample ID: MW-36_20250430
Date Collected: 04/30/25 16:00
Date Received: 05/02/25 09:20

Lab Sample ID: 500-267711-3
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	350		10	4.3	mg/L			05/07/25 01:15	1
Total Suspended Solids (SM 2540D)	4.8	J	5.0	1.9	mg/L			05/05/25 16:27	1
Sulfide (SM 4500 S2 F)	<0.23		1.0	0.23	mg/L			05/06/25 05:38	1
Total Organic Carbon (SM 5310C)	8.4	F1	1.0	0.47	mg/L			05/15/25 13:57	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon (SM 5310C)	8.3		1.0	0.47	mg/L			05/16/25 02:52	1

Client Sample Results

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267711-1

Client Sample ID: MW-36_20250430_FBLL
Date Collected: 04/30/25 16:00
Date Received: 05/02/25 09:20

Lab Sample ID: 500-267711-4
Matrix: Water

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			05/20/25 16:16	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267711-1

Client Sample ID: LKS-01_20250430

Date Collected: 04/30/25 10:30
Date Received: 05/02/25 09:20

Lab Sample ID: 500-267711-5

Matrix: Water

Method: EPA 1630 - Methyl Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		06/11/25 08:48	06/12/25 17:30	1

Method: EPA 1630 - Methyl Mercury - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		06/11/25 08:48	06/12/25 17:41	1

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**2.5**		0.50	0.20	ng/L			05/20/25 16:21	1

Method: EPA 1631E - Mercury, Low Level (CVAFS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**1.7**		0.50	0.20	ng/L			05/20/25 16:25	1

Method: EPA 1638 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.088**		0.050	0.0098	ug/L		05/21/25 13:55	05/22/25 18:27	1

Method: EPA 1638 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.071**		0.050	0.0098	ug/L		05/21/25 13:55	05/22/25 16:39	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**640**		100	25	ug/L		05/09/25 15:42	05/12/25 18:00	1
Antimony	<1.3		3.0	1.3	ug/L		05/09/25 15:42	05/12/25 18:00	1
Arsenic	**0.49**	**J**	1.0	0.23	ug/L		05/09/25 15:42	05/12/25 18:00	1
Barium	**20**	**^5+**	2.5	0.73	ug/L		05/09/25 15:42	05/12/25 18:00	1
Beryllium	<0.53		1.0	0.53	ug/L		05/09/25 15:42	05/12/25 18:00	1
Boron	**20**	**J**	50	13	ug/L		05/09/25 15:42	05/13/25 16:57	1
Cadmium	<0.17		0.50	0.17	ug/L		05/09/25 15:42	05/12/25 18:00	1
Calcium	**13000**		200	44	ug/L		05/09/25 15:42	05/13/25 16:57	1
Chromium	**1.1**	**J**	5.0	1.1	ug/L		05/09/25 15:42	05/12/25 18:00	1
Cobalt	<0.40		1.0	0.40	ug/L		05/09/25 15:42	05/12/25 18:00	1
Copper	**6.7**		2.0	0.50	ug/L		05/09/25 15:42	05/13/25 16:57	1
Iron	**530**		100	47	ug/L		05/09/25 15:42	05/12/25 18:00	1
Lead	**0.25**	**J**	0.50	0.19	ug/L		05/09/25 15:42	05/12/25 18:00	1
Lithium	<2.5		10	2.5	ug/L		05/09/25 15:42	05/13/25 16:57	1
Magnesium	**3000**		200	49	ug/L		05/09/25 15:42	05/12/25 18:00	1
Manganese	**15**		2.5	0.79	ug/L		05/09/25 15:42	05/12/25 18:00	1
Molybdenum	<2.5		5.0	2.5	ug/L		05/09/25 15:42	05/12/25 18:00	1
Nickel	<0.63		2.0	0.63	ug/L		05/09/25 15:42	05/12/25 18:00	1
Potassium	**720**		500	110	ug/L		05/09/25 15:42	05/12/25 18:00	1
Selenium	<0.98		2.5	0.98	ug/L		05/09/25 15:42	05/12/25 18:00	1
Silver	<0.12		0.50	0.12	ug/L		05/09/25 15:42	05/12/25 18:00	1
Sodium	**2700**		200	77	ug/L		05/09/25 15:42	05/12/25 18:00	1
Strontium	**31**	**^5+**	4.0	0.64	ug/L		05/09/25 15:42	05/12/25 18:00	1
Thallium	<0.57		2.0	0.57	ug/L		05/09/25 15:42	05/12/25 18:00	1
Tin	<1.3		5.0	1.3	ug/L		05/09/25 15:42	05/12/25 18:00	1
Vanadium	<2.2		5.0	2.2	ug/L		05/09/25 15:42	05/12/25 18:00	1
Zinc	<6.9		20	6.9	ug/L		05/09/25 15:42	05/12/25 18:00	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267711-1

Client Sample ID: LKS-01_20250430

Date Collected: 04/30/25 10:30
Date Received: 05/02/25 09:20

Lab Sample ID: 500-267711-5

Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**50**	**J**	100	25	ug/L		05/09/25 15:42	05/12/25 18:03	1
Antimony	<1.3		3.0	1.3	ug/L		05/09/25 15:42	05/12/25 18:03	1
Arsenic	**0.32**	**J**	1.0	0.23	ug/L		05/09/25 15:42	05/12/25 18:03	1
Barium	**15**	**^5+**	2.5	0.73	ug/L		05/09/25 15:42	05/12/25 18:03	1
Beryllium	<0.53		1.0	0.53	ug/L		05/09/25 15:42	05/12/25 18:03	1
Boron	**18**	**J**	50	13	ug/L		05/09/25 15:42	05/13/25 16:59	1
Cadmium	<0.17		0.50	0.17	ug/L		05/09/25 15:42	05/12/25 18:03	1
Calcium	**12000**		200	44	ug/L		05/09/25 15:42	05/13/25 16:59	1
Chromium	<1.1		5.0	1.1	ug/L		05/09/25 15:42	05/12/25 18:03	1
Cobalt	<0.40		1.0	0.40	ug/L		05/09/25 15:42	05/12/25 18:03	1
Copper	**4.1**		2.0	0.50	ug/L		05/09/25 15:42	05/13/25 16:59	1
Iron	**49**	**J**	100	47	ug/L		05/09/25 15:42	05/12/25 18:03	1
Lead	<0.19		0.50	0.19	ug/L		05/09/25 15:42	05/12/25 18:03	1
Lithium	<2.5		10	2.5	ug/L		05/09/25 15:42	05/13/25 16:59	1
Magnesium	**2600**		200	49	ug/L		05/09/25 15:42	05/12/25 18:03	1
Manganese	**2.7**		2.5	0.79	ug/L		05/09/25 15:42	05/12/25 18:03	1
Molybdenum	<2.5		5.0	2.5	ug/L		05/09/25 15:42	05/12/25 18:03	1
Nickel	<0.63		2.0	0.63	ug/L		05/09/25 15:42	05/12/25 18:03	1
Potassium	**530**		500	110	ug/L		05/09/25 15:42	05/12/25 18:03	1
Selenium	<0.98		2.5	0.98	ug/L		05/09/25 15:42	05/12/25 18:03	1
Silver	<0.12		0.50	0.12	ug/L		05/09/25 15:42	05/12/25 18:03	1
Sodium	**2500**		200	77	ug/L		05/09/25 15:42	05/12/25 18:03	1
Strontium	**29**	**^5+**	4.0	0.64	ug/L		05/09/25 15:42	05/12/25 18:03	1
Thallium	<0.57		2.0	0.57	ug/L		05/09/25 15:42	05/12/25 18:03	1
Tin	<1.3		5.0	1.3	ug/L		05/09/25 15:42	05/12/25 18:03	1
Vanadium	<2.2		5.0	2.2	ug/L		05/09/25 15:42	05/12/25 18:03	1
Zinc	<6.9		20	6.9	ug/L		05/09/25 15:42	05/12/25 18:03	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**45**		0.91	0.46	mg/L		05/09/25 15:42	05/13/25 11:09	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	<0.45		1.0	0.45	mg/L			05/02/25 17:22	1
Nitrate as N (EPA 300.0)	**0.44**	**J H**	1.0	0.37	mg/L			05/02/25 17:22	1
Chloride (EPA 300.0)	**3.5**		1.0	0.42	mg/L			05/02/25 17:22	1
Nitrite as N (EPA 300.0)	<0.25	H	1.0	0.25	mg/L			05/02/25 17:22	1
Fluoride (EPA 300.0)	<0.43		1.0	0.43	mg/L			05/02/25 17:22	1
Nitrate Nitrite as N (EPA 300.0)	**0.44**	**J H**	1.0	0.37	mg/L			05/02/25 17:22	1
Sulfate (EPA 300.0)	**3.1**		1.0	0.47	mg/L			05/02/25 17:22	1
Cyanide, Total (EPA 335.4)	<0.0036		0.0050	0.0036	mg/L		05/08/25 14:23	05/08/25 17:58	1
Ammonia (EPA 350.1)	<0.10		0.20	0.10	mg/L		05/21/25 13:24	05/21/25 16:31	1
Phosphorus as P (EPA 365.1)	<0.024		0.050	0.024	mg/L		05/08/25 09:51	05/09/25 12:29	1
Alkalinity (SM 2320B)	**46**		5.0	3.7	mg/L			05/07/25 07:19	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**46**		5.0	3.7	mg/L			05/07/25 07:19	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<3.7		5.0	3.7	mg/L			05/07/25 07:19	1
Salinity (SM 2520B)	<0.33		0.33	0.33	psu			05/05/25 14:57	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267711-1

Client Sample ID: LKS-01_20250430
Date Collected: 04/30/25 10:30
Date Received: 05/02/25 09:20

Lab Sample ID: 500-267711-5
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	44		10	4.3	mg/L			05/07/25 01:17	1
Total Suspended Solids (SM 2540D)	12		5.0	1.9	mg/L			05/05/25 16:29	1
Sulfide (SM 4500 S2 F)	0.89	J	1.0	0.23	mg/L			05/06/25 05:42	1
Total Organic Carbon (SM 5310C)	4.1		1.0	0.47	mg/L			05/15/25 15:35	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon (SM 5310C)	4.3		1.0	0.47	mg/L			05/16/25 04:29	1

Client Sample Results

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267711-1

Client Sample ID: LKS-01_20250430_FBLL
Date Collected: 04/30/25 10:30
Date Received: 05/02/25 09:20

Lab Sample ID: 500-267711-6
Matrix: Water

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.37	J	0.50	0.20	ng/L			05/20/25 16:37	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267711-1

Client Sample ID: SMW-1SB_20250430

Date Collected: 04/30/25 10:45
Date Received: 05/02/25 09:20

Lab Sample ID: 500-267711-7

Matrix: Water

Method: EPA 1630 - Methyl Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		06/11/25 08:48	06/12/25 17:51	1

Method: EPA 1630 - Methyl Mercury - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		06/11/25 08:48	06/12/25 18:01	1

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**3.6**		0.50	0.20	ng/L			05/20/25 16:41	1

Method: EPA 1631E - Mercury, Low Level (CVAFS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.80**		0.50	0.20	ng/L			05/20/25 16:46	1

Method: EPA 1638 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.82**		0.050	0.0098	ug/L		05/21/25 13:55	05/22/25 18:39	1

Method: EPA 1638 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.67**		0.050	0.0098	ug/L		05/21/25 13:55	05/22/25 16:43	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**680**		100	25	ug/L		05/09/25 15:42	05/12/25 18:05	1
Antimony	<1.3		3.0	1.3	ug/L		05/09/25 15:42	05/12/25 18:05	1
Arsenic	**3.5**		1.0	0.23	ug/L		05/09/25 15:42	05/12/25 18:05	1
Barium	**14**	**^5+**	2.5	0.73	ug/L		05/09/25 15:42	05/12/25 18:05	1
Beryllium	<0.53		1.0	0.53	ug/L		05/09/25 15:42	05/12/25 18:05	1
Boron	**6800**		250	64	ug/L		05/09/25 15:42	05/13/25 17:07	5
Cadmium	<0.17		0.50	0.17	ug/L		05/09/25 15:42	05/12/25 18:05	1
Calcium	**2700**		200	44	ug/L		05/09/25 15:42	05/13/25 17:11	1
Chromium	**1.4**	**J**	5.0	1.1	ug/L		05/09/25 15:42	05/12/25 18:05	1
Cobalt	<0.40		1.0	0.40	ug/L		05/09/25 15:42	05/12/25 18:05	1
Copper	**8.3**		2.0	0.50	ug/L		05/09/25 15:42	05/13/25 17:11	1
Iron	**510**		100	47	ug/L		05/09/25 15:42	05/12/25 18:05	1
Lead	**0.47**	**J**	0.50	0.19	ug/L		05/09/25 15:42	05/12/25 18:05	1
Lithium	**19**		10	2.5	ug/L		05/09/25 15:42	05/13/25 17:11	1
Magnesium	**480**		200	49	ug/L		05/09/25 15:42	05/12/25 18:05	1
Manganese	**11**		2.5	0.79	ug/L		05/09/25 15:42	05/12/25 18:05	1
Molybdenum	**7.2**		5.0	2.5	ug/L		05/09/25 15:42	05/12/25 18:05	1
Nickel	**0.95**	**J**	2.0	0.63	ug/L		05/09/25 15:42	05/12/25 18:05	1
Potassium	**1500**		500	110	ug/L		05/09/25 15:42	05/12/25 18:05	1
Selenium	<0.98		2.5	0.98	ug/L		05/09/25 15:42	05/12/25 18:05	1
Silver	<0.12		0.50	0.12	ug/L		05/09/25 15:42	05/12/25 18:05	1
Sodium	**98000**		200	77	ug/L		05/09/25 15:42	05/12/25 18:05	1
Strontium	**24**	**^5+**	4.0	0.64	ug/L		05/09/25 15:42	05/12/25 18:05	1
Thallium	<0.57		2.0	0.57	ug/L		05/09/25 15:42	05/12/25 18:05	1
Tin	<1.3		5.0	1.3	ug/L		05/09/25 15:42	05/12/25 18:05	1
Vanadium	**6.6**		5.0	2.2	ug/L		05/09/25 15:42	05/12/25 18:05	1
Zinc	<6.9		20	6.9	ug/L		05/09/25 15:42	05/12/25 18:05	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267711-1

Client Sample ID: SMW-1SB_20250430

Date Collected: 04/30/25 10:45
Date Received: 05/02/25 09:20

Lab Sample ID: 500-267711-7

Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**26**	**J**	100	25	ug/L		05/09/25 15:42	05/12/25 18:12	1
Antimony	<1.3		3.0	1.3	ug/L		05/09/25 15:42	05/12/25 18:12	1
Arsenic	**3.5**		1.0	0.23	ug/L		05/09/25 15:42	05/12/25 18:12	1
Barium	**10**	**^5+**	2.5	0.73	ug/L		05/09/25 15:42	05/12/25 18:12	1
Beryllium	<0.53		1.0	0.53	ug/L		05/09/25 15:42	05/12/25 18:12	1
Boron	**6800**		250	64	ug/L		05/09/25 15:42	05/13/25 17:09	5
Cadmium	<0.17		0.50	0.17	ug/L		05/09/25 15:42	05/12/25 18:12	1
Calcium	**2400**		200	44	ug/L		05/09/25 15:42	05/13/25 17:21	1
Chromium	<1.1		5.0	1.1	ug/L		05/09/25 15:42	05/12/25 18:12	1
Cobalt	<0.40		1.0	0.40	ug/L		05/09/25 15:42	05/12/25 18:12	1
Copper	**1.7**	**J**	2.0	0.50	ug/L		05/09/25 15:42	05/13/25 17:21	1
Iron	<47		100	47	ug/L		05/09/25 15:42	05/12/25 18:12	1
Lead	<0.19		0.50	0.19	ug/L		05/09/25 15:42	05/12/25 18:12	1
Lithium	**19**		10	2.5	ug/L		05/09/25 15:42	05/13/25 17:21	1
Magnesium	**240**		200	49	ug/L		05/09/25 15:42	05/12/25 18:12	1
Manganese	**2.3**	**J**	2.5	0.79	ug/L		05/09/25 15:42	05/12/25 18:12	1
Molybdenum	**7.0**		5.0	2.5	ug/L		05/09/25 15:42	05/12/25 18:12	1
Nickel	<0.63		2.0	0.63	ug/L		05/09/25 15:42	05/12/25 18:12	1
Potassium	**1300**		500	110	ug/L		05/09/25 15:42	05/12/25 18:12	1
Selenium	<0.98		2.5	0.98	ug/L		05/09/25 15:42	05/12/25 18:12	1
Silver	<0.12		0.50	0.12	ug/L		05/09/25 15:42	05/12/25 18:12	1
Sodium	**96000**		200	77	ug/L		05/09/25 15:42	05/12/25 18:12	1
Strontium	**23**	**^5+**	4.0	0.64	ug/L		05/09/25 15:42	05/12/25 18:12	1
Thallium	<0.57		2.0	0.57	ug/L		05/09/25 15:42	05/12/25 18:12	1
Tin	<1.3		5.0	1.3	ug/L		05/09/25 15:42	05/12/25 18:12	1
Vanadium	**4.9**	**J**	5.0	2.2	ug/L		05/09/25 15:42	05/12/25 18:12	1
Zinc	<6.9		20	6.9	ug/L		05/09/25 15:42	05/12/25 18:12	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**8.7**		0.91	0.46	mg/L		05/09/25 15:42	05/13/25 11:09	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	<0.45		1.0	0.45	mg/L			05/02/25 17:38	1
Nitrate as N (EPA 300.0)	<0.37	H	1.0	0.37	mg/L			05/02/25 17:38	1
Chloride (EPA 300.0)	**15**		1.0	0.42	mg/L			05/02/25 17:38	1
Nitrite as N (EPA 300.0)	<0.25	H	1.0	0.25	mg/L			05/02/25 17:38	1
Fluoride (EPA 300.0)	**6.1**		1.0	0.43	mg/L			05/02/25 17:38	1
Nitrate Nitrite as N (EPA 300.0)	<0.37	H	1.0	0.37	mg/L			05/02/25 17:38	1
Sulfate (EPA 300.0)	**14**		1.0	0.47	mg/L			05/02/25 17:38	1
Cyanide, Total (EPA 335.4)	<0.0036		0.0050	0.0036	mg/L		05/08/25 14:23	05/08/25 17:58	1
Ammonia (EPA 350.1)	**5.2**		0.20	0.10	mg/L		05/22/25 11:37	05/23/25 08:54	1
Phosphorus as P (EPA 365.1)	**0.14**		0.050	0.024	mg/L		05/08/25 09:51	05/09/25 12:30	1
Alkalinity (SM 2320B)	**160**		5.0	3.7	mg/L			05/07/25 07:27	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**130**		5.0	3.7	mg/L			05/07/25 07:27	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	**29**		5.0	3.7	mg/L			05/07/25 07:27	1
Salinity (SM 2520B)	<0.33		0.33	0.33	psu			05/05/25 14:57	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267711-1

Client Sample ID: SMW-1SB_20250430
Date Collected: 04/30/25 10:45
Date Received: 05/02/25 09:20

Lab Sample ID: 500-267711-7
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	250		10	4.3	mg/L			05/07/25 01:20	1
Total Suspended Solids (SM 2540D)	15		5.0	1.9	mg/L			05/05/25 16:32	1
Sulfide (SM 4500 S2 F)	0.80	J	1.0	0.23	mg/L			05/06/25 05:45	1
Total Organic Carbon (SM 5310C)	1.9		1.0	0.47	mg/L			05/15/25 16:07	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon (SM 5310C)	2.1		1.0	0.47	mg/L			05/16/25 05:01	1

Client Sample Results

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267711-1

Client Sample ID: SMW-1SB_20250430_FBLL
Date Collected: 04/30/25 10:45
Date Received: 05/02/25 09:20

Lab Sample ID: 500-267711-8
Matrix: Water

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			05/20/25 16:50	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267711-1

Client Sample ID: NB2-1_20250430

Date Collected: 04/30/25 13:00
Date Received: 05/02/25 09:20

Lab Sample ID: 500-267711-9

Matrix: Water

Method: EPA 1630 - Methyl Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		06/11/25 08:48	06/12/25 18:11	1

Method: EPA 1630 - Methyl Mercury - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		06/11/25 08:48	06/12/25 18:21	1

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.23**	**J**	0.50	0.20	ng/L			05/20/25 16:54	1

Method: EPA 1631E - Mercury, Low Level (CVAFS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.25**	**J**	0.50	0.20	ng/L			05/20/25 16:58	1

Method: EPA 1638 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.10**		0.050	0.0098	ug/L		05/21/25 13:55	05/22/25 18:42	1

Method: EPA 1638 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.10**		0.050	0.0098	ug/L		05/21/25 13:55	05/22/25 16:47	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**32**	**J**	100	25	ug/L		05/09/25 15:42	05/12/25 18:24	1
Antimony	<1.3		3.0	1.3	ug/L		05/09/25 15:42	05/12/25 18:24	1
Arsenic	**0.53**	**J**	1.0	0.23	ug/L		05/09/25 15:42	05/12/25 18:24	1
Barium	**960**	**^5+**	2.5	0.73	ug/L		05/09/25 15:42	05/12/25 18:24	1
Beryllium	<0.53		1.0	0.53	ug/L		05/09/25 15:42	05/12/25 18:24	1
Boron	**540**		50	13	ug/L		05/09/25 15:42	05/13/25 17:33	1
Cadmium	<0.17		0.50	0.17	ug/L		05/09/25 15:42	05/12/25 18:24	1
Calcium	**120000**		200	44	ug/L		05/09/25 15:42	05/13/25 17:33	1
Chromium	<1.1		5.0	1.1	ug/L		05/09/25 15:42	05/12/25 18:24	1
Cobalt	<0.40		1.0	0.40	ug/L		05/09/25 15:42	05/12/25 18:24	1
Copper	<0.50		2.0	0.50	ug/L		05/09/25 15:42	05/13/25 17:33	1
Iron	**91**	**J**	100	47	ug/L		05/09/25 15:42	05/12/25 18:24	1
Lead	<0.19		0.50	0.19	ug/L		05/09/25 15:42	05/12/25 18:24	1
Lithium	**40**		10	2.5	ug/L		05/09/25 15:42	05/13/25 17:33	1
Magnesium	**34000**		200	49	ug/L		05/09/25 15:42	05/12/25 18:24	1
Manganese	**400**		2.5	0.79	ug/L		05/09/25 15:42	05/12/25 18:24	1
Molybdenum	<2.5		5.0	2.5	ug/L		05/09/25 15:42	05/12/25 18:24	1
Nickel	**0.72**	**J**	2.0	0.63	ug/L		05/09/25 15:42	05/12/25 18:24	1
Potassium	**15000**		500	110	ug/L		05/09/25 15:42	05/12/25 18:24	1
Selenium	<0.98		2.5	0.98	ug/L		05/09/25 15:42	05/12/25 18:24	1
Silver	<0.12		0.50	0.12	ug/L		05/09/25 15:42	05/12/25 18:24	1
Sodium	**67000**		200	77	ug/L		05/09/25 15:42	05/12/25 18:24	1
Strontium	**1700**		4.0	0.64	ug/L		05/09/25 15:42	05/13/25 17:33	1
Thallium	<0.57		2.0	0.57	ug/L		05/09/25 15:42	05/12/25 18:24	1
Tin	<1.3		5.0	1.3	ug/L		05/09/25 15:42	05/12/25 18:24	1
Vanadium	<2.2		5.0	2.2	ug/L		05/09/25 15:42	05/12/25 18:24	1
Zinc	<6.9		20	6.9	ug/L		05/09/25 15:42	05/12/25 18:24	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267711-1

Client Sample ID: NB2-1_20250430

Date Collected: 04/30/25 13:00
Date Received: 05/02/25 09:20

Lab Sample ID: 500-267711-9

Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<25		100	25	ug/L		05/09/25 15:42	05/12/25 18:27	1
Antimony	<1.3		3.0	1.3	ug/L		05/09/25 15:42	05/12/25 18:27	1
Arsenic	**0.52**	**J**	1.0	0.23	ug/L		05/09/25 15:42	05/12/25 18:27	1
Barium	**1100**	**^5+**	2.5	0.73	ug/L		05/09/25 15:42	05/12/25 18:27	1
Beryllium	<0.53		1.0	0.53	ug/L		05/09/25 15:42	05/12/25 18:27	1
Boron	**540**		50	13	ug/L		05/09/25 15:42	05/13/25 17:36	1
Cadmium	<0.17		0.50	0.17	ug/L		05/09/25 15:42	05/12/25 18:27	1
Calcium	**120000**		200	44	ug/L		05/09/25 15:42	05/13/25 17:36	1
Chromium	<1.1		5.0	1.1	ug/L		05/09/25 15:42	05/12/25 18:27	1
Cobalt	<0.40		1.0	0.40	ug/L		05/09/25 15:42	05/12/25 18:27	1
Copper	<0.50		2.0	0.50	ug/L		05/09/25 15:42	05/13/25 17:36	1
Iron	<47		100	47	ug/L		05/09/25 15:42	05/12/25 18:27	1
Lead	<0.19		0.50	0.19	ug/L		05/09/25 15:42	05/12/25 18:27	1
Lithium	**38**		10	2.5	ug/L		05/09/25 15:42	05/13/25 17:36	1
Magnesium	**34000**		200	49	ug/L		05/09/25 15:42	05/12/25 18:27	1
Manganese	**390**		2.5	0.79	ug/L		05/09/25 15:42	05/12/25 18:27	1
Molybdenum	<2.5		5.0	2.5	ug/L		05/09/25 15:42	05/12/25 18:27	1
Nickel	<0.63		2.0	0.63	ug/L		05/09/25 15:42	05/12/25 18:27	1
Potassium	**14000**		500	110	ug/L		05/09/25 15:42	05/12/25 18:27	1
Selenium	<0.98		2.5	0.98	ug/L		05/09/25 15:42	05/12/25 18:27	1
Silver	<0.12		0.50	0.12	ug/L		05/09/25 15:42	05/12/25 18:27	1
Sodium	**66000**		200	77	ug/L		05/09/25 15:42	05/12/25 18:27	1
Strontium	**1700**		4.0	0.64	ug/L		05/09/25 15:42	05/13/25 17:36	1
Thallium	<0.57		2.0	0.57	ug/L		05/09/25 15:42	05/12/25 18:27	1
Tin	<1.3		5.0	1.3	ug/L		05/09/25 15:42	05/12/25 18:27	1
Vanadium	<2.2		5.0	2.2	ug/L		05/09/25 15:42	05/12/25 18:27	1
Zinc	<6.9		20	6.9	ug/L		05/09/25 15:42	05/12/25 18:27	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**430**		0.91	0.46	mg/L		05/09/25 15:42	05/13/25 11:09	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	**0.65**	**J**	1.0	0.45	mg/L			05/02/25 11:46	1
Nitrate as N (EPA 300.0)	<0.37	F1	1.0	0.37	mg/L			05/02/25 11:46	1
Chloride (EPA 300.0)	**89**		1.0	0.42	mg/L			05/02/25 11:46	1
Nitrite as N (EPA 300.0)	<0.25		1.0	0.25	mg/L			05/02/25 11:46	1
Fluoride (EPA 300.0)	<0.43		1.0	0.43	mg/L			05/02/25 11:46	1
Nitrate Nitrite as N (EPA 300.0)	<0.37	F1	1.0	0.37	mg/L			05/02/25 11:46	1
Sulfate (EPA 300.0)	**59**		1.0	0.47	mg/L			05/02/25 11:46	1
Cyanide, Total (EPA 335.4)	<0.0036	F1	0.0050	0.0036	mg/L		05/08/25 14:23	05/08/25 17:58	1
Ammonia (EPA 350.1)	**0.19**	**J**	0.20	0.10	mg/L		05/22/25 11:37	05/23/25 08:54	1
Phosphorus as P (EPA 365.1)	<0.024		0.050	0.024	mg/L		05/08/25 09:51	05/09/25 12:31	1
Alkalinity (SM 2320B)	**400**		5.0	3.7	mg/L			05/07/25 07:36	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**400**		5.0	3.7	mg/L			05/07/25 07:36	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<3.7		5.0	3.7	mg/L			05/07/25 07:36	1
Salinity (SM 2520B)	**0.40**		0.33	0.33	psu			05/05/25 14:57	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267711-1

Client Sample ID: NB2-1_20250430
Date Collected: 04/30/25 13:00
Date Received: 05/02/25 09:20

Lab Sample ID: 500-267711-9
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**680**		10	4.3	mg/L			05/07/25 03:02	1
Total Suspended Solids (SM 2540D)	<1.9		5.0	1.9	mg/L			05/06/25 10:13	1
Sulfide (SM 4500 S2 F)	**6.1**		1.0	0.23	mg/L			05/06/25 05:49	1
Total Organic Carbon (SM 5310C)	**7.8**		1.0	0.47	mg/L			05/15/25 16:39	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon (SM 5310C)	**7.9**		1.0	0.47	mg/L			05/16/25 05:33	1

Client Sample Results

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267711-1

Client Sample ID: NB2-1_20250430_FBLL
Date Collected: 04/30/25 13:00
Date Received: 05/02/25 09:20

Lab Sample ID: 500-267711-10
Matrix: Water

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			05/20/25 17:02	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267711-1

Client Sample ID: NB2-3_20250430

Date Collected: 04/30/25 14:00
Date Received: 05/02/25 09:20

Lab Sample ID: 500-267711-11

Matrix: Water

Method: EPA 1630 - Methyl Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		06/11/25 08:48	06/12/25 18:32	1

Method: EPA 1630 - Methyl Mercury - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		06/11/25 08:48	06/12/25 18:42	1

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.53**		0.50	0.20	ng/L			05/20/25 17:06	1

Method: EPA 1631E - Mercury, Low Level (CVAFS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.20**	**J**	0.50	0.20	ng/L			05/20/25 17:10	1

Method: EPA 1638 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.016**	**J**	0.050	0.0098	ug/L		05/21/25 13:55	05/22/25 18:46	1

Method: EPA 1638 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.014**	**J**	0.050	0.0098	ug/L		05/21/25 13:55	05/22/25 16:50	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**27**	**J**	100	25	ug/L		05/09/25 15:42	05/12/25 18:29	1
Antimony	<1.3		3.0	1.3	ug/L		05/09/25 15:42	05/12/25 18:29	1
Arsenic	**6.7**		1.0	0.23	ug/L		05/09/25 15:42	05/12/25 18:29	1
Barium	**210**	**^5+**	2.5	0.73	ug/L		05/09/25 15:42	05/12/25 18:29	1
Beryllium	<0.53		1.0	0.53	ug/L		05/09/25 15:42	05/12/25 18:29	1
Boron	**2000**		50	13	ug/L		05/09/25 15:42	05/13/25 17:38	1
Cadmium	<0.17		0.50	0.17	ug/L		05/09/25 15:42	05/12/25 18:29	1
Calcium	**22000**		200	44	ug/L		05/09/25 15:42	05/13/25 17:38	1
Chromium	<1.1		5.0	1.1	ug/L		05/09/25 15:42	05/12/25 18:29	1
Cobalt	<0.40		1.0	0.40	ug/L		05/09/25 15:42	05/12/25 18:29	1
Copper	**2.2**		2.0	0.50	ug/L		05/09/25 15:42	05/13/25 17:38	1
Iron	**1000**		100	47	ug/L		05/09/25 15:42	05/12/25 18:29	1
Lead	<0.19		0.50	0.19	ug/L		05/09/25 15:42	05/12/25 18:29	1
Lithium	**12**		10	2.5	ug/L		05/09/25 15:42	05/13/25 17:38	1
Magnesium	**2500**		200	49	ug/L		05/09/25 15:42	05/12/25 18:29	1
Manganese	**140**		2.5	0.79	ug/L		05/09/25 15:42	05/12/25 18:29	1
Molybdenum	**110**		5.0	2.5	ug/L		05/09/25 15:42	05/12/25 18:29	1
Nickel	<0.63		2.0	0.63	ug/L		05/09/25 15:42	05/12/25 18:29	1
Potassium	**8900**		500	110	ug/L		05/09/25 15:42	05/12/25 18:29	1
Selenium	<0.98		2.5	0.98	ug/L		05/09/25 15:42	05/12/25 18:29	1
Silver	<0.12		0.50	0.12	ug/L		05/09/25 15:42	05/12/25 18:29	1
Sodium	**210000**		200	77	ug/L		05/09/25 15:42	05/12/25 18:29	1
Strontium	**300**	**^5+**	4.0	0.64	ug/L		05/09/25 15:42	05/12/25 18:29	1
Thallium	<0.57		2.0	0.57	ug/L		05/09/25 15:42	05/12/25 18:29	1
Tin	<1.3		5.0	1.3	ug/L		05/09/25 15:42	05/12/25 18:29	1
Vanadium	<2.2		5.0	2.2	ug/L		05/09/25 15:42	05/12/25 18:29	1
Zinc	<6.9		20	6.9	ug/L		05/09/25 15:42	05/12/25 18:29	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267711-1

Client Sample ID: NB2-3_20250430

Date Collected: 04/30/25 14:00
Date Received: 05/02/25 09:20

Lab Sample ID: 500-267711-11

Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<25		100	25	ug/L		05/09/25 15:45	05/13/25 18:48	1
Antimony	<1.3		3.0	1.3	ug/L		05/09/25 15:45	05/13/25 18:48	1
Arsenic	**6.1**		1.0	0.23	ug/L		05/09/25 15:45	05/13/25 18:48	1
Barium	**200**		2.5	0.73	ug/L		05/09/25 15:45	05/13/25 18:48	1
Beryllium	<0.53		1.0	0.53	ug/L		05/09/25 15:45	05/13/25 18:48	1
Boron	**1900**		50	13	ug/L		05/09/25 15:45	05/13/25 18:48	1
Cadmium	<0.17		0.50	0.17	ug/L		05/09/25 15:45	05/13/25 18:48	1
Calcium	**21000**		200	44	ug/L		05/09/25 15:45	05/13/25 18:48	1
Chromium	<1.1		5.0	1.1	ug/L		05/09/25 15:45	05/13/25 18:48	1
Cobalt	<0.40		1.0	0.40	ug/L		05/09/25 15:45	05/13/25 18:48	1
Copper	<0.50		2.0	0.50	ug/L		05/09/25 15:45	05/13/25 18:48	1
Iron	**670**		100	47	ug/L		05/09/25 15:45	05/13/25 18:48	1
Lead	<0.19		0.50	0.19	ug/L		05/09/25 15:45	05/13/25 18:48	1
Lithium	**12**		10	2.5	ug/L		05/09/25 15:45	05/13/25 18:48	1
Magnesium	**2300**		200	49	ug/L		05/09/25 15:45	05/13/25 18:48	1
Manganese	**140**		2.5	0.79	ug/L		05/09/25 15:45	05/14/25 13:08	1
Molybdenum	**110**		5.0	2.5	ug/L		05/09/25 15:45	05/13/25 18:48	1
Nickel	<0.63		2.0	0.63	ug/L		05/09/25 15:45	05/13/25 18:48	1
Potassium	**8600**		500	110	ug/L		05/09/25 15:45	05/13/25 18:48	1
Selenium	<0.98		2.5	0.98	ug/L		05/09/25 15:45	05/13/25 18:48	1
Silver	<0.12		0.50	0.12	ug/L		05/09/25 15:45	05/13/25 18:48	1
Sodium	**200000**		200	77	ug/L		05/09/25 15:45	05/13/25 18:48	1
Strontium	**280**		4.0	0.64	ug/L		05/09/25 15:45	05/13/25 18:48	1
Thallium	<0.57		2.0	0.57	ug/L		05/09/25 15:45	05/13/25 18:48	1
Tin	**1.4**	**J**	5.0	1.3	ug/L		05/09/25 15:45	05/13/25 18:48	1
Vanadium	<2.2		5.0	2.2	ug/L		05/09/25 15:45	05/13/25 18:48	1
Zinc	<6.9		20	6.9	ug/L		05/09/25 15:45	05/13/25 18:48	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**65**		0.91	0.46	mg/L		05/09/25 15:42	05/13/25 11:09	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	**2.3**		1.0	0.45	mg/L			05/02/25 12:32	1
Nitrate as N (EPA 300.0)	<0.37		1.0	0.37	mg/L			05/02/25 12:32	1
Chloride (EPA 300.0)	**230**		1.0	0.42	mg/L			05/02/25 12:32	1
Nitrite as N (EPA 300.0)	<0.25		1.0	0.25	mg/L			05/02/25 12:32	1
Fluoride (EPA 300.0)	<0.43		1.0	0.43	mg/L			05/02/25 12:32	1
Nitrate Nitrite as N (EPA 300.0)	<0.37		1.0	0.37	mg/L			05/02/25 12:32	1
Sulfate (EPA 300.0)	<0.47		1.0	0.47	mg/L			05/02/25 12:32	1
Cyanide, Total (EPA 335.4)	<0.0036		0.0050	0.0036	mg/L		05/08/25 16:11	05/09/25 16:28	1
Ammonia (EPA 350.1)	**0.31**		0.20	0.10	mg/L		05/22/25 11:37	05/23/25 08:55	1
Phosphorus as P (EPA 365.1)	**0.18**		0.050	0.024	mg/L		05/08/25 09:51	05/09/25 12:32	1
Alkalinity (SM 2320B)	**200**		5.0	3.7	mg/L			05/07/25 07:46	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**200**		5.0	3.7	mg/L			05/07/25 07:46	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<3.7		5.0	3.7	mg/L			05/07/25 07:46	1
Salinity (SM 2520B)	**0.40**		0.33	0.33	psu			05/05/25 14:57	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267711-1

Client Sample ID: NB2-3_20250430
Date Collected: 04/30/25 14:00
Date Received: 05/02/25 09:20

Lab Sample ID: 500-267711-11
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	570		10	4.3	mg/L			05/07/25 03:04	1
Total Suspended Solids (SM 2540D)	6.8		5.0	1.9	mg/L			05/06/25 10:24	1
Sulfide (SM 4500 S2 F)	<0.23		1.0	0.23	mg/L			05/06/25 05:53	1
Total Organic Carbon (SM 5310C)	5.2		1.0	0.47	mg/L			05/15/25 17:11	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon (SM 5310C)	5.0		1.0	0.47	mg/L			05/16/25 06:06	1

Client Sample Results

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267711-1

Client Sample ID: NB2-3_20250430_FBLL
Date Collected: 04/30/25 14:00
Date Received: 05/02/25 09:20

Lab Sample ID: 500-267711-12
Matrix: Water

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			05/20/25 17:48	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267711-1

Client Sample ID: NTC-01_20250430

Date Collected: 04/30/25 11:30
Date Received: 05/02/25 09:20

Lab Sample ID: 500-267711-13

Matrix: Water

Method: EPA 1630 - Methyl Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	**0.049**	**J**	0.050	0.022	ng/L		06/11/25 08:48	06/12/25 18:52	1

Method: EPA 1630 - Methyl Mercury - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	**0.035**	**J**	0.050	0.022	ng/L		06/11/25 08:48	06/12/25 19:02	1

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**3.2**		0.50	0.20	ng/L			05/20/25 17:52	1

Method: EPA 1631E - Mercury, Low Level (CVAFS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**2.6**		0.50	0.20	ng/L			05/20/25 17:56	1

Method: EPA 1638 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.057**		0.050	0.0098	ug/L		05/21/25 13:55	05/22/25 18:50	1

Method: EPA 1638 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.058**		0.050	0.0098	ug/L		05/21/25 13:55	05/22/25 17:39	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**110**		100	25	ug/L		05/09/25 15:45	05/13/25 19:01	1
Antimony	<1.3		3.0	1.3	ug/L		05/09/25 15:45	05/13/25 19:01	1
Arsenic	**0.31**	**J**	1.0	0.23	ug/L		05/09/25 15:45	05/13/25 19:01	1
Barium	**30**		2.5	0.73	ug/L		05/09/25 15:45	05/13/25 19:01	1
Beryllium	<0.53		1.0	0.53	ug/L		05/09/25 15:45	05/13/25 19:01	1
Boron	**74**		50	13	ug/L		05/09/25 15:45	05/13/25 19:01	1
Cadmium	<0.17		0.50	0.17	ug/L		05/09/25 15:45	05/13/25 19:01	1
Calcium	**15000**		200	44	ug/L		05/09/25 15:45	05/13/25 19:01	1
Chromium	<1.1		5.0	1.1	ug/L		05/09/25 15:45	05/13/25 19:01	1
Cobalt	<0.40		1.0	0.40	ug/L		05/09/25 15:45	05/13/25 19:01	1
Copper	**12**		2.0	0.50	ug/L		05/09/25 15:45	05/13/25 19:01	1
Iron	**430**		100	47	ug/L		05/09/25 15:45	05/13/25 19:01	1
Lead	<0.19		0.50	0.19	ug/L		05/09/25 15:45	05/13/25 19:01	1
Lithium	<2.5		10	2.5	ug/L		05/09/25 15:45	05/13/25 19:01	1
Magnesium	**3200**		200	49	ug/L		05/09/25 15:45	05/13/25 19:01	1
Manganese	**43**		2.5	0.79	ug/L		05/09/25 15:45	05/14/25 13:25	1
Molybdenum	<2.5		5.0	2.5	ug/L		05/09/25 15:45	05/13/25 19:01	1
Nickel	<0.63		2.0	0.63	ug/L		05/09/25 15:45	05/13/25 19:01	1
Potassium	**1300**		500	110	ug/L		05/09/25 15:45	05/13/25 19:01	1
Selenium	<0.98		2.5	0.98	ug/L		05/09/25 15:45	05/13/25 19:01	1
Silver	<0.12		0.50	0.12	ug/L		05/09/25 15:45	05/13/25 19:01	1
Sodium	**3500**		200	77	ug/L		05/09/25 15:45	05/13/25 19:01	1
Strontium	**89**		4.0	0.64	ug/L		05/09/25 15:45	05/13/25 19:01	1
Thallium	<0.57		2.0	0.57	ug/L		05/09/25 15:45	05/13/25 19:01	1
Tin	**1.3**	**J**	5.0	1.3	ug/L		05/09/25 15:45	05/13/25 19:01	1
Vanadium	<2.2		5.0	2.2	ug/L		05/09/25 15:45	05/13/25 19:01	1
Zinc	<6.9		20	6.9	ug/L		05/09/25 15:45	05/13/25 19:01	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267711-1

Client Sample ID: NTC-01_20250430

Date Collected: 04/30/25 11:30
Date Received: 05/02/25 09:20

Lab Sample ID: 500-267711-13

Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**47**	**J**	100	25	ug/L		05/09/25 15:45	05/13/25 19:03	1
Antimony	<1.3		3.0	1.3	ug/L		05/09/25 15:45	05/13/25 19:03	1
Arsenic	**0.30**	**J**	1.0	0.23	ug/L		05/09/25 15:45	05/13/25 19:03	1
Barium	**30**		2.5	0.73	ug/L		05/09/25 15:45	05/13/25 19:03	1
Beryllium	<0.53		1.0	0.53	ug/L		05/09/25 15:45	05/13/25 19:03	1
Boron	**61**		50	13	ug/L		05/09/25 15:45	05/13/25 19:03	1
Cadmium	<0.17		0.50	0.17	ug/L		05/09/25 15:45	05/13/25 19:03	1
Calcium	**15000**		200	44	ug/L		05/09/25 15:45	05/13/25 19:03	1
Chromium	<1.1		5.0	1.1	ug/L		05/09/25 15:45	05/13/25 19:03	1
Cobalt	<0.40		1.0	0.40	ug/L		05/09/25 15:45	05/13/25 19:03	1
Copper	**11**		2.0	0.50	ug/L		05/09/25 15:45	05/13/25 19:03	1
Iron	**300**		100	47	ug/L		05/09/25 15:45	05/13/25 19:03	1
Lead	<0.19		0.50	0.19	ug/L		05/09/25 15:45	05/13/25 19:03	1
Lithium	<2.5		10	2.5	ug/L		05/09/25 15:45	05/13/25 19:03	1
Magnesium	**3300**		200	49	ug/L		05/09/25 15:45	05/13/25 19:03	1
Manganese	**34**		2.5	0.79	ug/L		05/09/25 15:45	05/14/25 13:28	1
Molybdenum	<2.5		5.0	2.5	ug/L		05/09/25 15:45	05/13/25 19:03	1
Nickel	<0.63		2.0	0.63	ug/L		05/09/25 15:45	05/13/25 19:03	1
Potassium	**1300**		500	110	ug/L		05/09/25 15:45	05/13/25 19:03	1
Selenium	<0.98		2.5	0.98	ug/L		05/09/25 15:45	05/13/25 19:03	1
Silver	<0.12		0.50	0.12	ug/L		05/09/25 15:45	05/13/25 19:03	1
Sodium	**3500**		200	77	ug/L		05/09/25 15:45	05/13/25 19:03	1
Strontium	**91**		4.0	0.64	ug/L		05/09/25 15:45	05/13/25 19:03	1
Thallium	<0.57		2.0	0.57	ug/L		05/09/25 15:45	05/13/25 19:03	1
Tin	<1.3		5.0	1.3	ug/L		05/09/25 15:45	05/13/25 19:03	1
Vanadium	<2.2		5.0	2.2	ug/L		05/09/25 15:45	05/13/25 19:03	1
Zinc	<6.9		20	6.9	ug/L		05/09/25 15:45	05/13/25 19:03	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**50**		0.91	0.46	mg/L		05/09/25 15:45	05/14/25 09:43	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	<0.45		1.0	0.45	mg/L			05/02/25 17:53	1
Nitrate as N (EPA 300.0)	<0.37	H	1.0	0.37	mg/L			05/02/25 17:53	1
Chloride (EPA 300.0)	**5.7**		1.0	0.42	mg/L			05/02/25 17:53	1
Nitrite as N (EPA 300.0)	<0.25	H	1.0	0.25	mg/L			05/02/25 17:53	1
Fluoride (EPA 300.0)	<0.43		1.0	0.43	mg/L			05/02/25 17:53	1
Nitrate Nitrite as N (EPA 300.0)	<0.37	H	1.0	0.37	mg/L			05/02/25 17:53	1
Sulfate (EPA 300.0)	**1.7**		1.0	0.47	mg/L			05/02/25 17:53	1
Cyanide, Total (EPA 335.4)	<0.0036		0.0050	0.0036	mg/L		05/08/25 16:11	05/09/25 16:28	1
Ammonia (EPA 350.1)	<0.10		0.20	0.10	mg/L		05/22/25 11:37	05/23/25 08:55	1
Phosphorus as P (EPA 365.1)	<0.024		0.050	0.024	mg/L		05/08/25 09:51	05/09/25 12:33	1
Alkalinity (SM 2320B)	**55**		5.0	3.7	mg/L			05/07/25 07:56	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**55**		5.0	3.7	mg/L			05/07/25 07:56	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<3.7		5.0	3.7	mg/L			05/07/25 07:56	1
Salinity (SM 2520B)	<0.33		0.33	0.33	psu			05/05/25 14:57	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267711-1

Client Sample ID: NTC-01_20250430
Date Collected: 04/30/25 11:30
Date Received: 05/02/25 09:20

Lab Sample ID: 500-267711-13
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**86**		10	4.3	mg/L			05/07/25 03:07	1
Total Suspended Solids (SM 2540D)	<1.9		5.0	1.9	mg/L			05/06/25 10:30	1
Sulfide (SM 4500 S2 F)	**1.5**		1.0	0.23	mg/L			05/06/25 05:57	1
Total Organic Carbon (SM 5310C)	**10**		1.0	0.47	mg/L			05/15/25 18:48	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon (SM 5310C)	**9.8**		1.0	0.47	mg/L			05/16/25 07:43	1

Client Sample Results

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267711-1

Client Sample ID: NTC-01_20250430_FBLL
Date Collected: 04/30/25 11:30
Date Received: 05/02/25 09:20

Lab Sample ID: 500-267711-14
Matrix: Water

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			05/20/25 18:00	1

Client Sample ID: DUP-01-SW_20250430

Lab Sample ID: 500-267711-15

Date Collected: 04/30/25 23:59

Matrix: Water

Date Received: 05/02/25 09:20

Method: EPA 1630 - Methyl Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	**0.066**		0.050	0.022	ng/L		05/23/25 10:57	05/23/25 22:35	1

Method: EPA 1630 - Methyl Mercury - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	**0.047**	**J**	0.050	0.022	ng/L		05/23/25 10:57	05/23/25 22:45	1

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**3.1**		0.50	0.20	ng/L			05/20/25 18:13	1

Method: EPA 1631E - Mercury, Low Level (CVAFS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**2.5**		0.50	0.20	ng/L			05/20/25 18:17	1

Method: EPA 1638 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.053**		0.050	0.0098	ug/L		05/21/25 13:55	05/22/25 18:54	1

Method: EPA 1638 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.053**		0.050	0.0098	ug/L		05/21/25 13:55	05/22/25 17:43	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**120**		100	25	ug/L		05/09/25 15:45	05/13/25 19:05	1
Antimony	<1.3		3.0	1.3	ug/L		05/09/25 15:45	05/13/25 19:05	1
Arsenic	**0.35**	**J**	1.0	0.23	ug/L		05/09/25 15:45	05/13/25 19:05	1
Barium	**30**		2.5	0.73	ug/L		05/09/25 15:45	05/13/25 19:05	1
Beryllium	<0.53		1.0	0.53	ug/L		05/09/25 15:45	05/13/25 19:05	1
Boron	**56**		50	13	ug/L		05/09/25 15:45	05/13/25 19:05	1
Cadmium	<0.17		0.50	0.17	ug/L		05/09/25 15:45	05/13/25 19:05	1
Calcium	**15000**		200	44	ug/L		05/09/25 15:45	05/13/25 19:05	1
Chromium	<1.1		5.0	1.1	ug/L		05/09/25 15:45	05/13/25 19:05	1
Cobalt	<0.40		1.0	0.40	ug/L		05/09/25 15:45	05/13/25 19:05	1
Copper	**12**		2.0	0.50	ug/L		05/09/25 15:45	05/13/25 19:05	1
Iron	**420**		100	47	ug/L		05/09/25 15:45	05/13/25 19:05	1
Lead	<0.19		0.50	0.19	ug/L		05/09/25 15:45	05/13/25 19:05	1
Lithium	<2.5		10	2.5	ug/L		05/09/25 15:45	05/13/25 19:05	1
Magnesium	**3200**		200	49	ug/L		05/09/25 15:45	05/13/25 19:05	1
Manganese	**44**		2.5	0.79	ug/L		05/09/25 15:45	05/14/25 13:30	1
Molybdenum	<2.5		5.0	2.5	ug/L		05/09/25 15:45	05/13/25 19:05	1
Nickel	<0.63		2.0	0.63	ug/L		05/09/25 15:45	05/13/25 19:05	1
Potassium	**1300**		500	110	ug/L		05/09/25 15:45	05/13/25 19:05	1
Selenium	<0.98		2.5	0.98	ug/L		05/09/25 15:45	05/13/25 19:05	1
Silver	<0.12		0.50	0.12	ug/L		05/09/25 15:45	05/13/25 19:05	1
Sodium	**3500**		200	77	ug/L		05/09/25 15:45	05/13/25 19:05	1
Strontium	**89**		4.0	0.64	ug/L		05/09/25 15:45	05/13/25 19:05	1
Thallium	<0.57		2.0	0.57	ug/L		05/09/25 15:45	05/13/25 19:05	1
Tin	<1.3		5.0	1.3	ug/L		05/09/25 15:45	05/13/25 19:05	1
Vanadium	<2.2		5.0	2.2	ug/L		05/09/25 15:45	05/13/25 19:05	1
Zinc	<6.9		20	6.9	ug/L		05/09/25 15:45	05/13/25 19:05	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267711-1

Client Sample ID: DUP-01-SW_20250430

Date Collected: 04/30/25 23:59
Date Received: 05/02/25 09:20

Lab Sample ID: 500-267711-15

Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**48**	**J**	100	25	ug/L		05/09/25 15:45	05/13/25 19:13	1
Antimony	<1.3		3.0	1.3	ug/L		05/09/25 15:45	05/13/25 19:13	1
Arsenic	**0.33**	**J**	1.0	0.23	ug/L		05/09/25 15:45	05/13/25 19:13	1
Barium	**29**		2.5	0.73	ug/L		05/09/25 15:45	05/13/25 19:13	1
Beryllium	<0.53		1.0	0.53	ug/L		05/09/25 15:45	05/13/25 19:13	1
Boron	**48**	**J**	50	13	ug/L		05/09/25 15:45	05/13/25 19:13	1
Cadmium	<0.17		0.50	0.17	ug/L		05/09/25 15:45	05/13/25 19:13	1
Calcium	**15000**		200	44	ug/L		05/09/25 15:45	05/13/25 19:13	1
Chromium	<1.1		5.0	1.1	ug/L		05/09/25 15:45	05/13/25 19:13	1
Cobalt	<0.40		1.0	0.40	ug/L		05/09/25 15:45	05/13/25 19:13	1
Copper	**11**		2.0	0.50	ug/L		05/09/25 15:45	05/13/25 19:13	1
Iron	**270**		100	47	ug/L		05/09/25 15:45	05/13/25 19:13	1
Lead	<0.19		0.50	0.19	ug/L		05/09/25 15:45	05/13/25 19:13	1
Lithium	<2.5		10	2.5	ug/L		05/09/25 15:45	05/13/25 19:13	1
Magnesium	**3200**		200	49	ug/L		05/09/25 15:45	05/13/25 19:13	1
Manganese	**33**		2.5	0.79	ug/L		05/09/25 15:45	05/14/25 13:32	1
Molybdenum	<2.5		5.0	2.5	ug/L		05/09/25 15:45	05/13/25 19:13	1
Nickel	<0.63		2.0	0.63	ug/L		05/09/25 15:45	05/13/25 19:13	1
Potassium	**1300**		500	110	ug/L		05/09/25 15:45	05/13/25 19:13	1
Selenium	<0.98		2.5	0.98	ug/L		05/09/25 15:45	05/13/25 19:13	1
Silver	<0.12		0.50	0.12	ug/L		05/09/25 15:45	05/13/25 19:13	1
Sodium	**3500**		200	77	ug/L		05/09/25 15:45	05/13/25 19:13	1
Strontium	**89**		4.0	0.64	ug/L		05/09/25 15:45	05/13/25 19:13	1
Thallium	<0.57		2.0	0.57	ug/L		05/09/25 15:45	05/13/25 19:13	1
Tin	<1.3		5.0	1.3	ug/L		05/09/25 15:45	05/13/25 19:13	1
Vanadium	<2.2		5.0	2.2	ug/L		05/09/25 15:45	05/13/25 19:13	1
Zinc	<6.9		20	6.9	ug/L		05/09/25 15:45	05/13/25 19:13	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**50**		0.91	0.46	mg/L		05/09/25 15:45	05/14/25 09:43	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	<0.45		1.0	0.45	mg/L			05/02/25 18:08	1
Nitrate as N (EPA 300.0)	<0.37		1.0	0.37	mg/L			05/02/25 18:08	1
Chloride (EPA 300.0)	**5.5**		1.0	0.42	mg/L			05/02/25 18:08	1
Nitrite as N (EPA 300.0)	<0.25		1.0	0.25	mg/L			05/02/25 18:08	1
Fluoride (EPA 300.0)	<0.43		1.0	0.43	mg/L			05/02/25 18:08	1
Nitrate Nitrite as N (EPA 300.0)	<0.37		1.0	0.37	mg/L			05/02/25 18:08	1
Sulfate (EPA 300.0)	**1.7**		1.0	0.47	mg/L			05/02/25 18:08	1
Cyanide, Total (EPA 335.4)	<0.0036		0.0050	0.0036	mg/L		05/08/25 16:11	05/09/25 16:29	1
Ammonia (EPA 350.1)	<0.10		0.20	0.10	mg/L		05/22/25 11:37	05/23/25 08:55	1
Phosphorus as P (EPA 365.1)	<0.024		0.050	0.024	mg/L		05/08/25 09:51	05/09/25 12:34	1
Alkalinity (SM 2320B)	**52**		5.0	3.7	mg/L			05/07/25 08:04	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**52**		5.0	3.7	mg/L			05/07/25 08:04	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<3.7		5.0	3.7	mg/L			05/07/25 08:04	1
Salinity (SM 2520B)	<0.33		0.33	0.33	psu			05/05/25 14:57	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267711-1

Client Sample ID: DUP-01-SW_20250430
Date Collected: 04/30/25 23:59
Date Received: 05/02/25 09:20

Lab Sample ID: 500-267711-15
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**54**		10	4.3	mg/L			05/07/25 03:10	1
Total Suspended Solids (SM 2540D)	<1.9		5.0	1.9	mg/L			05/06/25 10:36	1
Sulfide (SM 4500 S2 F)	**0.91**	**J**	1.0	0.23	mg/L			05/06/25 06:01	1
Total Organic Carbon (SM 5310C)	**10**		1.0	0.47	mg/L			05/15/25 19:20	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon (SM 5310C)	**10**		1.0	0.47	mg/L			05/16/25 08:15	1

Client Sample Results

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267711-1

Client Sample ID: DUP-01-SW_20250430_FBLL
Date Collected: 04/30/25 23:59
Date Received: 05/02/25 09:20

Lab Sample ID: 500-267711-16
Matrix: Water

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.21	J	0.50	0.20	ng/L			05/20/25 18:21	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267711-1

Client Sample ID: PRC-02_20250430

Date Collected: 04/30/25 14:00
Date Received: 05/02/25 09:20

Lab Sample ID: 500-267711-17

Matrix: Water

Method: EPA 1630 - Methyl Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	**0.033**	**J**	0.050	0.022	ng/L		05/23/25 10:57	05/23/25 21:13	1

Method: EPA 1630 - Methyl Mercury - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		05/23/25 10:57	05/23/25 22:55	1

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.85**		0.50	0.20	ng/L			05/20/25 18:25	1

Method: EPA 1631E - Mercury, Low Level (CVAFS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.39**	**J**	0.50	0.20	ng/L			05/20/25 18:29	1

Method: EPA 1638 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.38**		0.050	0.0098	ug/L		05/21/25 13:55	05/22/25 17:16	1

Method: EPA 1638 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.36**		0.050	0.0098	ug/L		05/21/25 13:55	05/22/25 17:54	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**460**		100	25	ug/L		05/09/25 15:45	05/13/25 19:15	1
Antimony	<1.3		3.0	1.3	ug/L		05/09/25 15:45	05/13/25 19:15	1
Arsenic	**0.59**	**J**	1.0	0.23	ug/L		05/09/25 15:45	05/13/25 19:15	1
Barium	**62**		2.5	0.73	ug/L		05/09/25 15:45	05/13/25 19:15	1
Beryllium	<0.53		1.0	0.53	ug/L		05/09/25 15:45	05/13/25 19:15	1
Boron	**120**		50	13	ug/L		05/09/25 15:45	05/13/25 19:15	1
Cadmium	<0.17		0.50	0.17	ug/L		05/09/25 15:45	05/13/25 19:15	1
Calcium	**45000**		200	44	ug/L		05/09/25 15:45	05/13/25 19:15	1
Chromium	**1.2**	**J**	5.0	1.1	ug/L		05/09/25 15:45	05/13/25 19:15	1
Cobalt	<0.40		1.0	0.40	ug/L		05/09/25 15:45	05/13/25 19:15	1
Copper	**52**		2.0	0.50	ug/L		05/09/25 15:45	05/13/25 19:15	1
Iron	**740**		100	47	ug/L		05/09/25 15:45	05/13/25 19:15	1
Lead	**0.21**	**J**	0.50	0.19	ug/L		05/09/25 15:45	05/13/25 19:15	1
Lithium	**17**		10	2.5	ug/L		05/09/25 15:45	05/13/25 19:15	1
Magnesium	**5700**		200	49	ug/L		05/09/25 15:45	05/13/25 19:15	1
Manganese	**49**		2.5	0.79	ug/L		05/09/25 15:45	05/14/25 13:35	1
Molybdenum	**22**		5.0	2.5	ug/L		05/09/25 15:45	05/13/25 19:15	1
Nickel	**0.78**	**J**	2.0	0.63	ug/L		05/09/25 15:45	05/13/25 19:15	1
Potassium	**3300**		500	110	ug/L		05/09/25 15:45	05/13/25 19:15	1
Selenium	<0.98		2.5	0.98	ug/L		05/09/25 15:45	05/13/25 19:15	1
Silver	<0.12		0.50	0.12	ug/L		05/09/25 15:45	05/13/25 19:15	1
Sodium	**23000**		200	77	ug/L		05/09/25 15:45	05/13/25 19:15	1
Strontium	**400**		4.0	0.64	ug/L		05/09/25 15:45	05/13/25 19:15	1
Thallium	<0.57		2.0	0.57	ug/L		05/09/25 15:45	05/13/25 19:15	1
Tin	<1.3		5.0	1.3	ug/L		05/09/25 15:45	05/13/25 19:15	1
Vanadium	<2.2		5.0	2.2	ug/L		05/09/25 15:45	05/13/25 19:15	1
Zinc	<6.9		20	6.9	ug/L		05/09/25 15:45	05/13/25 19:15	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267711-1

Client Sample ID: PRC-02_20250430

Date Collected: 04/30/25 14:00
Date Received: 05/02/25 09:20

Lab Sample ID: 500-267711-17

Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<25		100	25	ug/L		05/09/25 15:45	05/13/25 19:18	1
Antimony	<1.3		3.0	1.3	ug/L		05/09/25 15:45	05/13/25 19:18	1
Arsenic	**0.45**	**J**	1.0	0.23	ug/L		05/09/25 15:45	05/13/25 19:18	1
Barium	**57**		2.5	0.73	ug/L		05/09/25 15:45	05/13/25 19:18	1
Beryllium	<0.53		1.0	0.53	ug/L		05/09/25 15:45	05/13/25 19:18	1
Boron	**120**		50	13	ug/L		05/09/25 15:45	05/13/25 19:18	1
Cadmium	<0.17		0.50	0.17	ug/L		05/09/25 15:45	05/13/25 19:18	1
Calcium	**44000**		200	44	ug/L		05/09/25 15:45	05/13/25 19:18	1
Chromium	<1.1		5.0	1.1	ug/L		05/09/25 15:45	05/13/25 19:18	1
Cobalt	<0.40		1.0	0.40	ug/L		05/09/25 15:45	05/13/25 19:18	1
Copper	**19**		2.0	0.50	ug/L		05/09/25 15:45	05/13/25 19:18	1
Iron	<47		100	47	ug/L		05/09/25 15:45	05/13/25 19:18	1
Lead	<0.19		0.50	0.19	ug/L		05/09/25 15:45	05/13/25 19:18	1
Lithium	**17**		10	2.5	ug/L		05/09/25 15:45	05/13/25 19:18	1
Magnesium	**5400**		200	49	ug/L		05/09/25 15:45	05/13/25 19:18	1
Manganese	**23**		2.5	0.79	ug/L		05/09/25 15:45	05/14/25 13:37	1
Molybdenum	**22**		5.0	2.5	ug/L		05/09/25 15:45	05/13/25 19:18	1
Nickel	<0.63		2.0	0.63	ug/L		05/09/25 15:45	05/13/25 19:18	1
Potassium	**3200**		500	110	ug/L		05/09/25 15:45	05/13/25 19:18	1
Selenium	<0.98		2.5	0.98	ug/L		05/09/25 15:45	05/13/25 19:18	1
Silver	<0.12		0.50	0.12	ug/L		05/09/25 15:45	05/13/25 19:18	1
Sodium	**23000**		200	77	ug/L		05/09/25 15:45	05/13/25 19:18	1
Strontium	**390**		4.0	0.64	ug/L		05/09/25 15:45	05/13/25 19:18	1
Thallium	<0.57		2.0	0.57	ug/L		05/09/25 15:45	05/13/25 19:18	1
Tin	<1.3		5.0	1.3	ug/L		05/09/25 15:45	05/13/25 19:18	1
Vanadium	<2.2		5.0	2.2	ug/L		05/09/25 15:45	05/13/25 19:18	1
Zinc	<6.9		20	6.9	ug/L		05/09/25 15:45	05/13/25 19:18	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**130**		0.91	0.46	mg/L		05/09/25 15:45	05/14/25 09:43	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	**0.54**	**J**	1.0	0.45	mg/L			05/02/25 12:47	1
Nitrate as N (EPA 300.0)	<0.37		1.0	0.37	mg/L			05/02/25 12:47	1
Chloride (EPA 300.0)	**60**		1.0	0.42	mg/L			05/02/25 12:47	1
Nitrite as N (EPA 300.0)	<0.25		1.0	0.25	mg/L			05/02/25 12:47	1
Fluoride (EPA 300.0)	<0.43		1.0	0.43	mg/L			05/02/25 12:47	1
Nitrate Nitrite as N (EPA 300.0)	<0.37		1.0	0.37	mg/L			05/02/25 12:47	1
Sulfate (EPA 300.0)	**13**		1.0	0.47	mg/L			05/02/25 12:47	1
Cyanide, Total (EPA 335.4)	<0.0036		0.0050	0.0036	mg/L		05/08/25 16:11	05/09/25 16:30	1
Ammonia (EPA 350.1)	<0.10		0.20	0.10	mg/L		05/22/25 11:37	05/23/25 08:56	1
Phosphorus as P (EPA 365.1)	<0.024		0.050	0.024	mg/L		05/08/25 09:51	05/09/25 12:35	1
Alkalinity (SM 2320B)	**93**		5.0	3.7	mg/L			05/07/25 08:12	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**93**		5.0	3.7	mg/L			05/07/25 08:12	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<3.7		5.0	3.7	mg/L			05/07/25 08:12	1
Salinity (SM 2520B)	<0.33		0.33	0.33	psu			05/05/25 14:57	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267711-1

Client Sample ID: PRC-02_20250430
Date Collected: 04/30/25 14:00
Date Received: 05/02/25 09:20

Lab Sample ID: 500-267711-17
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	220		10	4.3	mg/L			05/07/25 03:12	1
Total Suspended Solids (SM 2540D)	7.2		5.0	1.9	mg/L			05/06/25 10:47	1
Sulfide (SM 4500 S2 F)	0.83	J	1.0	0.23	mg/L			05/06/25 06:04	1
Total Organic Carbon (SM 5310C)	4.3		1.0	0.47	mg/L			05/15/25 19:53	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon (SM 5310C)	4.3		1.0	0.47	mg/L			05/16/25 08:48	1

Client Sample Results

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267711-1

Client Sample ID: PRC-02_20250430_FBLL
Date Collected: 04/30/25 14:00
Date Received: 05/02/25 09:20

Lab Sample ID: 500-267711-18
Matrix: Water

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	1.2		0.50	0.20	ng/L			05/20/25 18:33	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267711-1

Client Sample ID: MLR-03_20250430

Date Collected: 04/30/25 15:00
Date Received: 05/02/25 09:20

Lab Sample ID: 500-267711-19

Matrix: Water

Method: EPA 1630 - Methyl Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	**0.045**	**J**	0.050	0.022	ng/L		05/23/25 10:57	05/23/25 23:06	1

Method: EPA 1630 - Methyl Mercury - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	**0.036**	**J**	0.050	0.022	ng/L		05/23/25 10:57	05/23/25 23:16	1

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**6.1**		0.50	0.20	ng/L			05/20/25 18:38	1

Method: EPA 1631E - Mercury, Low Level (CVAFS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**4.6**		0.50	0.20	ng/L			05/20/25 18:42	1

Method: EPA 1638 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.16**		0.050	0.0098	ug/L		05/21/25 13:55	05/22/25 18:57	1

Method: EPA 1638 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.14**		0.050	0.0098	ug/L		05/21/25 13:55	05/22/25 17:58	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**1000**		100	25	ug/L		05/09/25 15:45	05/13/25 19:20	1
Antimony	<1.3		3.0	1.3	ug/L		05/09/25 15:45	05/13/25 19:20	1
Arsenic	**0.50**	**J**	1.0	0.23	ug/L		05/09/25 15:45	05/13/25 19:20	1
Barium	**22**		2.5	0.73	ug/L		05/09/25 15:45	05/13/25 19:20	1
Beryllium	<0.53		1.0	0.53	ug/L		05/09/25 15:45	05/13/25 19:20	1
Boron	**29**	**J**	50	13	ug/L		05/09/25 15:45	05/13/25 19:20	1
Cadmium	<0.17		0.50	0.17	ug/L		05/09/25 15:45	05/13/25 19:20	1
Calcium	**9800**		200	44	ug/L		05/09/25 15:45	05/13/25 19:20	1
Chromium	**1.4**	**J**	5.0	1.1	ug/L		05/09/25 15:45	05/13/25 19:20	1
Cobalt	<0.40		1.0	0.40	ug/L		05/09/25 15:45	05/13/25 19:20	1
Copper	**43**		2.0	0.50	ug/L		05/09/25 15:45	05/13/25 19:20	1
Iron	**960**		100	47	ug/L		05/09/25 15:45	05/13/25 19:20	1
Lead	**0.43**	**J**	0.50	0.19	ug/L		05/09/25 15:45	05/13/25 19:20	1
Lithium	<2.5		10	2.5	ug/L		05/09/25 15:45	05/13/25 19:20	1
Magnesium	**2400**		200	49	ug/L		05/09/25 15:45	05/13/25 19:20	1
Manganese	**24**		2.5	0.79	ug/L		05/09/25 15:45	05/14/25 13:40	1
Molybdenum	<2.5		5.0	2.5	ug/L		05/09/25 15:45	05/13/25 19:20	1
Nickel	**1.1**	**J**	2.0	0.63	ug/L		05/09/25 15:45	05/13/25 19:20	1
Potassium	**850**		500	110	ug/L		05/09/25 15:45	05/13/25 19:20	1
Selenium	<0.98		2.5	0.98	ug/L		05/09/25 15:45	05/13/25 19:20	1
Silver	<0.12		0.50	0.12	ug/L		05/09/25 15:45	05/13/25 19:20	1
Sodium	**3200**		200	77	ug/L		05/09/25 15:45	05/13/25 19:20	1
Strontium	**25**		4.0	0.64	ug/L		05/09/25 15:45	05/13/25 19:20	1
Thallium	<0.57		2.0	0.57	ug/L		05/09/25 15:45	05/13/25 19:20	1
Tin	<1.3		5.0	1.3	ug/L		05/09/25 15:45	05/13/25 19:20	1
Vanadium	**2.3**	**J**	5.0	2.2	ug/L		05/09/25 15:45	05/13/25 19:20	1
Zinc	<6.9		20	6.9	ug/L		05/09/25 15:45	05/13/25 19:20	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267711-1

Client Sample ID: MLR-03_20250430

Date Collected: 04/30/25 15:00
Date Received: 05/02/25 09:20

Lab Sample ID: 500-267711-19

Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**650**		100	25	ug/L		05/09/25 15:45	05/13/25 19:22	1
Antimony	<1.3		3.0	1.3	ug/L		05/09/25 15:45	05/13/25 19:22	1
Arsenic	**0.44**	**J**	1.0	0.23	ug/L		05/09/25 15:45	05/13/25 19:22	1
Barium	**19**		2.5	0.73	ug/L		05/09/25 15:45	05/13/25 19:22	1
Beryllium	<0.53		1.0	0.53	ug/L		05/09/25 15:45	05/13/25 19:22	1
Boron	**25**	**J**	50	13	ug/L		05/09/25 15:45	05/13/25 19:22	1
Cadmium	<0.17		0.50	0.17	ug/L		05/09/25 15:45	05/13/25 19:22	1
Calcium	**9900**		200	44	ug/L		05/09/25 15:45	05/13/25 19:22	1
Chromium	<1.1		5.0	1.1	ug/L		05/09/25 15:45	05/13/25 19:22	1
Cobalt	<0.40		1.0	0.40	ug/L		05/09/25 15:45	05/13/25 19:22	1
Copper	**41**		2.0	0.50	ug/L		05/09/25 15:45	05/13/25 19:22	1
Iron	**660**		100	47	ug/L		05/09/25 15:45	05/13/25 19:22	1
Lead	**0.30**	**J**	0.50	0.19	ug/L		05/09/25 15:45	05/13/25 19:22	1
Lithium	<2.5		10	2.5	ug/L		05/09/25 15:45	05/13/25 19:22	1
Magnesium	**2300**		200	49	ug/L		05/09/25 15:45	05/13/25 19:22	1
Manganese	**19**		2.5	0.79	ug/L		05/09/25 15:45	05/14/25 13:47	1
Molybdenum	<2.5		5.0	2.5	ug/L		05/09/25 15:45	05/13/25 19:22	1
Nickel	**0.83**	**J**	2.0	0.63	ug/L		05/09/25 15:45	05/13/25 19:22	1
Potassium	**770**		500	110	ug/L		05/09/25 15:45	05/13/25 19:22	1
Selenium	<0.98		2.5	0.98	ug/L		05/09/25 15:45	05/13/25 19:22	1
Silver	<0.12		0.50	0.12	ug/L		05/09/25 15:45	05/13/25 19:22	1
Sodium	**3200**		200	77	ug/L		05/09/25 15:45	05/13/25 19:22	1
Strontium	**25**		4.0	0.64	ug/L		05/09/25 15:45	05/13/25 19:22	1
Thallium	<0.57		2.0	0.57	ug/L		05/09/25 15:45	05/13/25 19:22	1
Tin	<1.3		5.0	1.3	ug/L		05/09/25 15:45	05/13/25 19:22	1
Vanadium	<2.2		5.0	2.2	ug/L		05/09/25 15:45	05/13/25 19:22	1
Zinc	<6.9		20	6.9	ug/L		05/09/25 15:45	05/13/25 19:22	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**34**		0.91	0.46	mg/L		05/09/25 15:45	05/14/25 09:43	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	<0.45		1.0	0.45	mg/L			05/02/25 13:03	1
Nitrate as N (EPA 300.0)	<0.37		1.0	0.37	mg/L			05/02/25 13:03	1
Chloride (EPA 300.0)	**3.7**		1.0	0.42	mg/L			05/02/25 13:03	1
Nitrite as N (EPA 300.0)	<0.25		1.0	0.25	mg/L			05/02/25 13:03	1
Fluoride (EPA 300.0)	<0.43		1.0	0.43	mg/L			05/02/25 13:03	1
Nitrate Nitrite as N (EPA 300.0)	<0.37		1.0	0.37	mg/L			05/02/25 13:03	1
Sulfate (EPA 300.0)	**1.4**		1.0	0.47	mg/L			05/02/25 13:03	1
Cyanide, Total (EPA 335.4)	<0.0036		0.0050	0.0036	mg/L		05/08/25 16:11	05/09/25 16:31	1
Ammonia (EPA 350.1)	<0.10		0.20	0.10	mg/L		05/22/25 11:37	05/23/25 08:56	1
Phosphorus as P (EPA 365.1)	**0.030**	**J**	0.050	0.024	mg/L		05/14/25 10:23	05/19/25 11:42	1
Alkalinity (SM 2320B)	**31**		5.0	3.7	mg/L			05/07/25 08:21	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**31**		5.0	3.7	mg/L			05/07/25 08:21	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<3.7		5.0	3.7	mg/L			05/07/25 08:21	1
Salinity (SM 2520B)	<0.33		0.33	0.33	psu			05/11/25 12:45	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267711-1

Client Sample ID: MLR-03_20250430
Date Collected: 04/30/25 15:00
Date Received: 05/02/25 09:20

Lab Sample ID: 500-267711-19
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	66		10	4.3	mg/L			05/07/25 03:15	1
Total Suspended Solids (SM 2540D)	10		5.0	1.9	mg/L			05/06/25 10:42	1
Sulfide (SM 4500 S2 F)	2.1		1.0	0.23	mg/L			05/06/25 06:08	1
Total Organic Carbon (SM 5310C)	11		1.0	0.47	mg/L			05/15/25 20:25	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon (SM 5310C)	12		1.0	0.47	mg/L			05/16/25 09:20	1

Client Sample Results

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267711-1

Client Sample ID: MLR-03_20250430_FBLL
Date Collected: 04/30/25 15:00
Date Received: 05/02/25 09:20

Lab Sample ID: 500-267711-20
Matrix: Water

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.30	J	0.50	0.20	ng/L			05/20/25 18:46	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267711-1

Client Sample ID: MW-37_20250501

Date Collected: 05/01/25 10:30
Date Received: 05/02/25 09:20

Lab Sample ID: 500-267711-21

Matrix: Water

Method: EPA 1630 - Methyl Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		05/23/25 10:57	05/23/25 23:26	1

Method: EPA 1630 - Methyl Mercury - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		05/23/25 10:57	05/23/25 23:36	1

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.40**	**J**	0.50	0.20	ng/L			05/20/25 18:50	1

Method: EPA 1631E - Mercury, Low Level (CVAFS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.24**	**J**	0.50	0.20	ng/L			05/20/25 19:02	1

Method: EPA 1638 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.38**		0.050	0.0098	ug/L		05/21/25 13:55	05/22/25 19:24	1

Method: EPA 1638 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.26**		0.050	0.0098	ug/L		05/21/25 13:55	05/22/25 18:01	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**110**		100	25	ug/L		05/22/25 08:09	05/22/25 15:28	1
Antimony	<1.3		3.0	1.3	ug/L		05/22/25 08:09	05/22/25 15:28	1
Arsenic	**0.90**	**J**	1.0	0.23	ug/L		05/22/25 08:09	05/22/25 15:28	1
Barium	**120**		2.5	0.73	ug/L		05/22/25 08:09	05/22/25 15:28	1
Beryllium	<0.53		1.0	0.53	ug/L		05/22/25 08:09	05/22/25 15:28	1
Boron	**46**	**J**	50	13	ug/L		05/22/25 08:09	05/22/25 15:28	1
Cadmium	<0.17		0.50	0.17	ug/L		05/22/25 08:09	05/22/25 15:28	1
Calcium	**45000**		200	44	ug/L		05/22/25 08:09	05/23/25 12:11	1
Chromium	<1.1		5.0	1.1	ug/L		05/22/25 08:09	05/22/25 15:28	1
Cobalt	<0.40		1.0	0.40	ug/L		05/22/25 08:09	05/22/25 15:28	1
Copper	**1.2**	**J**	2.0	0.50	ug/L		05/22/25 08:09	05/22/25 15:28	1
Iron	**120**		100	47	ug/L		05/22/25 08:09	05/22/25 15:28	1
Lead	<0.19		0.50	0.19	ug/L		05/22/25 08:09	05/22/25 15:28	1
Lithium	**9.2**	**J**	10	2.5	ug/L		05/22/25 08:09	05/22/25 15:28	1
Magnesium	**9000**		200	49	ug/L		05/22/25 08:09	05/22/25 15:28	1
Manganese	**16**		2.5	0.79	ug/L		05/22/25 08:09	05/22/25 15:28	1
Molybdenum	<2.5		5.0	2.5	ug/L		05/22/25 08:09	05/22/25 15:28	1
Nickel	<0.63		2.0	0.63	ug/L		05/22/25 08:09	05/22/25 15:28	1
Potassium	**680**		500	110	ug/L		05/22/25 08:09	05/22/25 15:28	1
Selenium	<0.98		2.5	0.98	ug/L		05/22/25 08:09	05/22/25 15:28	1
Silver	<0.12		0.50	0.12	ug/L		05/22/25 08:09	05/22/25 15:28	1
Sodium	**7900**		200	77	ug/L		05/22/25 08:09	05/22/25 15:28	1
Strontium	**230**		4.0	0.64	ug/L		05/22/25 08:09	05/22/25 15:28	1
Thallium	<0.57		2.0	0.57	ug/L		05/22/25 08:09	05/22/25 15:28	1
Tin	<1.3		5.0	1.3	ug/L		05/22/25 08:09	05/22/25 15:28	1
Vanadium	**4.3**	**J**	5.0	2.2	ug/L		05/22/25 08:09	05/22/25 15:28	1
Zinc	<6.9		20	6.9	ug/L		05/22/25 08:09	05/22/25 15:28	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267711-1

Client Sample ID: MW-37_20250501

Date Collected: 05/01/25 10:30
Date Received: 05/02/25 09:20

Lab Sample ID: 500-267711-21

Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<25		100	25	ug/L		05/22/25 08:09	05/22/25 15:30	1
Antimony	<1.3		3.0	1.3	ug/L		05/22/25 08:09	05/22/25 15:30	1
Arsenic	**0.45**	**J**	1.0	0.23	ug/L		05/22/25 08:09	05/22/25 15:30	1
Barium	**140**		2.5	0.73	ug/L		05/22/25 08:09	05/22/25 15:30	1
Beryllium	<0.53		1.0	0.53	ug/L		05/22/25 08:09	05/22/25 15:30	1
Boron	**25**	**J**	50	13	ug/L		05/22/25 08:09	05/22/25 15:30	1
Cadmium	<0.17		0.50	0.17	ug/L		05/22/25 08:09	05/22/25 15:30	1
Calcium	**34000**		200	44	ug/L		05/22/25 08:09	05/23/25 12:13	1
Chromium	<1.1		5.0	1.1	ug/L		05/22/25 08:09	05/22/25 15:30	1
Cobalt	<0.40		1.0	0.40	ug/L		05/22/25 08:09	05/22/25 15:30	1
Copper	**0.98**	**J**	2.0	0.50	ug/L		05/22/25 08:09	05/22/25 15:30	1
Iron	<47		100	47	ug/L		05/22/25 08:09	05/22/25 15:30	1
Lead	<0.19		0.50	0.19	ug/L		05/22/25 08:09	05/22/25 15:30	1
Lithium	**7.7**	**J**	10	2.5	ug/L		05/22/25 08:09	05/22/25 15:30	1
Magnesium	**7900**		200	49	ug/L		05/22/25 08:09	05/22/25 15:30	1
Manganese	<0.79		2.5	0.79	ug/L		05/22/25 08:09	05/22/25 15:30	1
Molybdenum	<2.5		5.0	2.5	ug/L		05/22/25 08:09	05/22/25 15:30	1
Nickel	<0.63		2.0	0.63	ug/L		05/22/25 08:09	05/22/25 15:30	1
Potassium	**420**	**J**	500	110	ug/L		05/22/25 08:09	05/22/25 15:30	1
Selenium	<0.98		2.5	0.98	ug/L		05/22/25 08:09	05/22/25 15:30	1
Silver	<0.12		0.50	0.12	ug/L		05/22/25 08:09	05/22/25 15:30	1
Sodium	**7300**		200	77	ug/L		05/22/25 08:09	05/22/25 15:30	1
Strontium	**96**		4.0	0.64	ug/L		05/22/25 08:09	05/22/25 15:30	1
Thallium	<0.57		2.0	0.57	ug/L		05/22/25 08:09	05/22/25 15:30	1
Tin	<1.3		5.0	1.3	ug/L		05/22/25 08:09	05/22/25 15:30	1
Vanadium	**2.5**	**J**	5.0	2.2	ug/L		05/22/25 08:09	05/22/25 15:30	1
Zinc	<6.9		20	6.9	ug/L		05/22/25 08:09	05/22/25 15:30	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**150**		0.91	0.46	mg/L		05/22/25 08:09	05/23/25 08:50	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	<0.45		1.0	0.45	mg/L			05/02/25 15:20	1
Nitrate as N (EPA 300.0)	<0.37		1.0	0.37	mg/L			05/02/25 15:20	1
Chloride (EPA 300.0)	**20**		1.0	0.42	mg/L			05/02/25 15:20	1
Nitrite as N (EPA 300.0)	<0.25		1.0	0.25	mg/L			05/02/25 15:20	1
Fluoride (EPA 300.0)	<0.43		1.0	0.43	mg/L			05/02/25 15:20	1
Nitrate Nitrite as N (EPA 300.0)	<0.37		1.0	0.37	mg/L			05/02/25 15:20	1
Sulfate (EPA 300.0)	**1.3**		1.0	0.47	mg/L			05/02/25 15:20	1
Cyanide, Total (EPA 335.4)	<0.0036		0.0050	0.0036	mg/L		05/08/25 16:11	05/09/25 16:31	1
Ammonia (EPA 350.1)	<0.10		0.20	0.10	mg/L		05/22/25 11:37	05/23/25 08:57	1
Phosphorus as P (EPA 365.1)	**0.026**	**J**	0.050	0.024	mg/L		05/14/25 10:23	05/19/25 11:43	1
Alkalinity (SM 2320B)	**120**		5.0	3.7	mg/L			05/07/25 08:31	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**120**		5.0	3.7	mg/L			05/07/25 08:31	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<3.7		5.0	3.7	mg/L			05/07/25 08:31	1
Salinity (SM 2520B)	<0.33		0.33	0.33	psu			05/08/25 07:50	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267711-1

Client Sample ID: MW-37_20250501
Date Collected: 05/01/25 10:30
Date Received: 05/02/25 09:20

Lab Sample ID: 500-267711-21
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**160**		10	4.3	mg/L			05/07/25 03:17	1
Total Suspended Solids (SM 2540D)	<1.9		5.0	1.9	mg/L			05/06/25 15:00	1
Sulfide (SM 4500 S2 F)	<0.23		1.0	0.23	mg/L			05/07/25 23:04	1
Total Organic Carbon (SM 5310C)	**1.7**		1.0	0.47	mg/L			05/15/25 20:57	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon (SM 5310C)	**1.6**		1.0	0.47	mg/L			05/16/25 09:52	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267711-1

Client Sample ID: MW-37_20250501_FBLL
Date Collected: 05/01/25 10:30
Date Received: 05/02/25 09:20

Lab Sample ID: 500-267711-22
Matrix: Water

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			05/20/25 19:07	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267711-1

Client Sample ID: MW-41_20250501

Date Collected: 05/01/25 08:45
Date Received: 05/02/25 09:20

Lab Sample ID: 500-267711-23

Matrix: Water

Method: EPA 1630 - Methyl Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		05/23/25 10:57	05/23/25 23:47	1

Method: EPA 1630 - Methyl Mercury - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		05/23/25 10:57	05/23/25 23:57	1

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**2.9**		0.50	0.20	ng/L			05/20/25 19:11	1

Method: EPA 1631E - Mercury, Low Level (CVAFS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.45**	**J**	0.50	0.20	ng/L			05/20/25 20:42	1

Method: EPA 1638 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**12**		0.050	0.0098	ug/L		05/21/25 13:55	05/22/25 19:35	1

Method: EPA 1638 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**13**		0.050	0.0098	ug/L		05/21/25 13:55	05/22/25 18:05	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**730**		100	25	ug/L		05/09/25 15:45	05/13/25 19:25	1
Antimony	<1.3		3.0	1.3	ug/L		05/09/25 15:45	05/13/25 19:25	1
Arsenic	**0.55**	**J**	1.0	0.23	ug/L		05/09/25 15:45	05/13/25 19:25	1
Barium	**90**		2.5	0.73	ug/L		05/09/25 15:45	05/13/25 19:25	1
Beryllium	<0.53		1.0	0.53	ug/L		05/09/25 15:45	05/13/25 19:25	1
Boron	**1300**		50	13	ug/L		05/09/25 15:45	05/13/25 19:25	1
Cadmium	<0.17		0.50	0.17	ug/L		05/09/25 15:45	05/13/25 19:25	1
Calcium	**47000**		200	44	ug/L		05/09/25 15:45	05/13/25 19:25	1
Chromium	**1.8**	**J**	5.0	1.1	ug/L		05/09/25 15:45	05/13/25 19:25	1
Cobalt	**0.87**	**J**	1.0	0.40	ug/L		05/09/25 15:45	05/13/25 19:25	1
Copper	**3.0**		2.0	0.50	ug/L		05/09/25 15:45	05/13/25 19:25	1
Iron	**850**		100	47	ug/L		05/09/25 15:45	05/13/25 19:25	1
Lead	**0.24**	**J**	0.50	0.19	ug/L		05/09/25 15:45	05/13/25 19:25	1
Lithium	**4.9**	**J**	10	2.5	ug/L		05/09/25 15:45	05/13/25 19:25	1
Magnesium	**3100**		200	49	ug/L		05/09/25 15:45	05/13/25 19:25	1
Manganese	**57**		2.5	0.79	ug/L		05/09/25 15:45	05/14/25 13:49	1
Molybdenum	**17**		5.0	2.5	ug/L		05/09/25 15:45	05/13/25 19:25	1
Nickel	**1.2**	**J**	2.0	0.63	ug/L		05/09/25 15:45	05/13/25 19:25	1
Potassium	**1300**		500	110	ug/L		05/09/25 15:45	05/13/25 19:25	1
Selenium	<0.98		2.5	0.98	ug/L		05/09/25 15:45	05/13/25 19:25	1
Silver	<0.12		0.50	0.12	ug/L		05/09/25 15:45	05/13/25 19:25	1
Sodium	**66000**		200	77	ug/L		05/09/25 15:45	05/13/25 19:25	1
Strontium	**830**		4.0	0.64	ug/L		05/09/25 15:45	05/13/25 19:25	1
Thallium	<0.57		2.0	0.57	ug/L		05/09/25 15:45	05/13/25 19:25	1
Tin	<1.3		5.0	1.3	ug/L		05/09/25 15:45	05/13/25 19:25	1
Vanadium	**3.1**	**J**	5.0	2.2	ug/L		05/09/25 15:45	05/13/25 19:25	1
Zinc	<6.9		20	6.9	ug/L		05/09/25 15:45	05/13/25 19:25	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267711-1

Client Sample ID: MW-41_20250501

Date Collected: 05/01/25 08:45
Date Received: 05/02/25 09:20

Lab Sample ID: 500-267711-23

Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<25		100	25	ug/L		05/09/25 15:45	05/13/25 19:27	1
Antimony	<1.3		3.0	1.3	ug/L		05/09/25 15:45	05/13/25 19:27	1
Arsenic	**0.37**	**J**	1.0	0.23	ug/L		05/09/25 15:45	05/13/25 19:27	1
Barium	**76**		2.5	0.73	ug/L		05/09/25 15:45	05/13/25 19:27	1
Beryllium	<0.53		1.0	0.53	ug/L		05/09/25 15:45	05/13/25 19:27	1
Boron	**1200**		50	13	ug/L		05/09/25 15:45	05/13/25 19:27	1
Cadmium	<0.17		0.50	0.17	ug/L		05/09/25 15:45	05/13/25 19:27	1
Calcium	**45000**		200	44	ug/L		05/09/25 15:45	05/13/25 19:27	1
Chromium	<1.1		5.0	1.1	ug/L		05/09/25 15:45	05/13/25 19:27	1
Cobalt	<0.40		1.0	0.40	ug/L		05/09/25 15:45	05/13/25 19:27	1
Copper	**1.2**	**J**	2.0	0.50	ug/L		05/09/25 15:45	05/13/25 19:27	1
Iron	<47		100	47	ug/L		05/09/25 15:45	05/13/25 19:27	1
Lead	<0.19		0.50	0.19	ug/L		05/09/25 15:45	05/13/25 19:27	1
Lithium	**4.0**	**J**	10	2.5	ug/L		05/09/25 15:45	05/13/25 19:27	1
Magnesium	**2800**		200	49	ug/L		05/09/25 15:45	05/13/25 19:27	1
Manganese	**1.7**	**J**	2.5	0.79	ug/L		05/09/25 15:45	05/14/25 13:52	1
Molybdenum	**16**		5.0	2.5	ug/L		05/09/25 15:45	05/13/25 19:27	1
Nickel	<0.63		2.0	0.63	ug/L		05/09/25 15:45	05/13/25 19:27	1
Potassium	**1100**		500	110	ug/L		05/09/25 15:45	05/13/25 19:27	1
Selenium	<0.98		2.5	0.98	ug/L		05/09/25 15:45	05/13/25 19:27	1
Silver	<0.12		0.50	0.12	ug/L		05/09/25 15:45	05/13/25 19:27	1
Sodium	**64000**		200	77	ug/L		05/09/25 15:45	05/13/25 19:27	1
Strontium	**800**		4.0	0.64	ug/L		05/09/25 15:45	05/13/25 19:27	1
Thallium	<0.57		2.0	0.57	ug/L		05/09/25 15:45	05/13/25 19:27	1
Tin	<1.3		5.0	1.3	ug/L		05/09/25 15:45	05/13/25 19:27	1
Vanadium	<2.2		5.0	2.2	ug/L		05/09/25 15:45	05/13/25 19:27	1
Zinc	<6.9		20	6.9	ug/L		05/09/25 15:45	05/13/25 19:27	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**130**		0.91	0.46	mg/L		05/09/25 15:45	05/14/25 09:43	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	**0.62**	**J**	1.0	0.45	mg/L			05/02/25 15:36	1
Nitrate as N (EPA 300.0)	<0.37		1.0	0.37	mg/L			05/02/25 15:36	1
Chloride (EPA 300.0)	**65**		1.0	0.42	mg/L			05/02/25 15:36	1
Nitrite as N (EPA 300.0)	<0.25		1.0	0.25	mg/L			05/02/25 15:36	1
Fluoride (EPA 300.0)	<0.43		1.0	0.43	mg/L			05/02/25 15:36	1
Nitrate Nitrite as N (EPA 300.0)	<0.37		1.0	0.37	mg/L			05/02/25 15:36	1
Sulfate (EPA 300.0)	**22**		1.0	0.47	mg/L			05/02/25 15:36	1
Cyanide, Total (EPA 335.4)	<0.0036		0.0050	0.0036	mg/L		05/08/25 16:11	05/09/25 16:34	1
Ammonia (EPA 350.1)	<0.10		0.20	0.10	mg/L		05/22/25 11:37	05/23/25 08:58	1
Phosphorus as P (EPA 365.1)	**0.093**		0.050	0.024	mg/L		05/14/25 10:23	05/19/25 11:46	1
Alkalinity (SM 2320B)	**160**		5.0	3.7	mg/L			05/07/25 08:40	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**160**		5.0	3.7	mg/L			05/07/25 08:40	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<3.7		5.0	3.7	mg/L			05/07/25 08:40	1
Salinity (SM 2520B)	<0.33		0.33	0.33	psu			05/08/25 07:50	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267711-1

Client Sample ID: MW-41_20250501
Date Collected: 05/01/25 08:45
Date Received: 05/02/25 09:20

Lab Sample ID: 500-267711-23
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	290		10	4.3	mg/L			05/07/25 03:20	1
Total Suspended Solids (SM 2540D)	7.8		5.0	1.9	mg/L			05/06/25 15:04	1
Sulfide (SM 4500 S2 F)	<0.23		1.0	0.23	mg/L			05/07/25 23:07	1
Total Organic Carbon (SM 5310C)	1.6		1.0	0.47	mg/L			05/15/25 21:29	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon (SM 5310C)	1.6		1.0	0.47	mg/L			05/16/25 10:24	1

Client Sample Results

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267711-1

Client Sample ID: MW-41_20250501_FBLL
Date Collected: 05/01/25 08:45
Date Received: 05/02/25 09:20

Lab Sample ID: 500-267711-24
Matrix: Water

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.23	J	0.50	0.20	ng/L			05/20/25 20:46	1

Client Sample ID: TBN-01_20250501
Date Collected: 05/01/25 11:45
Date Received: 05/02/25 09:20

Lab Sample ID: 500-267711-25
Matrix: Water

Method: EPA 1630 - Methyl Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		05/23/25 10:57	05/24/25 00:27	1

Method: EPA 1630 - Methyl Mercury - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		05/23/25 10:57	05/24/25 00:38	1

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**1.1**		0.50	0.20	ng/L			05/20/25 20:50	1

Method: EPA 1631E - Mercury, Low Level (CVAFS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.52**		0.50	0.20	ng/L			05/20/25 20:54	1

Method: EPA 1638 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.40**		0.050	0.0098	ug/L		05/21/25 13:55	05/22/25 19:46	1

Method: EPA 1638 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.38**		0.050	0.0098	ug/L		05/21/25 13:55	05/22/25 18:09	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**790**		100	25	ug/L		05/09/25 15:45	05/13/25 19:30	1
Antimony	<1.3		3.0	1.3	ug/L		05/09/25 15:45	05/13/25 19:30	1
Arsenic	**0.76**	**J**	1.0	0.23	ug/L		05/09/25 15:45	05/13/25 19:30	1
Barium	**53**		2.5	0.73	ug/L		05/09/25 15:45	05/13/25 19:30	1
Beryllium	<0.53		1.0	0.53	ug/L		05/09/25 15:45	05/13/25 19:30	1
Boron	**140**		50	13	ug/L		05/09/25 15:45	05/13/25 19:30	1
Cadmium	<0.17		0.50	0.17	ug/L		05/09/25 15:45	05/13/25 19:30	1
Calcium	**45000**		200	44	ug/L		05/09/25 15:45	05/13/25 19:30	1
Chromium	**2.1**	**J**	5.0	1.1	ug/L		05/09/25 15:45	05/13/25 19:30	1
Cobalt	**0.55**	**J**	1.0	0.40	ug/L		05/09/25 15:45	05/13/25 19:30	1
Copper	**82**		2.0	0.50	ug/L		05/09/25 15:45	05/13/25 19:30	1
Iron	**1300**		100	47	ug/L		05/09/25 15:45	05/13/25 19:30	1
Lead	**0.28**	**J**	0.50	0.19	ug/L		05/09/25 15:45	05/13/25 19:30	1
Lithium	**19**		10	2.5	ug/L		05/09/25 15:45	05/13/25 19:30	1
Magnesium	**5900**		200	49	ug/L		05/09/25 15:45	05/13/25 19:30	1
Manganese	**28**		2.5	0.79	ug/L		05/09/25 15:45	05/14/25 13:54	1
Molybdenum	**26**		5.0	2.5	ug/L		05/09/25 15:45	05/13/25 19:30	1
Nickel	**1.3**	**J**	2.0	0.63	ug/L		05/09/25 15:45	05/13/25 19:30	1
Potassium	**3700**		500	110	ug/L		05/09/25 15:45	05/13/25 19:30	1
Selenium	<0.98		2.5	0.98	ug/L		05/09/25 15:45	05/13/25 19:30	1
Silver	<0.12		0.50	0.12	ug/L		05/09/25 15:45	05/13/25 19:30	1
Sodium	**25000**		200	77	ug/L		05/09/25 15:45	05/13/25 19:30	1
Strontium	**410**		4.0	0.64	ug/L		05/09/25 15:45	05/13/25 19:30	1
Thallium	<0.57		2.0	0.57	ug/L		05/09/25 15:45	05/13/25 19:30	1
Tin	<1.3		5.0	1.3	ug/L		05/09/25 15:45	05/13/25 19:30	1
Vanadium	**2.8**	**J**	5.0	2.2	ug/L		05/09/25 15:45	05/13/25 19:30	1
Zinc	<6.9		20	6.9	ug/L		05/09/25 15:45	05/13/25 19:30	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267711-1

Client Sample ID: TBN-01_20250501

Date Collected: 05/01/25 11:45
Date Received: 05/02/25 09:20

Lab Sample ID: 500-267711-25

Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<25		100	25	ug/L		05/09/25 15:45	05/13/25 19:32	1
Antimony	<1.3		3.0	1.3	ug/L		05/09/25 15:45	05/13/25 19:32	1
Arsenic	**0.65**	**J**	1.0	0.23	ug/L		05/09/25 15:45	05/13/25 19:32	1
Barium	**46**		2.5	0.73	ug/L		05/09/25 15:45	05/13/25 19:32	1
Beryllium	<0.53		1.0	0.53	ug/L		05/09/25 15:45	05/13/25 19:32	1
Boron	**130**		50	13	ug/L		05/09/25 15:45	05/13/25 19:32	1
Cadmium	<0.17		0.50	0.17	ug/L		05/09/25 15:45	05/13/25 19:32	1
Calcium	**43000**		200	44	ug/L		05/09/25 15:45	05/13/25 19:32	1
Chromium	<1.1		5.0	1.1	ug/L		05/09/25 15:45	05/13/25 19:32	1
Cobalt	<0.40		1.0	0.40	ug/L		05/09/25 15:45	05/13/25 19:32	1
Copper	**30**		2.0	0.50	ug/L		05/09/25 15:45	05/13/25 19:32	1
Iron	<47		100	47	ug/L		05/09/25 15:45	05/13/25 19:32	1
Lead	<0.19		0.50	0.19	ug/L		05/09/25 15:45	05/13/25 19:32	1
Lithium	**18**		10	2.5	ug/L		05/09/25 15:45	05/13/25 19:32	1
Magnesium	**5200**		200	49	ug/L		05/09/25 15:45	05/13/25 19:32	1
Manganese	**1.2**	**J**	2.5	0.79	ug/L		05/09/25 15:45	05/14/25 13:57	1
Molybdenum	**25**		5.0	2.5	ug/L		05/09/25 15:45	05/13/25 19:32	1
Nickel	<0.63		2.0	0.63	ug/L		05/09/25 15:45	05/13/25 19:32	1
Potassium	**3300**		500	110	ug/L		05/09/25 15:45	05/13/25 19:32	1
Selenium	<0.98		2.5	0.98	ug/L		05/09/25 15:45	05/13/25 19:32	1
Silver	<0.12		0.50	0.12	ug/L		05/09/25 15:45	05/13/25 19:32	1
Sodium	**24000**		200	77	ug/L		05/09/25 15:45	05/13/25 19:32	1
Strontium	**390**		4.0	0.64	ug/L		05/09/25 15:45	05/13/25 19:32	1
Thallium	<0.57		2.0	0.57	ug/L		05/09/25 15:45	05/13/25 19:32	1
Tin	<1.3		5.0	1.3	ug/L		05/09/25 15:45	05/13/25 19:32	1
Vanadium	<2.2		5.0	2.2	ug/L		05/09/25 15:45	05/13/25 19:32	1
Zinc	<6.9		20	6.9	ug/L		05/09/25 15:45	05/13/25 19:32	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**140**		0.91	0.46	mg/L		05/09/25 15:45	05/14/25 09:43	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	**0.54**	**J**	1.0	0.45	mg/L			05/02/25 15:51	1
Nitrate as N (EPA 300.0)	<0.37		1.0	0.37	mg/L			05/02/25 15:51	1
Chloride (EPA 300.0)	**60**		1.0	0.42	mg/L			05/02/25 15:51	1
Nitrite as N (EPA 300.0)	<0.25		1.0	0.25	mg/L			05/02/25 15:51	1
Fluoride (EPA 300.0)	<0.43		1.0	0.43	mg/L			05/02/25 15:51	1
Nitrate Nitrite as N (EPA 300.0)	<0.37		1.0	0.37	mg/L			05/02/25 15:51	1
Sulfate (EPA 300.0)	**14**		1.0	0.47	mg/L			05/02/25 15:51	1
Cyanide, Total (EPA 335.4)	<0.0036		0.0050	0.0036	mg/L		05/08/25 16:11	05/09/25 16:35	1
Ammonia (EPA 350.1)	<0.10		0.20	0.10	mg/L		05/22/25 11:37	05/23/25 08:58	1
Phosphorus as P (EPA 365.1)	<0.024		0.050	0.024	mg/L		05/14/25 10:23	05/19/25 11:47	1
Alkalinity (SM 2320B)	**85**		5.0	3.7	mg/L			05/08/25 15:09	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**85**		5.0	3.7	mg/L			05/08/25 15:09	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<3.7		5.0	3.7	mg/L			05/08/25 15:09	1
Salinity (SM 2520B)	<0.33		0.33	0.33	psu			05/08/25 07:50	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267711-1

Client Sample ID: TBN-01_20250501
Date Collected: 05/01/25 11:45
Date Received: 05/02/25 09:20

Lab Sample ID: 500-267711-25
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	240		10	4.3	mg/L			05/07/25 03:22	1
Total Suspended Solids (SM 2540D)	4.2	J	5.0	1.9	mg/L			05/06/25 15:08	1
Sulfide (SM 4500 S2 F)	<0.23		1.0	0.23	mg/L			05/07/25 23:11	1
Total Organic Carbon (SM 5310C)	4.2		1.0	0.47	mg/L			05/15/25 22:02	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon (SM 5310C)	4.2		1.0	0.47	mg/L			05/16/25 10:56	1

Client Sample Results

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267711-1

Client Sample ID: TBN-01_20250501_FBLL
Date Collected: 05/01/25 11:45
Date Received: 05/02/25 09:20

Lab Sample ID: 500-267711-26
Matrix: Water

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			05/20/25 20:59	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267711-1

Client Sample ID: TBS-01_20250501

Date Collected: 05/01/25 11:15
Date Received: 05/02/25 09:20

Lab Sample ID: 500-267711-27

Matrix: Water

Method: EPA 1630 - Methyl Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		05/23/25 10:57	05/24/25 00:48	1

Method: EPA 1630 - Methyl Mercury - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		05/23/25 10:57	05/24/25 00:58	1

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**1.0**		0.50	0.20	ng/L			05/20/25 21:03	1

Method: EPA 1631E - Mercury, Low Level (CVAFS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.70**		0.50	0.20	ng/L			05/20/25 21:07	1

Method: EPA 1638 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.25**		0.050	0.0098	ug/L		05/21/25 13:55	05/22/25 19:50	1

Method: EPA 1638 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.27**		0.050	0.0098	ug/L		05/21/25 13:55	05/22/25 18:12	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**150**		100	25	ug/L		05/09/25 15:45	05/13/25 19:34	1
Antimony	<1.3		3.0	1.3	ug/L		05/09/25 15:45	05/13/25 19:34	1
Arsenic	**0.41**	**J**	1.0	0.23	ug/L		05/09/25 15:45	05/13/25 19:34	1
Barium	**53**		2.5	0.73	ug/L		05/09/25 15:45	05/13/25 19:34	1
Beryllium	<0.53		1.0	0.53	ug/L		05/09/25 15:45	05/13/25 19:34	1
Boron	**230**		50	13	ug/L		05/09/25 15:45	05/13/25 19:34	1
Cadmium	<0.17		0.50	0.17	ug/L		05/09/25 15:45	05/13/25 19:34	1
Calcium	**64000**		200	44	ug/L		05/09/25 15:45	05/13/25 19:34	1
Chromium	<1.1		5.0	1.1	ug/L		05/09/25 15:45	05/13/25 19:34	1
Cobalt	<0.40		1.0	0.40	ug/L		05/09/25 15:45	05/13/25 19:34	1
Copper	**43**		2.0	0.50	ug/L		05/09/25 15:45	05/13/25 19:34	1
Iron	**250**		100	47	ug/L		05/09/25 15:45	05/13/25 19:34	1
Lead	<0.19		0.50	0.19	ug/L		05/09/25 15:45	05/13/25 19:34	1
Lithium	**23**		10	2.5	ug/L		05/09/25 15:45	05/13/25 19:34	1
Magnesium	**5400**		200	49	ug/L		05/09/25 15:45	05/13/25 19:34	1
Manganese	**8.3**		2.5	0.79	ug/L		05/09/25 15:45	05/14/25 13:59	1
Molybdenum	**5.4**		5.0	2.5	ug/L		05/09/25 15:45	05/13/25 19:34	1
Nickel	<0.63		2.0	0.63	ug/L		05/09/25 15:45	05/13/25 19:34	1
Potassium	**3300**		500	110	ug/L		05/09/25 15:45	05/13/25 19:34	1
Selenium	<0.98		2.5	0.98	ug/L		05/09/25 15:45	05/13/25 19:34	1
Silver	<0.12		0.50	0.12	ug/L		05/09/25 15:45	05/13/25 19:34	1
Sodium	**51000**		200	77	ug/L		05/09/25 15:45	05/13/25 19:34	1
Strontium	**660**		4.0	0.64	ug/L		05/09/25 15:45	05/13/25 19:34	1
Thallium	<0.57		2.0	0.57	ug/L		05/09/25 15:45	05/13/25 19:34	1
Tin	<1.3		5.0	1.3	ug/L		05/09/25 15:45	05/13/25 19:34	1
Vanadium	<2.2		5.0	2.2	ug/L		05/09/25 15:45	05/13/25 19:34	1
Zinc	<6.9		20	6.9	ug/L		05/09/25 15:45	05/13/25 19:34	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267711-1

Client Sample ID: TBS-01_20250501

Date Collected: 05/01/25 11:15
Date Received: 05/02/25 09:20

Lab Sample ID: 500-267711-27

Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<25		100	25	ug/L		05/09/25 15:45	05/13/25 19:42	1
Antimony	<1.3		3.0	1.3	ug/L		05/09/25 15:45	05/13/25 19:42	1
Arsenic	**0.42**	**J**	1.0	0.23	ug/L		05/09/25 15:45	05/13/25 19:42	1
Barium	**53**		2.5	0.73	ug/L		05/09/25 15:45	05/13/25 19:42	1
Beryllium	<0.53		1.0	0.53	ug/L		05/09/25 15:45	05/13/25 19:42	1
Boron	**220**		50	13	ug/L		05/09/25 15:45	05/13/25 19:42	1
Cadmium	<0.17		0.50	0.17	ug/L		05/09/25 15:45	05/13/25 19:42	1
Calcium	**64000**		200	44	ug/L		05/09/25 15:45	05/13/25 19:42	1
Chromium	<1.1		5.0	1.1	ug/L		05/09/25 15:45	05/13/25 19:42	1
Cobalt	<0.40		1.0	0.40	ug/L		05/09/25 15:45	05/13/25 19:42	1
Copper	**35**		2.0	0.50	ug/L		05/09/25 15:45	05/13/25 19:42	1
Iron	<47		100	47	ug/L		05/09/25 15:45	05/13/25 19:42	1
Lead	<0.19		0.50	0.19	ug/L		05/09/25 15:45	05/13/25 19:42	1
Lithium	**22**		10	2.5	ug/L		05/09/25 15:45	05/13/25 19:42	1
Magnesium	**5300**		200	49	ug/L		05/09/25 15:45	05/13/25 19:42	1
Manganese	**4.1**		2.5	0.79	ug/L		05/09/25 15:45	05/14/25 14:01	1
Molybdenum	**5.5**		5.0	2.5	ug/L		05/09/25 15:45	05/13/25 19:42	1
Nickel	<0.63		2.0	0.63	ug/L		05/09/25 15:45	05/13/25 19:42	1
Potassium	**3400**		500	110	ug/L		05/09/25 15:45	05/13/25 19:42	1
Selenium	<0.98		2.5	0.98	ug/L		05/09/25 15:45	05/13/25 19:42	1
Silver	<0.12		0.50	0.12	ug/L		05/09/25 15:45	05/13/25 19:42	1
Sodium	**49000**		200	77	ug/L		05/09/25 15:45	05/13/25 19:42	1
Strontium	**660**		4.0	0.64	ug/L		05/09/25 15:45	05/13/25 19:42	1
Thallium	<0.57		2.0	0.57	ug/L		05/09/25 15:45	05/13/25 19:42	1
Tin	<1.3		5.0	1.3	ug/L		05/09/25 15:45	05/13/25 19:42	1
Vanadium	<2.2		5.0	2.2	ug/L		05/09/25 15:45	05/13/25 19:42	1
Zinc	<6.9		20	6.9	ug/L		05/09/25 15:45	05/13/25 19:42	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**180**		0.91	0.46	mg/L		05/09/25 15:45	05/14/25 09:43	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	**1.2**		1.0	0.45	mg/L			05/02/25 16:06	1
Nitrate as N (EPA 300.0)	<0.37		1.0	0.37	mg/L			05/02/25 16:06	1
Chloride (EPA 300.0)	**130**		1.0	0.42	mg/L			05/02/25 16:06	1
Nitrite as N (EPA 300.0)	<0.25		1.0	0.25	mg/L			05/02/25 16:06	1
Fluoride (EPA 300.0)	<0.43		1.0	0.43	mg/L			05/02/25 16:06	1
Nitrate Nitrite as N (EPA 300.0)	<0.37		1.0	0.37	mg/L			05/02/25 16:06	1
Sulfate (EPA 300.0)	**25**		1.0	0.47	mg/L			05/02/25 16:06	1
Cyanide, Total (EPA 335.4)	<0.0036		0.0050	0.0036	mg/L		05/08/25 16:11	05/09/25 16:36	1
Ammonia (EPA 350.1)	<0.10		0.20	0.10	mg/L		05/22/25 11:37	05/23/25 08:59	1
Phosphorus as P (EPA 365.1)	<0.024		0.050	0.024	mg/L		05/14/25 10:23	05/19/25 11:50	1
Alkalinity (SM 2320B)	**84**		5.0	3.7	mg/L			05/08/25 15:18	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**84**		5.0	3.7	mg/L			05/08/25 15:18	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<3.7		5.0	3.7	mg/L			05/08/25 15:18	1
Salinity (SM 2520B)	<0.33		0.33	0.33	psu			05/08/25 07:50	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267711-1

Client Sample ID: TBS-01_20250501
Date Collected: 05/01/25 11:15
Date Received: 05/02/25 09:20

Lab Sample ID: 500-267711-27
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	400		10	4.3	mg/L			05/07/25 03:25	1
Total Suspended Solids (SM 2540D)	4.0	J	5.0	1.9	mg/L			05/06/25 15:16	1
Sulfide (SM 4500 S2 F)	<0.23		1.0	0.23	mg/L			05/07/25 23:15	1
Total Organic Carbon (SM 5310C)	6.0		1.0	0.47	mg/L			05/15/25 22:34	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon (SM 5310C)	5.0		1.0	0.47	mg/L			05/16/25 11:29	1

Client Sample Results

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267711-1

Client Sample ID: TBS-01_20250501_FBLL

Lab Sample ID: 500-267711-28

Date Collected: 05/01/25 11:15
Matrix: Water
Date Received: 05/02/25 09:20

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.34	J	0.50	0.20	ng/L			05/20/25 21:11	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267711-1

Client Sample ID: LKS-02_20250501

Date Collected: 05/01/25 08:00
Date Received: 05/02/25 09:20

Lab Sample ID: 500-267711-29

Matrix: Water

Method: EPA 1630 - Methyl Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	**0.038**	**J**	0.050	0.022	ng/L		05/23/25 10:57	05/23/25 21:44	1

Method: EPA 1630 - Methyl Mercury - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		05/23/25 10:57	05/24/25 01:08	1

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**2.3**		0.50	0.20	ng/L			05/27/25 17:00	1

Method: EPA 1631E - Mercury, Low Level (CVAFS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**1.4**		0.50	0.20	ng/L			05/27/25 17:25	1

Method: EPA 1638 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.11**		0.050	0.0098	ug/L		05/21/25 13:55	05/22/25 19:54	1

Method: EPA 1638 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.091**		0.050	0.0098	ug/L		05/21/25 13:55	05/22/25 17:28	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**590**		100	25	ug/L		05/09/25 15:45	05/13/25 19:44	1
Antimony	<1.3		3.0	1.3	ug/L		05/09/25 15:45	05/13/25 19:44	1
Arsenic	**0.40**	**J**	1.0	0.23	ug/L		05/09/25 15:45	05/13/25 19:44	1
Barium	**18**		2.5	0.73	ug/L		05/09/25 15:45	05/13/25 19:44	1
Beryllium	<0.53		1.0	0.53	ug/L		05/09/25 15:45	05/13/25 19:44	1
Boron	**26**	**J**	50	13	ug/L		05/09/25 15:45	05/13/25 19:44	1
Cadmium	<0.17		0.50	0.17	ug/L		05/09/25 15:45	05/13/25 19:44	1
Calcium	**13000**		200	44	ug/L		05/09/25 15:45	05/13/25 19:44	1
Chromium	<1.1		5.0	1.1	ug/L		05/09/25 15:45	05/13/25 19:44	1
Cobalt	<0.40		1.0	0.40	ug/L		05/09/25 15:45	05/13/25 19:44	1
Copper	**4.7**		2.0	0.50	ug/L		05/09/25 15:45	05/13/25 19:44	1
Iron	**530**		100	47	ug/L		05/09/25 15:45	05/13/25 19:44	1
Lead	**0.24**	**J**	0.50	0.19	ug/L		05/09/25 15:45	05/13/25 19:44	1
Lithium	<2.5		10	2.5	ug/L		05/09/25 15:45	05/13/25 19:44	1
Magnesium	**2900**		200	49	ug/L		05/09/25 15:45	05/13/25 19:44	1
Manganese	**13**		2.5	0.79	ug/L		05/09/25 15:45	05/14/25 14:04	1
Molybdenum	<2.5		5.0	2.5	ug/L		05/09/25 15:45	05/13/25 19:44	1
Nickel	**0.78**	**J**	2.0	0.63	ug/L		05/09/25 15:45	05/13/25 19:44	1
Potassium	**710**		500	110	ug/L		05/09/25 15:45	05/13/25 19:44	1
Selenium	<0.98		2.5	0.98	ug/L		05/09/25 15:45	05/13/25 19:44	1
Silver	<0.12		0.50	0.12	ug/L		05/09/25 15:45	05/13/25 19:44	1
Sodium	**1900**		200	77	ug/L		05/09/25 15:45	05/13/25 19:44	1
Strontium	**26**		4.0	0.64	ug/L		05/09/25 15:45	05/13/25 19:44	1
Thallium	<0.57		2.0	0.57	ug/L		05/09/25 15:45	05/13/25 19:44	1
Tin	<1.3		5.0	1.3	ug/L		05/09/25 15:45	05/13/25 19:44	1
Vanadium	<2.2		5.0	2.2	ug/L		05/09/25 15:45	05/13/25 19:44	1
Zinc	<6.9		20	6.9	ug/L		05/09/25 15:45	05/13/25 19:44	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267711-1

Client Sample ID: LKS-02_20250501

Date Collected: 05/01/25 08:00
Date Received: 05/02/25 09:20

Lab Sample ID: 500-267711-29

Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**37**	**J**	100	25	ug/L		05/09/25 15:45	05/13/25 19:47	1
Antimony	<1.3		3.0	1.3	ug/L		05/09/25 15:45	05/13/25 19:47	1
Arsenic	**0.31**	**J**	1.0	0.23	ug/L		05/09/25 15:45	05/13/25 19:47	1
Barium	**14**		2.5	0.73	ug/L		05/09/25 15:45	05/13/25 19:47	1
Beryllium	<0.53		1.0	0.53	ug/L		05/09/25 15:45	05/13/25 19:47	1
Boron	**23**	**J**	50	13	ug/L		05/09/25 15:45	05/13/25 19:47	1
Cadmium	<0.17		0.50	0.17	ug/L		05/09/25 15:45	05/13/25 19:47	1
Calcium	**13000**		200	44	ug/L		05/09/25 15:45	05/13/25 19:47	1
Chromium	<1.1		5.0	1.1	ug/L		05/09/25 15:45	05/13/25 19:47	1
Cobalt	<0.40		1.0	0.40	ug/L		05/09/25 15:45	05/13/25 19:47	1
Copper	**3.3**		2.0	0.50	ug/L		05/09/25 15:45	05/13/25 19:47	1
Iron	<47		100	47	ug/L		05/09/25 15:45	05/13/25 19:47	1
Lead	<0.19		0.50	0.19	ug/L		05/09/25 15:45	05/13/25 19:47	1
Lithium	<2.5		10	2.5	ug/L		05/09/25 15:45	05/13/25 19:47	1
Magnesium	**2700**		200	49	ug/L		05/09/25 15:45	05/13/25 19:47	1
Manganese	**2.0**	**J**	2.5	0.79	ug/L		05/09/25 15:45	05/14/25 14:06	1
Molybdenum	<2.5		5.0	2.5	ug/L		05/09/25 15:45	05/13/25 19:47	1
Nickel	<0.63		2.0	0.63	ug/L		05/09/25 15:45	05/13/25 19:47	1
Potassium	**580**		500	110	ug/L		05/09/25 15:45	05/13/25 19:47	1
Selenium	<0.98		2.5	0.98	ug/L		05/09/25 15:45	05/13/25 19:47	1
Silver	<0.12		0.50	0.12	ug/L		05/09/25 15:45	05/13/25 19:47	1
Sodium	**1900**		200	77	ug/L		05/09/25 15:45	05/13/25 19:47	1
Strontium	**26**		4.0	0.64	ug/L		05/09/25 15:45	05/13/25 19:47	1
Thallium	<0.57		2.0	0.57	ug/L		05/09/25 15:45	05/13/25 19:47	1
Tin	<1.3		5.0	1.3	ug/L		05/09/25 15:45	05/13/25 19:47	1
Vanadium	<2.2		5.0	2.2	ug/L		05/09/25 15:45	05/13/25 19:47	1
Zinc	<6.9		20	6.9	ug/L		05/09/25 15:45	05/13/25 19:47	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**45**		0.91	0.46	mg/L		05/09/25 15:45	05/14/25 09:43	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	<0.45		1.0	0.45	mg/L			05/02/25 16:21	1
Nitrate as N (EPA 300.0)	**0.46**	**J**	1.0	0.37	mg/L			05/02/25 16:21	1
Chloride (EPA 300.0)	**2.3**		1.0	0.42	mg/L			05/02/25 16:21	1
Nitrite as N (EPA 300.0)	<0.25		1.0	0.25	mg/L			05/02/25 16:21	1
Fluoride (EPA 300.0)	<0.43		1.0	0.43	mg/L			05/02/25 16:21	1
Nitrate Nitrite as N (EPA 300.0)	**0.46**	**J**	1.0	0.37	mg/L			05/02/25 16:21	1
Sulfate (EPA 300.0)	**3.2**		1.0	0.47	mg/L			05/02/25 16:21	1
Cyanide, Total (EPA 335.4)	<0.0036		0.0050	0.0036	mg/L		05/11/25 10:55	05/12/25 10:59	1
Ammonia (EPA 350.1)	<0.10		0.20	0.10	mg/L		05/22/25 11:37	05/23/25 08:59	1
Phosphorus as P (EPA 365.1)	<0.024		0.050	0.024	mg/L		05/14/25 10:23	05/19/25 11:51	1
Alkalinity (SM 2320B)	**45**		5.0	3.7	mg/L			05/08/25 15:28	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**45**		5.0	3.7	mg/L			05/08/25 15:28	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<3.7		5.0	3.7	mg/L			05/08/25 15:28	1
Salinity (SM 2520B)	<0.33		0.33	0.33	psu			05/11/25 12:45	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267711-1

Client Sample ID: LKS-02_20250501
Date Collected: 05/01/25 08:00
Date Received: 05/02/25 09:20

Lab Sample ID: 500-267711-29
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	46		10	4.3	mg/L			05/07/25 03:28	1
Total Suspended Solids (SM 2540D)	9.6		5.0	1.9	mg/L			05/06/25 15:24	1
Sulfide (SM 4500 S2 F)	0.64	J	1.0	0.23	mg/L			05/07/25 23:18	1
Total Organic Carbon (SM 5310C)	3.9		1.0	0.47	mg/L			05/15/25 23:06	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon (SM 5310C)	4.1		1.0	0.47	mg/L			05/16/25 12:01	1

Client Sample Results

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267711-1

Client Sample ID: LKS-02_20250501_FBLL
Date Collected: 05/01/25 08:00
Date Received: 05/02/25 09:20

Lab Sample ID: 500-267711-30
Matrix: Water

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			05/27/25 17:04	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267711-1

Client Sample ID: PNC-04_20250501

Date Collected: 05/01/25 10:30
Date Received: 05/02/25 09:20

Lab Sample ID: 500-267711-31

Matrix: Water

Method: EPA 1630 - Methyl Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	**0.029**	**J**	0.050	0.022	ng/L		05/23/25 10:57	05/24/25 01:18	1

Method: EPA 1630 - Methyl Mercury - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	**0.039**	**J**	0.050	0.022	ng/L		05/23/25 10:57	05/24/25 01:29	1

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**3.4**		0.50	0.20	ng/L			05/27/25 17:08	1

Method: EPA 1631E - Mercury, Low Level (CVAFS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**2.9**		0.50	0.20	ng/L			05/27/25 17:29	1

Method: EPA 1638 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.18**		0.050	0.0098	ug/L		05/21/25 13:55	05/22/25 19:57	1

Method: EPA 1638 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.16**		0.050	0.0098	ug/L		05/21/25 13:55	05/22/25 18:16	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**330**		100	25	ug/L		05/09/25 15:45	05/13/25 19:49	1
Antimony	<1.3		3.0	1.3	ug/L		05/09/25 15:45	05/13/25 19:49	1
Arsenic	**0.33**	**J**	1.0	0.23	ug/L		05/09/25 15:45	05/13/25 19:49	1
Barium	**29**		2.5	0.73	ug/L		05/09/25 15:45	05/13/25 19:49	1
Beryllium	<0.53		1.0	0.53	ug/L		05/09/25 15:45	05/13/25 19:49	1
Boron	**22**	**J**	50	13	ug/L		05/09/25 15:45	05/13/25 19:49	1
Cadmium	<0.17		0.50	0.17	ug/L		05/09/25 15:45	05/13/25 19:49	1
Calcium	**16000**		200	44	ug/L		05/09/25 15:45	05/13/25 19:49	1
Chromium	<1.1		5.0	1.1	ug/L		05/09/25 15:45	05/13/25 19:49	1
Cobalt	<0.40		1.0	0.40	ug/L		05/09/25 15:45	05/13/25 19:49	1
Copper	**16**		2.0	0.50	ug/L		05/09/25 15:45	05/13/25 19:49	1
Iron	**520**		100	47	ug/L		05/09/25 15:45	05/13/25 19:49	1
Lead	<0.19		0.50	0.19	ug/L		05/09/25 15:45	05/13/25 19:49	1
Lithium	<2.5		10	2.5	ug/L		05/09/25 15:45	05/13/25 19:49	1
Magnesium	**3600**		200	49	ug/L		05/09/25 15:45	05/13/25 19:49	1
Manganese	**24**		2.5	0.79	ug/L		05/09/25 15:45	05/14/25 14:09	1
Molybdenum	<2.5		5.0	2.5	ug/L		05/09/25 15:45	05/13/25 19:49	1
Nickel	<0.63		2.0	0.63	ug/L		05/09/25 15:45	05/13/25 19:49	1
Potassium	**940**		500	110	ug/L		05/09/25 15:45	05/13/25 19:49	1
Selenium	<0.98		2.5	0.98	ug/L		05/09/25 15:45	05/13/25 19:49	1
Silver	<0.12		0.50	0.12	ug/L		05/09/25 15:45	05/13/25 19:49	1
Sodium	**2100**		200	77	ug/L		05/09/25 15:45	05/13/25 19:49	1
Strontium	**67**		4.0	0.64	ug/L		05/09/25 15:45	05/13/25 19:49	1
Thallium	<0.57		2.0	0.57	ug/L		05/09/25 15:45	05/13/25 19:49	1
Tin	<1.3		5.0	1.3	ug/L		05/09/25 15:45	05/13/25 19:49	1
Vanadium	<2.2		5.0	2.2	ug/L		05/09/25 15:45	05/13/25 19:49	1
Zinc	<6.9		20	6.9	ug/L		05/09/25 15:45	05/13/25 19:49	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267711-1

Client Sample ID: PNC-04_20250501

Date Collected: 05/01/25 10:30
Date Received: 05/02/25 09:20

Lab Sample ID: 500-267711-31

Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**43**	**J**	100	25	ug/L		05/09/25 15:45	05/13/25 19:51	1
Antimony	<1.3		3.0	1.3	ug/L		05/09/25 15:45	05/13/25 19:51	1
Arsenic	**0.32**	**J**	1.0	0.23	ug/L		05/09/25 15:45	05/13/25 19:51	1
Barium	**25**		2.5	0.73	ug/L		05/09/25 15:45	05/13/25 19:51	1
Beryllium	<0.53		1.0	0.53	ug/L		05/09/25 15:45	05/13/25 19:51	1
Boron	**19**	**J**	50	13	ug/L		05/09/25 15:45	05/13/25 19:51	1
Cadmium	<0.17		0.50	0.17	ug/L		05/09/25 15:45	05/13/25 19:51	1
Calcium	**15000**		200	44	ug/L		05/09/25 15:45	05/13/25 19:51	1
Chromium	<1.1		5.0	1.1	ug/L		05/09/25 15:45	05/13/25 19:51	1
Cobalt	<0.40		1.0	0.40	ug/L		05/09/25 15:45	05/13/25 19:51	1
Copper	**14**		2.0	0.50	ug/L		05/09/25 15:45	05/13/25 19:51	1
Iron	**180**		100	47	ug/L		05/09/25 15:45	05/13/25 19:51	1
Lead	<0.19		0.50	0.19	ug/L		05/09/25 15:45	05/13/25 19:51	1
Lithium	<2.5		10	2.5	ug/L		05/09/25 15:45	05/13/25 19:51	1
Magnesium	**3400**		200	49	ug/L		05/09/25 15:45	05/13/25 19:51	1
Manganese	**14**		2.5	0.79	ug/L		05/09/25 15:45	05/14/25 14:16	1
Molybdenum	<2.5		5.0	2.5	ug/L		05/09/25 15:45	05/13/25 19:51	1
Nickel	<0.63		2.0	0.63	ug/L		05/09/25 15:45	05/13/25 19:51	1
Potassium	**860**		500	110	ug/L		05/09/25 15:45	05/13/25 19:51	1
Selenium	<0.98		2.5	0.98	ug/L		05/09/25 15:45	05/13/25 19:51	1
Silver	<0.12		0.50	0.12	ug/L		05/09/25 15:45	05/13/25 19:51	1
Sodium	**2100**		200	77	ug/L		05/09/25 15:45	05/13/25 19:51	1
Strontium	**67**		4.0	0.64	ug/L		05/09/25 15:45	05/13/25 19:51	1
Thallium	<0.57		2.0	0.57	ug/L		05/09/25 15:45	05/13/25 19:51	1
Tin	<1.3		5.0	1.3	ug/L		05/09/25 15:45	05/13/25 19:51	1
Vanadium	<2.2		5.0	2.2	ug/L		05/09/25 15:45	05/13/25 19:51	1
Zinc	<6.9		20	6.9	ug/L		05/09/25 15:45	05/13/25 19:51	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**54**		0.91	0.46	mg/L		05/09/25 15:45	05/14/25 09:43	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	<0.45		1.0	0.45	mg/L			05/02/25 16:37	1
Nitrate as N (EPA 300.0)	<0.37		1.0	0.37	mg/L			05/02/25 16:37	1
Chloride (EPA 300.0)	**5.4**		1.0	0.42	mg/L			05/02/25 16:37	1
Nitrite as N (EPA 300.0)	<0.25		1.0	0.25	mg/L			05/02/25 16:37	1
Fluoride (EPA 300.0)	<0.43		1.0	0.43	mg/L			05/02/25 16:37	1
Nitrate Nitrite as N (EPA 300.0)	<0.37		1.0	0.37	mg/L			05/02/25 16:37	1
Sulfate (EPA 300.0)	**0.92**	**J**	1.0	0.47	mg/L			05/02/25 16:37	1
Cyanide, Total (EPA 335.4)	<0.0036		0.0050	0.0036	mg/L		05/11/25 10:55	05/12/25 11:00	1
Ammonia (EPA 350.1)	<0.10		0.20	0.10	mg/L		05/22/25 11:37	05/23/25 09:00	1
Phosphorus as P (EPA 365.1)	<0.024		0.050	0.024	mg/L		05/14/25 10:23	05/19/25 11:52	1
Alkalinity (SM 2320B)	**50**		5.0	3.7	mg/L			05/08/25 15:37	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**50**		5.0	3.7	mg/L			05/08/25 15:37	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<3.7		5.0	3.7	mg/L			05/08/25 15:37	1
Salinity (SM 2520B)	<0.33		0.33	0.33	psu			05/08/25 07:50	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267711-1

Client Sample ID: PNC-04_20250501
Date Collected: 05/01/25 10:30
Date Received: 05/02/25 09:20

Lab Sample ID: 500-267711-31
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	78		10	4.3	mg/L			05/07/25 03:30	1
Total Suspended Solids (SM 2540D)	2.6	J	5.0	1.9	mg/L			05/06/25 15:28	1
Sulfide (SM 4500 S2 F)	1.1		1.0	0.23	mg/L			05/07/25 23:22	1
Total Organic Carbon (SM 5310C)	9.3		1.0	0.47	mg/L			05/15/25 23:39	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon (SM 5310C)	8.0		1.0	0.47	mg/L			05/16/25 13:38	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267711-1

Client Sample ID: PNC-04_20250501_FBLL
Date Collected: 05/01/25 10:30
Date Received: 05/02/25 09:20

Lab Sample ID: 500-267711-32
Matrix: Water

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			05/27/25 17:21	1

Definitions/Glossary

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267711-1

Qualifiers

Metals

Qualifier	Qualifier Description
^5+	Linear Range Check (LRC) is outside acceptance limits, high biased.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F1	MS and/or MSD recovery exceeds control limits.
F5	Duplicate RPD exceeds limit, and one or both sample results are less than 5 times RL, and the absolute difference between results is < the upper reporting limits for both.
H	Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Metals

Analysis Batch: 6929

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-267711-1	MW-35_20250430	Dissolved	Water	1631E	
500-267711-1	MW-35_20250430	Total/NA	Water	1631E	
500-267711-2	MW-35_20250430_FBLL	Total/NA	Water	1631E	
500-267711-3	MW-36_20250430	Dissolved	Water	1631E	
500-267711-3	MW-36_20250430	Total/NA	Water	1631E	
500-267711-4	MW-36_20250430_FBLL	Total/NA	Water	1631E	
500-267711-5	LKS-01_20250430	Dissolved	Water	1631E	
500-267711-5	LKS-01_20250430	Total/NA	Water	1631E	
500-267711-6	LKS-01_20250430_FBLL	Total/NA	Water	1631E	
500-267711-7	SMW-1SB_20250430	Dissolved	Water	1631E	
500-267711-7	SMW-1SB_20250430	Total/NA	Water	1631E	
500-267711-8	SMW-1SB_20250430_FBLL	Total/NA	Water	1631E	
500-267711-9	NB2-1_20250430	Dissolved	Water	1631E	
500-267711-9	NB2-1_20250430	Total/NA	Water	1631E	
500-267711-10	NB2-1_20250430_FBLL	Total/NA	Water	1631E	
500-267711-11	NB2-3_20250430	Dissolved	Water	1631E	
500-267711-11	NB2-3_20250430	Total/NA	Water	1631E	
500-267711-12	NB2-3_20250430_FBLL	Total/NA	Water	1631E	
500-267711-13	NTC-01_20250430	Dissolved	Water	1631E	
500-267711-13	NTC-01_20250430	Total/NA	Water	1631E	
500-267711-14	NTC-01_20250430_FBLL	Total/NA	Water	1631E	
500-267711-15	DUP-01-SW_20250430	Dissolved	Water	1631E	
500-267711-15	DUP-01-SW_20250430	Total/NA	Water	1631E	
500-267711-16	DUP-01-SW_20250430_FBLL	Total/NA	Water	1631E	
500-267711-17	PRC-02_20250430	Dissolved	Water	1631E	
500-267711-17	PRC-02_20250430	Total/NA	Water	1631E	
500-267711-18	PRC-02_20250430_FBLL	Total/NA	Water	1631E	
500-267711-19	MLR-03_20250430	Dissolved	Water	1631E	
500-267711-19	MLR-03_20250430	Total/NA	Water	1631E	
500-267711-20	MLR-03_20250430_FBLL	Total/NA	Water	1631E	
500-267711-21	MW-37_20250501	Dissolved	Water	1631E	
500-267711-21	MW-37_20250501	Total/NA	Water	1631E	
500-267711-22	MW-37_20250501_FBLL	Total/NA	Water	1631E	
500-267711-23	MW-41_20250501	Dissolved	Water	1631E	
500-267711-23	MW-41_20250501	Total/NA	Water	1631E	
500-267711-24	MW-41_20250501_FBLL	Total/NA	Water	1631E	
500-267711-25	TBN-01_20250501	Dissolved	Water	1631E	
500-267711-25	TBN-01_20250501	Total/NA	Water	1631E	
500-267711-26	TBN-01_20250501_FBLL	Total/NA	Water	1631E	
500-267711-27	TBS-01_20250501	Dissolved	Water	1631E	
500-267711-27	TBS-01_20250501	Total/NA	Water	1631E	
500-267711-28	TBS-01_20250501_FBLL	Total/NA	Water	1631E	
MB 350-6929/17	Method Blank	Total/NA	Water	1631E	
MB 350-6929/18	Method Blank	Total/NA	Water	1631E	
MB 350-6929/19	Method Blank	Total/NA	Water	1631E	
MB 350-6929/20	Method Blank	Total/NA	Water	1631E	
MB 350-6929/23	Method Blank	Total/NA	Water	1631E	
MB 350-6929/24	Method Blank	Total/NA	Water	1631E	
MB 350-6929/25	Method Blank	Total/NA	Water	1631E	
MB 350-6929/26	Method Blank	Total/NA	Water	1631E	
MB 350-6929/27	Method Blank	Total/NA	Water	1631E	

Metals (Continued)

Analysis Batch: 6929 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 350-6929/28	Lab Control Sample	Total/NA	Water	1631E	
LCS 350-6929/58	Lab Control Sample	Total/NA	Water	1631E	
LCS 350-6929/86	Lab Control Sample	Total/NA	Water	1631E	
LCSD 350-6929/29	Lab Control Sample Dup	Total/NA	Water	1631E	
LCSD 350-6929/59	Lab Control Sample Dup	Total/NA	Water	1631E	
LCSD 350-6929/87	Lab Control Sample Dup	Total/NA	Water	1631E	

Prep Batch: 6941

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-267711-1	MW-35_20250430	Dissolved	Water	1638	
500-267711-3	MW-36_20250430	Dissolved	Water	1638	
500-267711-5	LKS-01_20250430	Dissolved	Water	1638	
500-267711-7	SMW-1SB_20250430	Dissolved	Water	1638	
500-267711-9	NB2-1_20250430	Dissolved	Water	1638	
500-267711-11	NB2-3_20250430	Dissolved	Water	1638	
MB 350-6941/1-A	Method Blank	Total Recoverable	Water	1638	
MB 350-6941/2-A	Method Blank	Total Recoverable	Water	1638	
LCS 350-6941/3-A	Lab Control Sample	Total Recoverable	Water	1638	
LCSD 350-6941/4-A	Lab Control Sample Dup	Total Recoverable	Water	1638	

Prep Batch: 6942

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-267711-1	MW-35_20250430	Total Recoverable	Water	1638	
500-267711-3	MW-36_20250430	Total Recoverable	Water	1638	
500-267711-5	LKS-01_20250430	Total Recoverable	Water	1638	
500-267711-7	SMW-1SB_20250430	Total Recoverable	Water	1638	
500-267711-9	NB2-1_20250430	Total Recoverable	Water	1638	
500-267711-11	NB2-3_20250430	Total Recoverable	Water	1638	
500-267711-13	NTC-01_20250430	Dissolved	Water	1638	
500-267711-13	NTC-01_20250430	Total Recoverable	Water	1638	
500-267711-15	DUP-01-SW_20250430	Dissolved	Water	1638	
500-267711-15	DUP-01-SW_20250430	Total Recoverable	Water	1638	
500-267711-17	PRC-02_20250430	Dissolved	Water	1638	
500-267711-17	PRC-02_20250430	Total Recoverable	Water	1638	
500-267711-19	MLR-03_20250430	Dissolved	Water	1638	
500-267711-19	MLR-03_20250430	Total Recoverable	Water	1638	
500-267711-21	MW-37_20250501	Dissolved	Water	1638	
500-267711-23	MW-41_20250501	Dissolved	Water	1638	
500-267711-25	TBN-01_20250501	Dissolved	Water	1638	
500-267711-27	TBS-01_20250501	Dissolved	Water	1638	
500-267711-29	LKS-02_20250501	Dissolved	Water	1638	
500-267711-31	PNC-04_20250501	Dissolved	Water	1638	
MB 350-6942/1-A	Method Blank	Total Recoverable	Water	1638	
MB 350-6942/2-A	Method Blank	Total Recoverable	Water	1638	
LCS 350-6942/3-A	Lab Control Sample	Total Recoverable	Water	1638	
LCSD 350-6942/4-A	Lab Control Sample Dup	Total Recoverable	Water	1638	
500-267711-17 MS	PRC-02_20250430	Total Recoverable	Water	1638	
500-267711-17 MSD	PRC-02_20250430	Total Recoverable	Water	1638	
500-267711-29 MS	LKS-02_20250501	Dissolved	Water	1638	
500-267711-29 MSD	LKS-02_20250501	Dissolved	Water	1638	

Metals

Prep Batch: 6943

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-267711-21	MW-37_20250501	Total Recoverable	Water	1638	
500-267711-23	MW-41_20250501	Total Recoverable	Water	1638	
500-267711-25	TBN-01_20250501	Total Recoverable	Water	1638	
500-267711-27	TBS-01_20250501	Total Recoverable	Water	1638	
500-267711-29	LKS-02_20250501	Total Recoverable	Water	1638	
500-267711-31	PNC-04_20250501	Total Recoverable	Water	1638	
MB 350-6943/1-A	Method Blank	Total Recoverable	Water	1638	
MB 350-6943/2-A	Method Blank	Total Recoverable	Water	1638	
LCS 350-6943/3-A	Lab Control Sample	Total Recoverable	Water	1638	
LCSD 350-6943/4-A	Lab Control Sample Dup	Total Recoverable	Water	1638	
500-267711-21 MS	MW-37_20250501	Total Recoverable	Water	1638	
500-267711-21 MSD	MW-37_20250501	Total Recoverable	Water	1638	
500-267711-23 MS	MW-41_20250501	Total Recoverable	Water	1638	
500-267711-23 MSD	MW-41_20250501	Total Recoverable	Water	1638	

Prep Batch: 6988

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-267711-15	DUP-01-SW_20250430	Dissolved	Water	1630	
500-267711-15	DUP-01-SW_20250430	Total/NA	Water	1630	
500-267711-17	PRC-02_20250430	Dissolved	Water	1630	
500-267711-17	PRC-02_20250430	Total/NA	Water	1630	
500-267711-19	MLR-03_20250430	Dissolved	Water	1630	
500-267711-19	MLR-03_20250430	Total/NA	Water	1630	
500-267711-21	MW-37_20250501	Dissolved	Water	1630	
500-267711-21	MW-37_20250501	Total/NA	Water	1630	
500-267711-23	MW-41_20250501	Dissolved	Water	1630	
500-267711-23	MW-41_20250501	Total/NA	Water	1630	
500-267711-25	TBN-01_20250501	Dissolved	Water	1630	
500-267711-25	TBN-01_20250501	Total/NA	Water	1630	
500-267711-27	TBS-01_20250501	Dissolved	Water	1630	
500-267711-27	TBS-01_20250501	Total/NA	Water	1630	
500-267711-29	LKS-02_20250501	Dissolved	Water	1630	
500-267711-29	LKS-02_20250501	Total/NA	Water	1630	
500-267711-31	PNC-04_20250501	Dissolved	Water	1630	
500-267711-31	PNC-04_20250501	Total/NA	Water	1630	
MB 350-6988/1-A	Method Blank	Total/NA	Water	1630	
MB 350-6988/2-A	Method Blank	Total/NA	Water	1630	
MB 350-6988/3-A	Method Blank	Total/NA	Water	1630	
LCS 350-6988/4-A	Lab Control Sample	Total/NA	Water	1630	
LCSD 350-6988/5-A	Lab Control Sample Dup	Total/NA	Water	1630	
500-267711-17 MS	PRC-02_20250430	Total/NA	Water	1630	
500-267711-17 MSD	PRC-02_20250430	Total/NA	Water	1630	
500-267711-29 MS	LKS-02_20250501	Total/NA	Water	1630	
500-267711-29 MSD	LKS-02_20250501	Total/NA	Water	1630	

Analysis Batch: 6989

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-267711-1	MW-35_20250430	Dissolved	Water	1638	6941
500-267711-1	MW-35_20250430	Total Recoverable	Water	1638	6942
500-267711-3	MW-36_20250430	Dissolved	Water	1638	6941
500-267711-3	MW-36_20250430	Total Recoverable	Water	1638	6942

Metals (Continued)

Analysis Batch: 6989 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-267711-5	LKS-01_20250430	Dissolved	Water	1638	6941
500-267711-5	LKS-01_20250430	Total Recoverable	Water	1638	6942
500-267711-7	SMW-1SB_20250430	Dissolved	Water	1638	6941
500-267711-7	SMW-1SB_20250430	Total Recoverable	Water	1638	6942
500-267711-9	NB2-1_20250430	Dissolved	Water	1638	6941
500-267711-9	NB2-1_20250430	Total Recoverable	Water	1638	6942
500-267711-11	NB2-3_20250430	Dissolved	Water	1638	6941
500-267711-11	NB2-3_20250430	Total Recoverable	Water	1638	6942
500-267711-13	NTC-01_20250430	Dissolved	Water	1638	6942
500-267711-13	NTC-01_20250430	Total Recoverable	Water	1638	6942
500-267711-15	DUP-01-SW_20250430	Dissolved	Water	1638	6942
500-267711-15	DUP-01-SW_20250430	Total Recoverable	Water	1638	6942
500-267711-17	PRC-02_20250430	Dissolved	Water	1638	6942
500-267711-17	PRC-02_20250430	Total Recoverable	Water	1638	6942
500-267711-19	MLR-03_20250430	Dissolved	Water	1638	6942
500-267711-19	MLR-03_20250430	Total Recoverable	Water	1638	6942
500-267711-21	MW-37_20250501	Dissolved	Water	1638	6942
500-267711-21	MW-37_20250501	Total Recoverable	Water	1638	6943
500-267711-23	MW-41_20250501	Dissolved	Water	1638	6942
500-267711-23	MW-41_20250501	Total Recoverable	Water	1638	6943
500-267711-25	TBN-01_20250501	Dissolved	Water	1638	6942
500-267711-25	TBN-01_20250501	Total Recoverable	Water	1638	6943
500-267711-27	TBS-01_20250501	Dissolved	Water	1638	6942
500-267711-27	TBS-01_20250501	Total Recoverable	Water	1638	6943
500-267711-29	LKS-02_20250501	Dissolved	Water	1638	6942
500-267711-29	LKS-02_20250501	Total Recoverable	Water	1638	6943
500-267711-31	PNC-04_20250501	Dissolved	Water	1638	6942
500-267711-31	PNC-04_20250501	Total Recoverable	Water	1638	6943
MB 350-6941/1-A	Method Blank	Total Recoverable	Water	1638	6941
MB 350-6941/2-A	Method Blank	Total Recoverable	Water	1638	6941
MB 350-6942/1-A	Method Blank	Total Recoverable	Water	1638	6942
MB 350-6942/2-A	Method Blank	Total Recoverable	Water	1638	6942
MB 350-6943/1-A	Method Blank	Total Recoverable	Water	1638	6943
MB 350-6943/2-A	Method Blank	Total Recoverable	Water	1638	6943
LCS 350-6941/3-A	Lab Control Sample	Total Recoverable	Water	1638	6941
LCS 350-6942/3-A	Lab Control Sample	Total Recoverable	Water	1638	6942
LCS 350-6943/3-A	Lab Control Sample	Total Recoverable	Water	1638	6943
LCSD 350-6941/4-A	Lab Control Sample Dup	Total Recoverable	Water	1638	6941
LCSD 350-6942/4-A	Lab Control Sample Dup	Total Recoverable	Water	1638	6942
LCSD 350-6943/4-A	Lab Control Sample Dup	Total Recoverable	Water	1638	6943
500-267711-17 MS	PRC-02_20250430	Total Recoverable	Water	1638	6942
500-267711-17 MSD	PRC-02_20250430	Total Recoverable	Water	1638	6942
500-267711-21 MS	MW-37_20250501	Total Recoverable	Water	1638	6943
500-267711-21 MSD	MW-37_20250501	Total Recoverable	Water	1638	6943
500-267711-23 MS	MW-41_20250501	Total Recoverable	Water	1638	6943
500-267711-23 MSD	MW-41_20250501	Total Recoverable	Water	1638	6943
500-267711-29 MS	LKS-02_20250501	Dissolved	Water	1638	6942
500-267711-29 MSD	LKS-02_20250501	Dissolved	Water	1638	6942

Metals

Analysis Batch: 7043

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-267711-15	DUP-01-SW_20250430	Dissolved	Water	1630	6988
500-267711-15	DUP-01-SW_20250430	Total/NA	Water	1630	6988
500-267711-17	PRC-02_20250430	Dissolved	Water	1630	6988
500-267711-17	PRC-02_20250430	Total/NA	Water	1630	6988
500-267711-19	MLR-03_20250430	Dissolved	Water	1630	6988
500-267711-19	MLR-03_20250430	Total/NA	Water	1630	6988
500-267711-21	MW-37_20250501	Dissolved	Water	1630	6988
500-267711-21	MW-37_20250501	Total/NA	Water	1630	6988
500-267711-23	MW-41_20250501	Dissolved	Water	1630	6988
500-267711-23	MW-41_20250501	Total/NA	Water	1630	6988
500-267711-25	TBN-01_20250501	Dissolved	Water	1630	6988
500-267711-25	TBN-01_20250501	Total/NA	Water	1630	6988
500-267711-27	TBS-01_20250501	Dissolved	Water	1630	6988
500-267711-27	TBS-01_20250501	Total/NA	Water	1630	6988
500-267711-29	LKS-02_20250501	Dissolved	Water	1630	6988
500-267711-29	LKS-02_20250501	Total/NA	Water	1630	6988
500-267711-31	PNC-04_20250501	Dissolved	Water	1630	6988
500-267711-31	PNC-04_20250501	Total/NA	Water	1630	6988
MB 350-6988/1-A	Method Blank	Total/NA	Water	1630	6988
MB 350-6988/2-A	Method Blank	Total/NA	Water	1630	6988
MB 350-6988/3-A	Method Blank	Total/NA	Water	1630	6988
LCS 350-6988/4-A	Lab Control Sample	Total/NA	Water	1630	6988
LCSD 350-6988/5-A	Lab Control Sample Dup	Total/NA	Water	1630	6988
500-267711-17 MS	PRC-02_20250430	Total/NA	Water	1630	6988
500-267711-17 MSD	PRC-02_20250430	Total/NA	Water	1630	6988
500-267711-29 MS	LKS-02_20250501	Total/NA	Water	1630	6988
500-267711-29 MSD	LKS-02_20250501	Total/NA	Water	1630	6988

Analysis Batch: 7056

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-267711-29	LKS-02_20250501	Dissolved	Water	1631E	
500-267711-29	LKS-02_20250501	Total/NA	Water	1631E	
500-267711-30	LKS-02_20250501_FBLL	Total/NA	Water	1631E	
500-267711-31	PNC-04_20250501	Dissolved	Water	1631E	
500-267711-31	PNC-04_20250501	Total/NA	Water	1631E	
500-267711-32	PNC-04_20250501_FBLL	Total/NA	Water	1631E	
MB 350-7056/83	Method Blank	Total/NA	Water	1631E	
MB 350-7056/84	Method Blank	Total/NA	Water	1631E	
MB 350-7056/85	Method Blank	Total/NA	Water	1631E	
LCS 350-7056/86	Lab Control Sample	Total/NA	Water	1631E	
LCSD 350-7056/87	Lab Control Sample Dup	Total/NA	Water	1631E	

Prep Batch: 7302

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-267711-1	MW-35_20250430	Dissolved	Water	1630	
500-267711-1	MW-35_20250430	Total/NA	Water	1630	
500-267711-3	MW-36_20250430	Dissolved	Water	1630	
500-267711-3	MW-36_20250430	Total/NA	Water	1630	
500-267711-5	LKS-01_20250430	Dissolved	Water	1630	
500-267711-5	LKS-01_20250430	Total/NA	Water	1630	
500-267711-7	SMW-1SB_20250430	Dissolved	Water	1630	

Metals (Continued)

Prep Batch: 7302 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-267711-7	SMW-1SB_20250430	Total/NA	Water	1630	
500-267711-9	NB2-1_20250430	Dissolved	Water	1630	
500-267711-9	NB2-1_20250430	Total/NA	Water	1630	
500-267711-11	NB2-3_20250430	Dissolved	Water	1630	
500-267711-11	NB2-3_20250430	Total/NA	Water	1630	
500-267711-13	NTC-01_20250430	Dissolved	Water	1630	
500-267711-13	NTC-01_20250430	Total/NA	Water	1630	
MB 350-7302/1-A	Method Blank	Total/NA	Water	1630	
MB 350-7302/2-A	Method Blank	Total/NA	Water	1630	
MB 350-7302/3-A	Method Blank	Total/NA	Water	1630	
LCS 350-7302/4-A	Lab Control Sample	Total/NA	Water	1630	
LCSD 350-7302/5-A	Lab Control Sample Dup	Total/NA	Water	1630	

Analysis Batch: 7378

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-267711-1	MW-35_20250430	Dissolved	Water	1630	7302
500-267711-1	MW-35_20250430	Total/NA	Water	1630	7302
500-267711-3	MW-36_20250430	Dissolved	Water	1630	7302
500-267711-3	MW-36_20250430	Total/NA	Water	1630	7302
500-267711-5	LKS-01_20250430	Dissolved	Water	1630	7302
500-267711-5	LKS-01_20250430	Total/NA	Water	1630	7302
500-267711-7	SMW-1SB_20250430	Dissolved	Water	1630	7302
500-267711-7	SMW-1SB_20250430	Total/NA	Water	1630	7302
500-267711-9	NB2-1_20250430	Dissolved	Water	1630	7302
500-267711-9	NB2-1_20250430	Total/NA	Water	1630	7302
500-267711-11	NB2-3_20250430	Dissolved	Water	1630	7302
500-267711-11	NB2-3_20250430	Total/NA	Water	1630	7302
500-267711-13	NTC-01_20250430	Dissolved	Water	1630	7302
500-267711-13	NTC-01_20250430	Total/NA	Water	1630	7302
MB 350-7302/1-A	Method Blank	Total/NA	Water	1630	7302
MB 350-7302/2-A	Method Blank	Total/NA	Water	1630	7302
MB 350-7302/3-A	Method Blank	Total/NA	Water	1630	7302
LCS 350-7302/4-A	Lab Control Sample	Total/NA	Water	1630	7302
LCSD 350-7302/5-A	Lab Control Sample Dup	Total/NA	Water	1630	7302

Prep Batch: 817153

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-267711-1	MW-35_20250430	Dissolved	Water	3005A	
500-267711-1	MW-35_20250430	Total Recoverable	Water	3005A	
500-267711-3	MW-36_20250430	Dissolved	Water	3005A	
500-267711-3	MW-36_20250430	Total Recoverable	Water	3005A	
500-267711-5	LKS-01_20250430	Dissolved	Water	3005A	
500-267711-5	LKS-01_20250430	Total Recoverable	Water	3005A	
500-267711-7	SMW-1SB_20250430	Dissolved	Water	3005A	
500-267711-7	SMW-1SB_20250430	Total Recoverable	Water	3005A	
500-267711-9	NB2-1_20250430	Dissolved	Water	3005A	
500-267711-9	NB2-1_20250430	Total Recoverable	Water	3005A	
500-267711-11	NB2-3_20250430	Total Recoverable	Water	3005A	
MB 500-817153/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 500-817153/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Metals

Prep Batch: 817154

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-267711-11	NB2-3_20250430	Dissolved	Water	3005A	
500-267711-13	NTC-01_20250430	Dissolved	Water	3005A	
500-267711-13	NTC-01_20250430	Total Recoverable	Water	3005A	
500-267711-15	DUP-01-SW_20250430	Dissolved	Water	3005A	
500-267711-15	DUP-01-SW_20250430	Total Recoverable	Water	3005A	
500-267711-17	PRC-02_20250430	Dissolved	Water	3005A	
500-267711-17	PRC-02_20250430	Total Recoverable	Water	3005A	
500-267711-19	MLR-03_20250430	Dissolved	Water	3005A	
500-267711-19	MLR-03_20250430	Total Recoverable	Water	3005A	
500-267711-23	MW-41_20250501	Dissolved	Water	3005A	
500-267711-23	MW-41_20250501	Total Recoverable	Water	3005A	
500-267711-25	TBN-01_20250501	Dissolved	Water	3005A	
500-267711-25	TBN-01_20250501	Total Recoverable	Water	3005A	
500-267711-27	TBS-01_20250501	Dissolved	Water	3005A	
500-267711-27	TBS-01_20250501	Total Recoverable	Water	3005A	
500-267711-29	LKS-02_20250501	Dissolved	Water	3005A	
500-267711-29	LKS-02_20250501	Total Recoverable	Water	3005A	
500-267711-31	PNC-04_20250501	Dissolved	Water	3005A	
500-267711-31	PNC-04_20250501	Total Recoverable	Water	3005A	
MB 500-817154/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 500-817154/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
500-267711-11 MS	NB2-3_20250430	Dissolved	Water	3005A	
500-267711-11 MSD	NB2-3_20250430	Dissolved	Water	3005A	
500-267711-11 DU	NB2-3_20250430	Dissolved	Water	3005A	

Analysis Batch: 817408

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-267711-1	MW-35_20250430	Dissolved	Water	6020B	817153
500-267711-1	MW-35_20250430	Total Recoverable	Water	6020B	817153
500-267711-3	MW-36_20250430	Dissolved	Water	6020B	817153
500-267711-3	MW-36_20250430	Total Recoverable	Water	6020B	817153
500-267711-5	LKS-01_20250430	Dissolved	Water	6020B	817153
500-267711-5	LKS-01_20250430	Total Recoverable	Water	6020B	817153
500-267711-7	SMW-1SB_20250430	Dissolved	Water	6020B	817153
500-267711-7	SMW-1SB_20250430	Total Recoverable	Water	6020B	817153
500-267711-9	NB2-1_20250430	Dissolved	Water	6020B	817153
500-267711-9	NB2-1_20250430	Total Recoverable	Water	6020B	817153
500-267711-11	NB2-3_20250430	Total Recoverable	Water	6020B	817153
MB 500-817153/1-A	Method Blank	Total Recoverable	Water	6020B	817153
LCS 500-817153/2-A	Lab Control Sample	Total Recoverable	Water	6020B	817153

Analysis Batch: 817453

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-267711-1	MW-35_20250430	Total Recoverable	Water	SM 2340B	817153
500-267711-3	MW-36_20250430	Total Recoverable	Water	SM 2340B	817153
500-267711-5	LKS-01_20250430	Total Recoverable	Water	SM 2340B	817153
500-267711-7	SMW-1SB_20250430	Total Recoverable	Water	SM 2340B	817153
500-267711-9	NB2-1_20250430	Total Recoverable	Water	SM 2340B	817153
500-267711-11	NB2-3_20250430	Total Recoverable	Water	SM 2340B	817153
500-267711-13	NTC-01_20250430	Total Recoverable	Water	SM 2340B	817154
500-267711-15	DUP-01-SW_20250430	Total Recoverable	Water	SM 2340B	817154

Metals (Continued)

Analysis Batch: 817453 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-267711-17	PRC-02_20250430	Total Recoverable	Water	SM 2340B	817154
500-267711-19	MLR-03_20250430	Total Recoverable	Water	SM 2340B	817154
500-267711-23	MW-41_20250501	Total Recoverable	Water	SM 2340B	817154
500-267711-25	TBN-01_20250501	Total Recoverable	Water	SM 2340B	817154
500-267711-27	TBS-01_20250501	Total Recoverable	Water	SM 2340B	817154
500-267711-29	LKS-02_20250501	Total Recoverable	Water	SM 2340B	817154
500-267711-31	PNC-04_20250501	Total Recoverable	Water	SM 2340B	817154

Analysis Batch: 817602

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-267711-1	MW-35_20250430	Dissolved	Water	6020B	817153
500-267711-1	MW-35_20250430	Total Recoverable	Water	6020B	817153
500-267711-3	MW-36_20250430	Dissolved	Water	6020B	817153
500-267711-3	MW-36_20250430	Total Recoverable	Water	6020B	817153
500-267711-5	LKS-01_20250430	Dissolved	Water	6020B	817153
500-267711-5	LKS-01_20250430	Total Recoverable	Water	6020B	817153
500-267711-7	SMW-1SB_20250430	Dissolved	Water	6020B	817153
500-267711-7	SMW-1SB_20250430	Dissolved	Water	6020B	817153
500-267711-7	SMW-1SB_20250430	Total Recoverable	Water	6020B	817153
500-267711-7	SMW-1SB_20250430	Total Recoverable	Water	6020B	817153
500-267711-9	NB2-1_20250430	Dissolved	Water	6020B	817153
500-267711-9	NB2-1_20250430	Total Recoverable	Water	6020B	817153
500-267711-11	NB2-3_20250430	Dissolved	Water	6020B	817154
500-267711-11	NB2-3_20250430	Total Recoverable	Water	6020B	817153
500-267711-13	NTC-01_20250430	Dissolved	Water	6020B	817154
500-267711-13	NTC-01_20250430	Total Recoverable	Water	6020B	817154
500-267711-15	DUP-01-SW_20250430	Dissolved	Water	6020B	817154
500-267711-15	DUP-01-SW_20250430	Total Recoverable	Water	6020B	817154
500-267711-17	PRC-02_20250430	Dissolved	Water	6020B	817154
500-267711-17	PRC-02_20250430	Total Recoverable	Water	6020B	817154
500-267711-19	MLR-03_20250430	Dissolved	Water	6020B	817154
500-267711-19	MLR-03_20250430	Total Recoverable	Water	6020B	817154
500-267711-23	MW-41_20250501	Dissolved	Water	6020B	817154
500-267711-23	MW-41_20250501	Total Recoverable	Water	6020B	817154
500-267711-25	TBN-01_20250501	Dissolved	Water	6020B	817154
500-267711-25	TBN-01_20250501	Total Recoverable	Water	6020B	817154
500-267711-27	TBS-01_20250501	Dissolved	Water	6020B	817154
500-267711-27	TBS-01_20250501	Total Recoverable	Water	6020B	817154
500-267711-29	LKS-02_20250501	Dissolved	Water	6020B	817154
500-267711-29	LKS-02_20250501	Total Recoverable	Water	6020B	817154
500-267711-31	PNC-04_20250501	Dissolved	Water	6020B	817154
500-267711-31	PNC-04_20250501	Total Recoverable	Water	6020B	817154
MB 500-817153/1-A	Method Blank	Total Recoverable	Water	6020B	817153
MB 500-817154/1-A	Method Blank	Total Recoverable	Water	6020B	817154
LCS 500-817153/2-A	Lab Control Sample	Total Recoverable	Water	6020B	817153
LCS 500-817154/2-A	Lab Control Sample	Total Recoverable	Water	6020B	817154
500-267711-11 MS	NB2-3_20250430	Dissolved	Water	6020B	817154
500-267711-11 MSD	NB2-3_20250430	Dissolved	Water	6020B	817154
500-267711-11 DU	NB2-3_20250430	Dissolved	Water	6020B	817154

Metals

Analysis Batch: 817764

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-267711-11	NB2-3_20250430	Dissolved	Water	6020B	817154
500-267711-13	NTC-01_20250430	Dissolved	Water	6020B	817154
500-267711-13	NTC-01_20250430	Total Recoverable	Water	6020B	817154
500-267711-15	DUP-01-SW_20250430	Dissolved	Water	6020B	817154
500-267711-15	DUP-01-SW_20250430	Total Recoverable	Water	6020B	817154
500-267711-17	PRC-02_20250430	Dissolved	Water	6020B	817154
500-267711-17	PRC-02_20250430	Total Recoverable	Water	6020B	817154
500-267711-19	MLR-03_20250430	Dissolved	Water	6020B	817154
500-267711-19	MLR-03_20250430	Total Recoverable	Water	6020B	817154
500-267711-23	MW-41_20250501	Dissolved	Water	6020B	817154
500-267711-23	MW-41_20250501	Total Recoverable	Water	6020B	817154
500-267711-25	TBN-01_20250501	Dissolved	Water	6020B	817154
500-267711-25	TBN-01_20250501	Total Recoverable	Water	6020B	817154
500-267711-27	TBS-01_20250501	Dissolved	Water	6020B	817154
500-267711-27	TBS-01_20250501	Total Recoverable	Water	6020B	817154
500-267711-29	LKS-02_20250501	Dissolved	Water	6020B	817154
500-267711-29	LKS-02_20250501	Total Recoverable	Water	6020B	817154
500-267711-31	PNC-04_20250501	Dissolved	Water	6020B	817154
500-267711-31	PNC-04_20250501	Total Recoverable	Water	6020B	817154
MB 500-817154/1-A	Method Blank	Total Recoverable	Water	6020B	817154
LCS 500-817154/2-A	Lab Control Sample	Total Recoverable	Water	6020B	817154
500-267711-11 MS	NB2-3_20250430	Dissolved	Water	6020B	817154
500-267711-11 MSD	NB2-3_20250430	Dissolved	Water	6020B	817154
500-267711-11 DU	NB2-3_20250430	Dissolved	Water	6020B	817154

Prep Batch: 818670

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-267711-21	MW-37_20250501	Dissolved	Water	3005A	
500-267711-21	MW-37_20250501	Total Recoverable	Water	3005A	
MB 500-818670/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 500-818670/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Analysis Batch: 818847

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-267711-21	MW-37_20250501	Dissolved	Water	6020B	818670
500-267711-21	MW-37_20250501	Total Recoverable	Water	6020B	818670
MB 500-818670/1-A	Method Blank	Total Recoverable	Water	6020B	818670
LCS 500-818670/2-A	Lab Control Sample	Total Recoverable	Water	6020B	818670

Analysis Batch: 818853

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-267711-21	MW-37_20250501	Total Recoverable	Water	SM 2340B	818670

Analysis Batch: 818915

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-267711-21	MW-37_20250501	Dissolved	Water	6020B	818670
500-267711-21	MW-37_20250501	Total Recoverable	Water	6020B	818670
MB 500-818670/1-A	Method Blank	Total Recoverable	Water	6020B	818670
LCS 500-818670/2-A	Lab Control Sample	Total Recoverable	Water	6020B	818670

General Chemistry

Analysis Batch: 816170

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-267711-1	MW-35_20250430	Total/NA	Water	300.0	
500-267711-3	MW-36_20250430	Total/NA	Water	300.0	
500-267711-5	LKS-01_20250430	Total/NA	Water	300.0	
500-267711-7	SMW-1SB_20250430	Total/NA	Water	300.0	
500-267711-9	NB2-1_20250430	Total/NA	Water	300.0	
500-267711-11	NB2-3_20250430	Total/NA	Water	300.0	
500-267711-13	NTC-01_20250430	Total/NA	Water	300.0	
500-267711-15	DUP-01-SW_20250430	Total/NA	Water	300.0	
500-267711-17	PRC-02_20250430	Total/NA	Water	300.0	
500-267711-19	MLR-03_20250430	Total/NA	Water	300.0	
500-267711-21	MW-37_20250501	Total/NA	Water	300.0	
500-267711-23	MW-41_20250501	Total/NA	Water	300.0	
500-267711-25	TBN-01_20250501	Total/NA	Water	300.0	
500-267711-27	TBS-01_20250501	Total/NA	Water	300.0	
500-267711-29	LKS-02_20250501	Total/NA	Water	300.0	
500-267711-31	PNC-04_20250501	Total/NA	Water	300.0	
MB 500-816170/3	Method Blank	Total/NA	Water	300.0	
LCS 500-816170/4	Lab Control Sample	Total/NA	Water	300.0	
500-267711-9 MS	NB2-1_20250430	Total/NA	Water	300.0	
500-267711-9 MSD	NB2-1_20250430	Total/NA	Water	300.0	

Analysis Batch: 816171

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-267711-1	MW-35_20250430	Total/NA	Water	300.0	
500-267711-3	MW-36_20250430	Total/NA	Water	300.0	
500-267711-5	LKS-01_20250430	Total/NA	Water	300.0	
500-267711-7	SMW-1SB_20250430	Total/NA	Water	300.0	
500-267711-9	NB2-1_20250430	Total/NA	Water	300.0	
500-267711-11	NB2-3_20250430	Total/NA	Water	300.0	
500-267711-13	NTC-01_20250430	Total/NA	Water	300.0	
500-267711-15	DUP-01-SW_20250430	Total/NA	Water	300.0	
500-267711-17	PRC-02_20250430	Total/NA	Water	300.0	
500-267711-19	MLR-03_20250430	Total/NA	Water	300.0	
500-267711-21	MW-37_20250501	Total/NA	Water	300.0	
500-267711-23	MW-41_20250501	Total/NA	Water	300.0	
500-267711-25	TBN-01_20250501	Total/NA	Water	300.0	
500-267711-27	TBS-01_20250501	Total/NA	Water	300.0	
500-267711-29	LKS-02_20250501	Total/NA	Water	300.0	
500-267711-31	PNC-04_20250501	Total/NA	Water	300.0	
MB 500-816171/3	Method Blank	Total/NA	Water	300.0	
LCS 500-816171/4	Lab Control Sample	Total/NA	Water	300.0	
500-267711-9 MS	NB2-1_20250430	Total/NA	Water	300.0	
500-267711-9 MSD	NB2-1_20250430	Total/NA	Water	300.0	

Analysis Batch: 816410

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-267711-1	MW-35_20250430	Total/NA	Water	SM 2520B	
500-267711-3	MW-36_20250430	Total/NA	Water	SM 2520B	
500-267711-5	LKS-01_20250430	Total/NA	Water	SM 2520B	
500-267711-7	SMW-1SB_20250430	Total/NA	Water	SM 2520B	
500-267711-9	NB2-1_20250430	Total/NA	Water	SM 2520B	

General Chemistry (Continued)

Analysis Batch: 816410 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-267711-11	NB2-3_20250430	Total/NA	Water	SM 2520B	
500-267711-13	NTC-01_20250430	Total/NA	Water	SM 2520B	
500-267711-15	DUP-01-SW_20250430	Total/NA	Water	SM 2520B	
500-267711-17	PRC-02_20250430	Total/NA	Water	SM 2520B	

Analysis Batch: 816420

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-267711-1	MW-35_20250430	Total/NA	Water	SM 2540D	
500-267711-3	MW-36_20250430	Total/NA	Water	SM 2540D	
500-267711-5	LKS-01_20250430	Total/NA	Water	SM 2540D	
500-267711-7	SMW-1SB_20250430	Total/NA	Water	SM 2540D	
MB 500-816420/1	Method Blank	Total/NA	Water	SM 2540D	
LCS 500-816420/2	Lab Control Sample	Total/NA	Water	SM 2540D	
500-267711-7 MS	SMW-1SB_20250430	Total/NA	Water	SM 2540D	

Analysis Batch: 816498

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-267711-1	MW-35_20250430	Total/NA	Water	SM 4500 S2 F	
500-267711-3	MW-36_20250430	Total/NA	Water	SM 4500 S2 F	
500-267711-5	LKS-01_20250430	Total/NA	Water	SM 4500 S2 F	
500-267711-7	SMW-1SB_20250430	Total/NA	Water	SM 4500 S2 F	
500-267711-9	NB2-1_20250430	Total/NA	Water	SM 4500 S2 F	
500-267711-11	NB2-3_20250430	Total/NA	Water	SM 4500 S2 F	
500-267711-13	NTC-01_20250430	Total/NA	Water	SM 4500 S2 F	
500-267711-15	DUP-01-SW_20250430	Total/NA	Water	SM 4500 S2 F	
500-267711-17	PRC-02_20250430	Total/NA	Water	SM 4500 S2 F	
500-267711-19	MLR-03_20250430	Total/NA	Water	SM 4500 S2 F	
MB 500-816498/1	Method Blank	Total/NA	Water	SM 4500 S2 F	
LCS 500-816498/2	Lab Control Sample	Total/NA	Water	SM 4500 S2 F	

Analysis Batch: 816505

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-267711-9	NB2-1_20250430	Total/NA	Water	SM 2540D	
500-267711-11	NB2-3_20250430	Total/NA	Water	SM 2540D	
500-267711-13	NTC-01_20250430	Total/NA	Water	SM 2540D	
500-267711-15	DUP-01-SW_20250430	Total/NA	Water	SM 2540D	
500-267711-17	PRC-02_20250430	Total/NA	Water	SM 2540D	
500-267711-19	MLR-03_20250430	Total/NA	Water	SM 2540D	
MB 500-816505/1	Method Blank	Total/NA	Water	SM 2540D	
LCS 500-816505/2	Lab Control Sample	Total/NA	Water	SM 2540D	
500-267711-9 DU	NB2-1_20250430	Total/NA	Water	SM 2540D	

Analysis Batch: 816597

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-267711-21	MW-37_20250501	Total/NA	Water	SM 2540D	
500-267711-23	MW-41_20250501	Total/NA	Water	SM 2540D	
500-267711-25	TBN-01_20250501	Total/NA	Water	SM 2540D	
500-267711-27	TBS-01_20250501	Total/NA	Water	SM 2540D	
500-267711-29	LKS-02_20250501	Total/NA	Water	SM 2540D	
500-267711-31	PNC-04_20250501	Total/NA	Water	SM 2540D	
MB 500-816597/1	Method Blank	Total/NA	Water	SM 2540D	

General Chemistry (Continued)

Analysis Batch: 816597 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 500-816597/2	Lab Control Sample	Total/NA	Water	SM 2540D	
500-267711-25 DU	TBN-01_20250501	Total/NA	Water	SM 2540D	
500-267711-27 DU	TBS-01_20250501	Total/NA	Water	SM 2540D	

Analysis Batch: 816630

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-267711-1	MW-35_20250430	Total/NA	Water	SM 2540C	
500-267711-3	MW-36_20250430	Total/NA	Water	SM 2540C	
500-267711-5	LKS-01_20250430	Total/NA	Water	SM 2540C	
500-267711-7	SMW-1SB_20250430	Total/NA	Water	SM 2540C	
MB 500-816630/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-816630/2	Lab Control Sample	Total/NA	Water	SM 2540C	

Analysis Batch: 816633

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-267711-9	NB2-1_20250430	Total/NA	Water	SM 2540C	
500-267711-11	NB2-3_20250430	Total/NA	Water	SM 2540C	
500-267711-13	NTC-01_20250430	Total/NA	Water	SM 2540C	
500-267711-15	DUP-01-SW_20250430	Total/NA	Water	SM 2540C	
500-267711-17	PRC-02_20250430	Total/NA	Water	SM 2540C	
500-267711-19	MLR-03_20250430	Total/NA	Water	SM 2540C	
500-267711-21	MW-37_20250501	Total/NA	Water	SM 2540C	
500-267711-23	MW-41_20250501	Total/NA	Water	SM 2540C	
500-267711-25	TBN-01_20250501	Total/NA	Water	SM 2540C	
500-267711-27	TBS-01_20250501	Total/NA	Water	SM 2540C	
500-267711-29	LKS-02_20250501	Total/NA	Water	SM 2540C	
500-267711-31	PNC-04_20250501	Total/NA	Water	SM 2540C	
MB 500-816633/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-816633/2	Lab Control Sample	Total/NA	Water	SM 2540C	

Analysis Batch: 816685

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-267711-1	MW-35_20250430	Total/NA	Water	SM 2320B	
500-267711-3	MW-36_20250430	Total/NA	Water	SM 2320B	
500-267711-5	LKS-01_20250430	Total/NA	Water	SM 2320B	
500-267711-7	SMW-1SB_20250430	Total/NA	Water	SM 2320B	
500-267711-9	NB2-1_20250430	Total/NA	Water	SM 2320B	
500-267711-11	NB2-3_20250430	Total/NA	Water	SM 2320B	
500-267711-13	NTC-01_20250430	Total/NA	Water	SM 2320B	
500-267711-15	DUP-01-SW_20250430	Total/NA	Water	SM 2320B	
500-267711-17	PRC-02_20250430	Total/NA	Water	SM 2320B	
500-267711-19	MLR-03_20250430	Total/NA	Water	SM 2320B	
500-267711-21	MW-37_20250501	Total/NA	Water	SM 2320B	
500-267711-23	MW-41_20250501	Total/NA	Water	SM 2320B	
MB 500-816685/104	Method Blank	Total/NA	Water	SM 2320B	
LCS 500-816685/105	Lab Control Sample	Total/NA	Water	SM 2320B	

Analysis Batch: 816808

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-267711-21	MW-37_20250501	Total/NA	Water	SM 4500 S2 F	
500-267711-23	MW-41_20250501	Total/NA	Water	SM 4500 S2 F	

General Chemistry (Continued)

Analysis Batch: 816808 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-267711-25	TBN-01_20250501	Total/NA	Water	SM 4500 S2 F	
500-267711-27	TBS-01_20250501	Total/NA	Water	SM 4500 S2 F	
500-267711-29	LKS-02_20250501	Total/NA	Water	SM 4500 S2 F	
500-267711-31	PNC-04_20250501	Total/NA	Water	SM 4500 S2 F	
MB 500-816808/1	Method Blank	Total/NA	Water	SM 4500 S2 F	
LCS 500-816808/2	Lab Control Sample	Total/NA	Water	SM 4500 S2 F	

Analysis Batch: 816837

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-267711-21	MW-37_20250501	Total/NA	Water	SM 2520B	
500-267711-23	MW-41_20250501	Total/NA	Water	SM 2520B	
500-267711-25	TBN-01_20250501	Total/NA	Water	SM 2520B	
500-267711-27	TBS-01_20250501	Total/NA	Water	SM 2520B	
500-267711-31	PNC-04_20250501	Total/NA	Water	SM 2520B	

Prep Batch: 816881

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-267711-1	MW-35_20250430	Total/NA	Water	365.2/365.3/365	
500-267711-3	MW-36_20250430	Total/NA	Water	365.2/365.3/365	
500-267711-5	LKS-01_20250430	Total/NA	Water	365.2/365.3/365	
500-267711-7	SMW-1SB_20250430	Total/NA	Water	365.2/365.3/365	
500-267711-9	NB2-1_20250430	Total/NA	Water	365.2/365.3/365	
500-267711-11	NB2-3_20250430	Total/NA	Water	365.2/365.3/365	
500-267711-13	NTC-01_20250430	Total/NA	Water	365.2/365.3/365	
500-267711-15	DUP-01-SW_20250430	Total/NA	Water	365.2/365.3/365	
500-267711-17	PRC-02_20250430	Total/NA	Water	365.2/365.3/365	
MB 500-816881/1-A	Method Blank	Total/NA	Water	365.2/365.3/365	
LCS 500-816881/2-A	Lab Control Sample	Total/NA	Water	365.2/365.3/365	

Prep Batch: 816954

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-267711-1	MW-35_20250430	Total/NA	Water	Distill/CN	
500-267711-3	MW-36_20250430	Total/NA	Water	Distill/CN	
500-267711-5	LKS-01_20250430	Total/NA	Water	Distill/CN	
500-267711-7	SMW-1SB_20250430	Total/NA	Water	Distill/CN	
500-267711-9	NB2-1_20250430	Total/NA	Water	Distill/CN	
MB 500-816954/1-A	Method Blank	Total/NA	Water	Distill/CN	
LCS 500-816954/2-A	Lab Control Sample	Total/NA	Water	Distill/CN	
500-267711-9 MS	NB2-1_20250430	Total/NA	Water	Distill/CN	
500-267711-9 MSD	NB2-1_20250430	Total/NA	Water	Distill/CN	

Prep Batch: 816980

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-267711-11	NB2-3_20250430	Total/NA	Water	Distill/CN	
500-267711-13	NTC-01_20250430	Total/NA	Water	Distill/CN	
500-267711-15	DUP-01-SW_20250430	Total/NA	Water	Distill/CN	
500-267711-17	PRC-02_20250430	Total/NA	Water	Distill/CN	
500-267711-19	MLR-03_20250430	Total/NA	Water	Distill/CN	
500-267711-21	MW-37_20250501	Total/NA	Water	Distill/CN	
500-267711-23	MW-41_20250501	Total/NA	Water	Distill/CN	
500-267711-25	TBN-01_20250501	Total/NA	Water	Distill/CN	

General Chemistry (Continued)

Prep Batch: 816980 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-267711-27	TBS-01_20250501	Total/NA	Water	Distill/CN	
MB 500-816980/1-A	Method Blank	Total/NA	Water	Distill/CN	
LCS 500-816980/2-A	Lab Control Sample	Total/NA	Water	Distill/CN	

Analysis Batch: 817118

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-267711-1	MW-35_20250430	Total/NA	Water	365.1	816881
500-267711-3	MW-36_20250430	Total/NA	Water	365.1	816881
500-267711-5	LKS-01_20250430	Total/NA	Water	365.1	816881
500-267711-7	SMW-1SB_20250430	Total/NA	Water	365.1	816881
500-267711-9	NB2-1_20250430	Total/NA	Water	365.1	816881
500-267711-11	NB2-3_20250430	Total/NA	Water	365.1	816881
500-267711-13	NTC-01_20250430	Total/NA	Water	365.1	816881
500-267711-15	DUP-01-SW_20250430	Total/NA	Water	365.1	816881
500-267711-17	PRC-02_20250430	Total/NA	Water	365.1	816881
MB 500-816881/1-A	Method Blank	Total/NA	Water	365.1	816881
LCS 500-816881/2-A	Lab Control Sample	Total/NA	Water	365.1	816881

Analysis Batch: 817121

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-267711-1	MW-35_20250430	Total/NA	Water	335.4	816954
500-267711-3	MW-36_20250430	Total/NA	Water	335.4	816954
500-267711-5	LKS-01_20250430	Total/NA	Water	335.4	816954
500-267711-7	SMW-1SB_20250430	Total/NA	Water	335.4	816954
500-267711-9	NB2-1_20250430	Total/NA	Water	335.4	816954
MB 500-816954/1-A	Method Blank	Total/NA	Water	335.4	816954
LCS 500-816954/2-A	Lab Control Sample	Total/NA	Water	335.4	816954
500-267711-9 MS	NB2-1_20250430	Total/NA	Water	335.4	816954
500-267711-9 MSD	NB2-1_20250430	Total/NA	Water	335.4	816954

Analysis Batch: 817134

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-267711-25	TBN-01_20250501	Total/NA	Water	SM 2320B	
500-267711-27	TBS-01_20250501	Total/NA	Water	SM 2320B	
500-267711-29	LKS-02_20250501	Total/NA	Water	SM 2320B	
500-267711-31	PNC-04_20250501	Total/NA	Water	SM 2320B	
MB 500-817134/3	Method Blank	Total/NA	Water	SM 2320B	
LCS 500-817134/4	Lab Control Sample	Total/NA	Water	SM 2320B	

Analysis Batch: 817172

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-267711-11	NB2-3_20250430	Total/NA	Water	335.4	816980
500-267711-13	NTC-01_20250430	Total/NA	Water	335.4	816980
500-267711-15	DUP-01-SW_20250430	Total/NA	Water	335.4	816980
500-267711-17	PRC-02_20250430	Total/NA	Water	335.4	816980
500-267711-19	MLR-03_20250430	Total/NA	Water	335.4	816980
500-267711-21	MW-37_20250501	Total/NA	Water	335.4	816980
500-267711-23	MW-41_20250501	Total/NA	Water	335.4	816980
500-267711-25	TBN-01_20250501	Total/NA	Water	335.4	816980
500-267711-27	TBS-01_20250501	Total/NA	Water	335.4	816980
MB 500-816980/1-A	Method Blank	Total/NA	Water	335.4	816980

General Chemistry (Continued)

Analysis Batch: 817172 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 500-816980/2-A	Lab Control Sample	Total/NA	Water	335.4	816980

Prep Batch: 817189

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-267711-29	LKS-02_20250501	Total/NA	Water	Distill/CN	
500-267711-31	PNC-04_20250501	Total/NA	Water	Distill/CN	
MB 500-817189/1-A	Method Blank	Total/NA	Water	Distill/CN	
LCS 500-817189/2-A	Lab Control Sample	Total/NA	Water	Distill/CN	

Analysis Batch: 817193

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-267711-19	MLR-03_20250430	Total/NA	Water	SM 2520B	
500-267711-29	LKS-02_20250501	Total/NA	Water	SM 2520B	

Analysis Batch: 817297

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-267711-29	LKS-02_20250501	Total/NA	Water	335.4	817189
500-267711-31	PNC-04_20250501	Total/NA	Water	335.4	817189
MB 500-817189/1-A	Method Blank	Total/NA	Water	335.4	817189
LCS 500-817189/2-A	Lab Control Sample	Total/NA	Water	335.4	817189

Prep Batch: 817630

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-267711-19	MLR-03_20250430	Total/NA	Water	365.2/365.3/365	
500-267711-21	MW-37_20250501	Total/NA	Water	365.2/365.3/365	
500-267711-23	MW-41_20250501	Total/NA	Water	365.2/365.3/365	
500-267711-25	TBN-01_20250501	Total/NA	Water	365.2/365.3/365	
500-267711-27	TBS-01_20250501	Total/NA	Water	365.2/365.3/365	
500-267711-29	LKS-02_20250501	Total/NA	Water	365.2/365.3/365	
500-267711-31	PNC-04_20250501	Total/NA	Water	365.2/365.3/365	
MB 500-817630/1-A	Method Blank	Total/NA	Water	365.2/365.3/365	
LCS 500-817630/2-A	Lab Control Sample	Total/NA	Water	365.2/365.3/365	
500-267711-25 MS	TBN-01_20250501	Total/NA	Water	365.2/365.3/365	
500-267711-25 MSD	TBN-01_20250501	Total/NA	Water	365.2/365.3/365	

Analysis Batch: 818108

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-267711-1	MW-35_20250430	Total/NA	Water	SM 5310C	
500-267711-3	MW-36_20250430	Total/NA	Water	SM 5310C	
500-267711-5	LKS-01_20250430	Total/NA	Water	SM 5310C	
500-267711-7	SMW-1SB_20250430	Total/NA	Water	SM 5310C	
500-267711-9	NB2-1_20250430	Total/NA	Water	SM 5310C	
500-267711-11	NB2-3_20250430	Total/NA	Water	SM 5310C	
500-267711-13	NTC-01_20250430	Total/NA	Water	SM 5310C	
500-267711-15	DUP-01-SW_20250430	Total/NA	Water	SM 5310C	
500-267711-17	PRC-02_20250430	Total/NA	Water	SM 5310C	
500-267711-19	MLR-03_20250430	Total/NA	Water	SM 5310C	
500-267711-21	MW-37_20250501	Total/NA	Water	SM 5310C	
500-267711-23	MW-41_20250501	Total/NA	Water	SM 5310C	
500-267711-25	TBN-01_20250501	Total/NA	Water	SM 5310C	
500-267711-27	TBS-01_20250501	Total/NA	Water	SM 5310C	

General Chemistry (Continued)

Analysis Batch: 818108 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-267711-29	LKS-02_20250501	Total/NA	Water	SM 5310C	
500-267711-31	PNC-04_20250501	Total/NA	Water	SM 5310C	
MB 500-818108/7	Method Blank	Total/NA	Water	SM 5310C	
LCS 500-818108/8	Lab Control Sample	Total/NA	Water	SM 5310C	
500-267711-3 MS	MW-36_20250430	Total/NA	Water	SM 5310C	
500-267711-3 MSD	MW-36_20250430	Total/NA	Water	SM 5310C	

Analysis Batch: 818109

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-267711-1	MW-35_20250430	Dissolved	Water	SM 5310C	
500-267711-3	MW-36_20250430	Dissolved	Water	SM 5310C	
500-267711-5	LKS-01_20250430	Dissolved	Water	SM 5310C	
500-267711-7	SMW-1SB_20250430	Dissolved	Water	SM 5310C	
500-267711-9	NB2-1_20250430	Dissolved	Water	SM 5310C	
500-267711-11	NB2-3_20250430	Dissolved	Water	SM 5310C	
500-267711-13	NTC-01_20250430	Dissolved	Water	SM 5310C	
500-267711-15	DUP-01-SW_20250430	Dissolved	Water	SM 5310C	
500-267711-17	PRC-02_20250430	Dissolved	Water	SM 5310C	
500-267711-19	MLR-03_20250430	Dissolved	Water	SM 5310C	
500-267711-21	MW-37_20250501	Dissolved	Water	SM 5310C	
500-267711-23	MW-41_20250501	Dissolved	Water	SM 5310C	
500-267711-25	TBN-01_20250501	Dissolved	Water	SM 5310C	
500-267711-27	TBS-01_20250501	Dissolved	Water	SM 5310C	
500-267711-29	LKS-02_20250501	Dissolved	Water	SM 5310C	
500-267711-31	PNC-04_20250501	Dissolved	Water	SM 5310C	
MB 500-818109/31	Method Blank	Dissolved	Water	SM 5310C	
LCS 500-818109/32	Lab Control Sample	Dissolved	Water	SM 5310C	
500-267711-3 MS	MW-36_20250430	Dissolved	Water	SM 5310C	
500-267711-3 MSD	MW-36_20250430	Dissolved	Water	SM 5310C	

Analysis Batch: 818259

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-267711-19	MLR-03_20250430	Total/NA	Water	365.1	817630
500-267711-21	MW-37_20250501	Total/NA	Water	365.1	817630
500-267711-23	MW-41_20250501	Total/NA	Water	365.1	817630
500-267711-25	TBN-01_20250501	Total/NA	Water	365.1	817630
500-267711-27	TBS-01_20250501	Total/NA	Water	365.1	817630
500-267711-29	LKS-02_20250501	Total/NA	Water	365.1	817630
500-267711-31	PNC-04_20250501	Total/NA	Water	365.1	817630
MB 500-817630/1-A	Method Blank	Total/NA	Water	365.1	817630
LCS 500-817630/2-A	Lab Control Sample	Total/NA	Water	365.1	817630
500-267711-25 MS	TBN-01_20250501	Total/NA	Water	365.1	817630
500-267711-25 MSD	TBN-01_20250501	Total/NA	Water	365.1	817630

Prep Batch: 818579

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-267711-1	MW-35_20250430	Total/NA	Water	Distill/Ammonia	
500-267711-3	MW-36_20250430	Total/NA	Water	Distill/Ammonia	
500-267711-5	LKS-01_20250430	Total/NA	Water	Distill/Ammonia	
MB 500-818579/1-A	Method Blank	Total/NA	Water	Distill/Ammonia	
LCS 500-818579/2-A	Lab Control Sample	Total/NA	Water	Distill/Ammonia	

General Chemistry

Analysis Batch: 818637

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-267711-1	MW-35_20250430	Total/NA	Water	350.1	818579
500-267711-3	MW-36_20250430	Total/NA	Water	350.1	818579
500-267711-5	LKS-01_20250430	Total/NA	Water	350.1	818579
MB 500-818579/1-A	Method Blank	Total/NA	Water	350.1	818579
LCS 500-818579/2-A	Lab Control Sample	Total/NA	Water	350.1	818579

Prep Batch: 818723

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-267711-7	SMW-1SB_20250430	Total/NA	Water	Distill/Ammonia	
500-267711-9	NB2-1_20250430	Total/NA	Water	Distill/Ammonia	
500-267711-11	NB2-3_20250430	Total/NA	Water	Distill/Ammonia	
500-267711-13	NTC-01_20250430	Total/NA	Water	Distill/Ammonia	
500-267711-15	DUP-01-SW_20250430	Total/NA	Water	Distill/Ammonia	
500-267711-17	PRC-02_20250430	Total/NA	Water	Distill/Ammonia	
500-267711-19	MLR-03_20250430	Total/NA	Water	Distill/Ammonia	
500-267711-21	MW-37_20250501	Total/NA	Water	Distill/Ammonia	
500-267711-23	MW-41_20250501	Total/NA	Water	Distill/Ammonia	
500-267711-25	TBN-01_20250501	Total/NA	Water	Distill/Ammonia	
500-267711-27	TBS-01_20250501	Total/NA	Water	Distill/Ammonia	
500-267711-29	LKS-02_20250501	Total/NA	Water	Distill/Ammonia	
500-267711-31	PNC-04_20250501	Total/NA	Water	Distill/Ammonia	
MB 500-818723/1-A	Method Blank	Total/NA	Water	Distill/Ammonia	
LCS 500-818723/2-A	Lab Control Sample	Total/NA	Water	Distill/Ammonia	

Analysis Batch: 818865

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-267711-7	SMW-1SB_20250430	Total/NA	Water	350.1	818723
500-267711-9	NB2-1_20250430	Total/NA	Water	350.1	818723
500-267711-11	NB2-3_20250430	Total/NA	Water	350.1	818723
500-267711-13	NTC-01_20250430	Total/NA	Water	350.1	818723
500-267711-15	DUP-01-SW_20250430	Total/NA	Water	350.1	818723
500-267711-17	PRC-02_20250430	Total/NA	Water	350.1	818723
500-267711-19	MLR-03_20250430	Total/NA	Water	350.1	818723
500-267711-21	MW-37_20250501	Total/NA	Water	350.1	818723
500-267711-23	MW-41_20250501	Total/NA	Water	350.1	818723
500-267711-25	TBN-01_20250501	Total/NA	Water	350.1	818723
500-267711-27	TBS-01_20250501	Total/NA	Water	350.1	818723
500-267711-29	LKS-02_20250501	Total/NA	Water	350.1	818723
500-267711-31	PNC-04_20250501	Total/NA	Water	350.1	818723
MB 500-818723/1-A	Method Blank	Total/NA	Water	350.1	818723
LCS 500-818723/2-A	Lab Control Sample	Total/NA	Water	350.1	818723

Method: 1630 - Methyl Mercury

Lab Sample ID: MB 350-6988/1-A
Matrix: Water
Analysis Batch: 7043

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 6988

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		05/23/25 10:57	05/23/25 20:22	1

Lab Sample ID: MB 350-6988/2-A
Matrix: Water
Analysis Batch: 7043

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 6988

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		05/23/25 10:57	05/23/25 20:33	1

Lab Sample ID: MB 350-6988/3-A
Matrix: Water
Analysis Batch: 7043

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 6988

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		05/23/25 10:57	05/23/25 20:43	1

Lab Sample ID: LCS 350-6988/4-A
Matrix: Water
Analysis Batch: 7043

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 6988

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Methyl Mercury			1.00	1.04		ng/L		104	65 - 135		

Lab Sample ID: LCSD 350-6988/5-A
Matrix: Water
Analysis Batch: 7043

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 6988

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Methyl Mercury			1.00	0.928		ng/L		93	65 - 135	11	35

Lab Sample ID: 500-267711-17 MS
Matrix: Water
Analysis Batch: 7043

Client Sample ID: PRC-02_20250430
Prep Type: Total/NA
Prep Batch: 6988

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Methyl Mercury	0.033	J	1.00	0.947		ng/L		91	65 - 135		

Lab Sample ID: 500-267711-17 MSD
Matrix: Water
Analysis Batch: 7043

Client Sample ID: PRC-02_20250430
Prep Type: Total/NA
Prep Batch: 6988

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Methyl Mercury	0.033	J	1.00	0.951		ng/L		92	65 - 135	0	35

Lab Sample ID: 500-267711-29 MS
Matrix: Water
Analysis Batch: 7043

Client Sample ID: LKS-02_20250501
Prep Type: Total/NA
Prep Batch: 6988

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Methyl Mercury	0.038	J	1.00	0.997		ng/L		96	65 - 135		

Method: 1630 - Methyl Mercury

Lab Sample ID: 500-267711-29 MSD
Matrix: Water
Analysis Batch: 7043

Client Sample ID: LKS-02_20250501
Prep Type: Total/NA
Prep Batch: 6988

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Methyl Mercury	0.038	J	1.00	0.969		ng/L		93	65 - 135	3	35

Lab Sample ID: MB 350-7302/1-A
Matrix: Water
Analysis Batch: 7378

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 7302

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		06/11/25 08:48	06/12/25 12:55	1

Lab Sample ID: MB 350-7302/2-A
Matrix: Water
Analysis Batch: 7378

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 7302

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		06/11/25 08:48	06/12/25 13:05	1

Lab Sample ID: MB 350-7302/3-A
Matrix: Water
Analysis Batch: 7378

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 7302

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		06/11/25 08:48	06/12/25 13:15	1

Lab Sample ID: LCS 350-7302/4-A
Matrix: Water
Analysis Batch: 7378

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 7302

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Methyl Mercury	1.00	0.867		ng/L		87	65 - 135

Lab Sample ID: LCSD 350-7302/5-A
Matrix: Water
Analysis Batch: 7378

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 7302

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Methyl Mercury	1.00	0.963		ng/L		96	65 - 135	11	35

Method: 1631E - Mercury, Low Level (CVAFS)

Lab Sample ID: MB 350-6929/17
Matrix: Water
Analysis Batch: 6929

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			05/20/25 14:33	1

Method: 1631E - Mercury, Low Level (CVAFS) (Continued)

Lab Sample ID: MB 350-6929/18
Matrix: Water
Analysis Batch: 6929

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			05/20/25 14:37	1

Lab Sample ID: MB 350-6929/19
Matrix: Water
Analysis Batch: 6929

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			05/20/25 14:41	1

Lab Sample ID: MB 350-6929/20
Matrix: Water
Analysis Batch: 6929

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			05/20/25 14:45	1

Lab Sample ID: MB 350-6929/23
Matrix: Water
Analysis Batch: 6929

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			05/20/25 14:58	1

Lab Sample ID: MB 350-6929/24
Matrix: Water
Analysis Batch: 6929

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			05/20/25 15:02	1

Lab Sample ID: MB 350-6929/25
Matrix: Water
Analysis Batch: 6929

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			05/20/25 15:06	1

Lab Sample ID: MB 350-6929/26
Matrix: Water
Analysis Batch: 6929

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			05/20/25 15:10	1

Lab Sample ID: MB 350-6929/27
Matrix: Water
Analysis Batch: 6929

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			05/20/25 15:14	1

Method: 1631E - Mercury, Low Level (CVAFS)

Lab Sample ID: LCS 350-6929/28
Matrix: Water
Analysis Batch: 6929

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	5.00	4.79		ng/L		96	77 - 123

Lab Sample ID: LCS 350-6929/58
Matrix: Water
Analysis Batch: 6929

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	5.00	4.62		ng/L		92	77 - 123

Lab Sample ID: LCS 350-6929/86
Matrix: Water
Analysis Batch: 6929

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	5.00	4.45		ng/L		89	77 - 123

Lab Sample ID: LCSD 350-6929/29
Matrix: Water
Analysis Batch: 6929

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	5.00	4.79		ng/L		96	77 - 123	0	24

Lab Sample ID: LCSD 350-6929/59
Matrix: Water
Analysis Batch: 6929

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	5.00	4.61		ng/L		92	77 - 123	0	24

Lab Sample ID: LCSD 350-6929/87
Matrix: Water
Analysis Batch: 6929

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	5.00	4.39		ng/L		88	77 - 123	1	24

Lab Sample ID: MB 350-7056/83
Matrix: Water
Analysis Batch: 7056

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			05/27/25 16:31	1

Lab Sample ID: MB 350-7056/84
Matrix: Water
Analysis Batch: 7056

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			05/27/25 16:35	1

Method: 1631E - Mercury, Low Level (CVAFS)

Lab Sample ID: MB 350-7056/85
Matrix: Water
Analysis Batch: 7056

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			05/27/25 16:39	1

Lab Sample ID: LCS 350-7056/86
Matrix: Water
Analysis Batch: 7056

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	5.00	4.37		ng/L		87	77 - 123

Lab Sample ID: LCSD 350-7056/87
Matrix: Water
Analysis Batch: 7056

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	5.00	4.48		ng/L		90	77 - 123	3	24

Method: 1638 - Metals (ICP/MS)

Lab Sample ID: MB 350-6941/1-A
Matrix: Water
Analysis Batch: 6989

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 6941

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	<0.0098		0.050	0.0098	ug/L		05/21/25 13:55	05/22/25 14:54	1

Lab Sample ID: MB 350-6941/2-A
Matrix: Water
Analysis Batch: 6989

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 6941

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	<0.0098		0.050	0.0098	ug/L		05/21/25 13:55	05/22/25 14:58	1

Lab Sample ID: LCS 350-6941/3-A
Matrix: Water
Analysis Batch: 6989

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 6941

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Uranium	50.0	50.0		ug/L		100	85 - 115

Lab Sample ID: LCSD 350-6941/4-A
Matrix: Water
Analysis Batch: 6989

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 6941

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Uranium	50.0	49.1		ug/L		98	85 - 115	2	20

Method: 1638 - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 350-6942/1-A
Matrix: Water
Analysis Batch: 6989

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 6942

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	<0.0098		0.050	0.0098	ug/L		05/21/25 13:55	05/22/25 16:54	1

Lab Sample ID: MB 350-6942/2-A
Matrix: Water
Analysis Batch: 6989

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 6942

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	<0.0098		0.050	0.0098	ug/L		05/21/25 13:55	05/22/25 16:58	1

Lab Sample ID: LCS 350-6942/3-A
Matrix: Water
Analysis Batch: 6989

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 6942

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Uranium	50.0	49.6		ug/L		99	85 - 115

Lab Sample ID: LCSD 350-6942/4-A
Matrix: Water
Analysis Batch: 6989

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 6942

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Uranium	50.0	49.3		ug/L		99	85 - 115	1	20

Lab Sample ID: 500-267711-17 MS
Matrix: Water
Analysis Batch: 6989

Client Sample ID: PRC-02_20250430
Prep Type: Total Recoverable
Prep Batch: 6942

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Uranium	0.38		50.0	52.5		ug/L		104	70 - 130

Lab Sample ID: 500-267711-17 MSD
Matrix: Water
Analysis Batch: 6989

Client Sample ID: PRC-02_20250430
Prep Type: Total Recoverable
Prep Batch: 6942

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Uranium	0.38		50.0	52.9		ug/L		105	70 - 130	1	20

Lab Sample ID: MB 350-6943/1-A
Matrix: Water
Analysis Batch: 6989

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 6943

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	<0.0098		0.050	0.0098	ug/L		05/21/25 13:55	05/22/25 19:01	1

Lab Sample ID: MB 350-6943/2-A
Matrix: Water
Analysis Batch: 6989

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 6943

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	<0.0098		0.050	0.0098	ug/L		05/21/25 13:55	05/22/25 19:05	1

Method: 1638 - Metals (ICP/MS)

Lab Sample ID: LCS 350-6943/3-A
Matrix: Water
Analysis Batch: 6989

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 6943

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Uranium			50.0	49.0		ug/L		98	85 - 115		

Lab Sample ID: LCSD 350-6943/4-A
Matrix: Water
Analysis Batch: 6989

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 6943

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Uranium			50.0	49.3		ug/L		99	85 - 115	1	20

Lab Sample ID: 500-267711-21 MS
Matrix: Water
Analysis Batch: 6989

Client Sample ID: MW-37_20250501
Prep Type: Total Recoverable
Prep Batch: 6943

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Uranium	0.38		50.0	51.9		ug/L		103	70 - 130		

Lab Sample ID: 500-267711-21 MSD
Matrix: Water
Analysis Batch: 6989

Client Sample ID: MW-37_20250501
Prep Type: Total Recoverable
Prep Batch: 6943

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Uranium	0.38		50.0	52.2		ug/L		104	70 - 130	1	20

Lab Sample ID: 500-267711-23 MS
Matrix: Water
Analysis Batch: 6989

Client Sample ID: MW-41_20250501
Prep Type: Total Recoverable
Prep Batch: 6943

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Uranium	12		50.0	63.0		ug/L		102	70 - 130		

Lab Sample ID: 500-267711-23 MSD
Matrix: Water
Analysis Batch: 6989

Client Sample ID: MW-41_20250501
Prep Type: Total Recoverable
Prep Batch: 6943

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Uranium	12		50.0	62.8		ug/L		102	70 - 130	0	20

Lab Sample ID: 500-267711-29 MS
Matrix: Water
Analysis Batch: 6989

Client Sample ID: LKS-02_20250501
Prep Type: Dissolved
Prep Batch: 6942

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Uranium	0.091		50.0	50.5		ug/L		101	70 - 130		

Lab Sample ID: 500-267711-29 MSD
Matrix: Water
Analysis Batch: 6989

Client Sample ID: LKS-02_20250501
Prep Type: Dissolved
Prep Batch: 6942

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Uranium	0.091		50.0	50.5		ug/L		101	70 - 130	0	20

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 500-817153/1-A
Matrix: Water
Analysis Batch: 817408

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 817153

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.3		3.0	1.3	ug/L		05/09/25 15:42	05/12/25 17:04	1
Arsenic	<0.23		1.0	0.23	ug/L		05/09/25 15:42	05/12/25 17:04	1
Barium	<0.73	^5+	2.5	0.73	ug/L		05/09/25 15:42	05/12/25 17:04	1
Beryllium	<0.53		1.0	0.53	ug/L		05/09/25 15:42	05/12/25 17:04	1
Boron	15.0	J	50	13	ug/L		05/09/25 15:42	05/12/25 17:04	1
Cadmium	<0.17		0.50	0.17	ug/L		05/09/25 15:42	05/12/25 17:04	1
Chromium	<1.1		5.0	1.1	ug/L		05/09/25 15:42	05/12/25 17:04	1
Cobalt	<0.40		1.0	0.40	ug/L		05/09/25 15:42	05/12/25 17:04	1
Iron	<47		100	47	ug/L		05/09/25 15:42	05/12/25 17:04	1
Lead	<0.19		0.50	0.19	ug/L		05/09/25 15:42	05/12/25 17:04	1
Magnesium	<49		200	49	ug/L		05/09/25 15:42	05/12/25 17:04	1
Manganese	<0.79		2.5	0.79	ug/L		05/09/25 15:42	05/12/25 17:04	1
Molybdenum	<2.5		5.0	2.5	ug/L		05/09/25 15:42	05/12/25 17:04	1
Nickel	<0.63		2.0	0.63	ug/L		05/09/25 15:42	05/12/25 17:04	1
Potassium	<110		500	110	ug/L		05/09/25 15:42	05/12/25 17:04	1
Selenium	<0.98		2.5	0.98	ug/L		05/09/25 15:42	05/12/25 17:04	1
Silver	<0.12		0.50	0.12	ug/L		05/09/25 15:42	05/12/25 17:04	1
Sodium	<77		200	77	ug/L		05/09/25 15:42	05/12/25 17:04	1
Strontium	<0.64	^5+	4.0	0.64	ug/L		05/09/25 15:42	05/12/25 17:04	1
Thallium	<0.57		2.0	0.57	ug/L		05/09/25 15:42	05/12/25 17:04	1
Tin	<1.3		5.0	1.3	ug/L		05/09/25 15:42	05/12/25 17:04	1
Vanadium	<2.2		5.0	2.2	ug/L		05/09/25 15:42	05/12/25 17:04	1
Zinc	<6.9		20	6.9	ug/L		05/09/25 15:42	05/12/25 17:04	1

Lab Sample ID: MB 500-817153/1-A
Matrix: Water
Analysis Batch: 817602

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 817153

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<25		100	25	ug/L		05/09/25 15:42	05/13/25 16:37	1
Calcium	<44		200	44	ug/L		05/09/25 15:42	05/13/25 16:37	1
Copper	<0.50		2.0	0.50	ug/L		05/09/25 15:42	05/13/25 16:37	1
Lithium	<2.5		10	2.5	ug/L		05/09/25 15:42	05/13/25 16:37	1

Lab Sample ID: LCS 500-817153/2-A
Matrix: Water
Analysis Batch: 817408

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 817153

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	500	527		ug/L		105	80 - 120
Arsenic	100	102		ug/L		102	80 - 120
Barium	500	519	^5+	ug/L		104	80 - 120
Beryllium	50.0	52.0		ug/L		104	80 - 120
Boron	1000	1020		ug/L		102	80 - 120
Cadmium	50.0	52.0		ug/L		104	80 - 120
Chromium	200	203		ug/L		102	80 - 120
Cobalt	500	540		ug/L		108	80 - 120
Iron	1000	1080		ug/L		108	80 - 120
Lead	100	106		ug/L		106	80 - 120

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 500-817153/2-A
Matrix: Water
Analysis Batch: 817408

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 817153

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Magnesium	10000	10900		ug/L		109	80 - 120
Manganese	500	524		ug/L		105	80 - 120
Molybdenum	1000	1050		ug/L		105	80 - 120
Nickel	500	528		ug/L		106	80 - 120
Potassium	10000	10700		ug/L		107	80 - 120
Selenium	100	99.9		ug/L		100	80 - 120
Silver	50.0	53.0		ug/L		106	80 - 120
Sodium	10000	10900		ug/L		109	80 - 120
Strontium	1000	1110	^5+	ug/L		111	80 - 120
Thallium	100	110		ug/L		110	80 - 120
Tin	1000	1080		ug/L		108	80 - 120
Vanadium	500	528		ug/L		106	80 - 120
Zinc	500	511		ug/L		102	80 - 120

Lab Sample ID: LCS 500-817153/2-A
Matrix: Water
Analysis Batch: 817602

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 817153

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	2000	2000		ug/L		100	80 - 120
Calcium	10000	9240		ug/L		92	80 - 120
Copper	250	258		ug/L		103	80 - 120
Lithium	100	110		ug/L		110	80 - 120

Lab Sample ID: MB 500-817154/1-A
Matrix: Water
Analysis Batch: 817602

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 817154

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<25		100	25	ug/L		05/09/25 15:45	05/13/25 18:44	1
Antimony	<1.3		3.0	1.3	ug/L		05/09/25 15:45	05/13/25 18:44	1
Arsenic	<0.23		1.0	0.23	ug/L		05/09/25 15:45	05/13/25 18:44	1
Barium	<0.73		2.5	0.73	ug/L		05/09/25 15:45	05/13/25 18:44	1
Beryllium	<0.53		1.0	0.53	ug/L		05/09/25 15:45	05/13/25 18:44	1
Boron	<13		50	13	ug/L		05/09/25 15:45	05/13/25 18:44	1
Cadmium	<0.17		0.50	0.17	ug/L		05/09/25 15:45	05/13/25 18:44	1
Calcium	<44		200	44	ug/L		05/09/25 15:45	05/13/25 18:44	1
Chromium	<1.1		5.0	1.1	ug/L		05/09/25 15:45	05/13/25 18:44	1
Cobalt	<0.40		1.0	0.40	ug/L		05/09/25 15:45	05/13/25 18:44	1
Copper	<0.50		2.0	0.50	ug/L		05/09/25 15:45	05/13/25 18:44	1
Iron	<47		100	47	ug/L		05/09/25 15:45	05/13/25 18:44	1
Lead	<0.19		0.50	0.19	ug/L		05/09/25 15:45	05/13/25 18:44	1
Lithium	<2.5		10	2.5	ug/L		05/09/25 15:45	05/13/25 18:44	1
Magnesium	<49		200	49	ug/L		05/09/25 15:45	05/13/25 18:44	1
Molybdenum	<2.5		5.0	2.5	ug/L		05/09/25 15:45	05/13/25 18:44	1
Nickel	<0.63		2.0	0.63	ug/L		05/09/25 15:45	05/13/25 18:44	1
Potassium	<110		500	110	ug/L		05/09/25 15:45	05/13/25 18:44	1
Selenium	1.10	J	2.5	0.98	ug/L		05/09/25 15:45	05/13/25 18:44	1
Silver	<0.12		0.50	0.12	ug/L		05/09/25 15:45	05/13/25 18:44	1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 500-817154/1-A
Matrix: Water
Analysis Batch: 817602

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 817154

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	<77		200	77	ug/L		05/09/25 15:45	05/13/25 18:44	1
Strontium	<0.64		4.0	0.64	ug/L		05/09/25 15:45	05/13/25 18:44	1
Thallium	<0.57		2.0	0.57	ug/L		05/09/25 15:45	05/13/25 18:44	1
Tin	<1.3		5.0	1.3	ug/L		05/09/25 15:45	05/13/25 18:44	1
Vanadium	<2.2		5.0	2.2	ug/L		05/09/25 15:45	05/13/25 18:44	1
Zinc	<6.9		20	6.9	ug/L		05/09/25 15:45	05/13/25 18:44	1

Lab Sample ID: MB 500-817154/1-A
Matrix: Water
Analysis Batch: 817764

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 817154

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	<0.79		2.5	0.79	ug/L		05/09/25 15:45	05/14/25 13:03	1

Lab Sample ID: LCS 500-817154/2-A
Matrix: Water
Analysis Batch: 817602

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 817154

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	2000	1940		ug/L		97	80 - 120
Antimony	500	518		ug/L		104	80 - 120
Arsenic	100	95.9		ug/L		96	80 - 120
Barium	500	506		ug/L		101	80 - 120
Beryllium	50.0	51.8		ug/L		104	80 - 120
Boron	1000	1010		ug/L		101	80 - 120
Cadmium	50.0	50.3		ug/L		101	80 - 120
Calcium	10000	8980		ug/L		90	80 - 120
Chromium	200	203		ug/L		101	80 - 120
Cobalt	500	537		ug/L		107	80 - 120
Copper	250	248		ug/L		99	80 - 120
Iron	1000	1050		ug/L		105	80 - 120
Lead	100	99.8		ug/L		100	80 - 120
Lithium	100	106		ug/L		106	80 - 120
Magnesium	10000	10400		ug/L		104	80 - 120
Molybdenum	1000	988		ug/L		99	80 - 120
Nickel	500	501		ug/L		100	80 - 120
Potassium	10000	10400		ug/L		104	80 - 120
Selenium	100	98.4		ug/L		98	80 - 120
Silver	50.0	50.9		ug/L		102	80 - 120
Sodium	10000	10300		ug/L		103	80 - 120
Strontium	1000	988		ug/L		99	80 - 120
Thallium	100	99.5		ug/L		99	80 - 120
Tin	1000	1020		ug/L		102	80 - 120
Vanadium	500	512		ug/L		102	80 - 120
Zinc	500	495		ug/L		99	80 - 120

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 500-817154/2-A
Matrix: Water
Analysis Batch: 817764

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 817154

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Manganese	500	514		ug/L		103	80 - 120

Lab Sample ID: MB 500-818670/1-A
Matrix: Water
Analysis Batch: 818847

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 818670

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<25		100	25	ug/L		05/22/25 08:09	05/22/25 15:08	1
Antimony	<1.3		3.0	1.3	ug/L		05/22/25 08:09	05/22/25 15:08	1
Arsenic	<0.23		1.0	0.23	ug/L		05/22/25 08:09	05/22/25 15:08	1
Barium	<0.73		2.5	0.73	ug/L		05/22/25 08:09	05/22/25 15:08	1
Beryllium	<0.53		1.0	0.53	ug/L		05/22/25 08:09	05/22/25 15:08	1
Boron	<13		50	13	ug/L		05/22/25 08:09	05/22/25 15:08	1
Cadmium	<0.17		0.50	0.17	ug/L		05/22/25 08:09	05/22/25 15:08	1
Chromium	<1.1		5.0	1.1	ug/L		05/22/25 08:09	05/22/25 15:08	1
Cobalt	<0.40		1.0	0.40	ug/L		05/22/25 08:09	05/22/25 15:08	1
Copper	<0.50		2.0	0.50	ug/L		05/22/25 08:09	05/22/25 15:08	1
Iron	<47		100	47	ug/L		05/22/25 08:09	05/22/25 15:08	1
Lead	<0.19		0.50	0.19	ug/L		05/22/25 08:09	05/22/25 15:08	1
Lithium	<2.5		10	2.5	ug/L		05/22/25 08:09	05/22/25 15:08	1
Magnesium	<49		200	49	ug/L		05/22/25 08:09	05/22/25 15:08	1
Manganese	<0.79		2.5	0.79	ug/L		05/22/25 08:09	05/22/25 15:08	1
Molybdenum	<2.5		5.0	2.5	ug/L		05/22/25 08:09	05/22/25 15:08	1
Nickel	<0.63		2.0	0.63	ug/L		05/22/25 08:09	05/22/25 15:08	1
Potassium	<110		500	110	ug/L		05/22/25 08:09	05/22/25 15:08	1
Selenium	<0.98		2.5	0.98	ug/L		05/22/25 08:09	05/22/25 15:08	1
Silver	<0.12		0.50	0.12	ug/L		05/22/25 08:09	05/22/25 15:08	1
Sodium	<77		200	77	ug/L		05/22/25 08:09	05/22/25 15:08	1
Strontium	<0.64		4.0	0.64	ug/L		05/22/25 08:09	05/22/25 15:08	1
Thallium	<0.57		2.0	0.57	ug/L		05/22/25 08:09	05/22/25 15:08	1
Tin	<1.3		5.0	1.3	ug/L		05/22/25 08:09	05/22/25 15:08	1
Vanadium	<2.2		5.0	2.2	ug/L		05/22/25 08:09	05/22/25 15:08	1
Zinc	<6.9		20	6.9	ug/L		05/22/25 08:09	05/22/25 15:08	1

Lab Sample ID: MB 500-818670/1-A
Matrix: Water
Analysis Batch: 818915

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 818670

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	<44		200	44	ug/L		05/22/25 08:09	05/23/25 12:06	1

Lab Sample ID: LCS 500-818670/2-A
Matrix: Water
Analysis Batch: 818847

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 818670

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	2000	1940		ug/L		97	80 - 120
Antimony	500	530		ug/L		106	80 - 120
Arsenic	100	101		ug/L		101	80 - 120

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 500-818670/2-A
Matrix: Water
Analysis Batch: 818847

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 818670

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Barium	500	516		ug/L		103	80 - 120
Beryllium	50.0	46.7		ug/L		93	80 - 120
Boron	1000	984		ug/L		98	80 - 120
Cadmium	50.0	51.4		ug/L		103	80 - 120
Chromium	200	195		ug/L		97	80 - 120
Cobalt	500	511		ug/L		102	80 - 120
Copper	250	252		ug/L		101	80 - 120
Iron	1000	1040		ug/L		104	80 - 120
Lead	100	101		ug/L		101	80 - 120
Lithium	100	99.1		ug/L		99	80 - 120
Magnesium	10000	10500		ug/L		105	80 - 120
Manganese	500	508		ug/L		102	80 - 120
Molybdenum	1000	1020		ug/L		102	80 - 120
Nickel	500	514		ug/L		103	80 - 120
Potassium	10000	10500		ug/L		105	80 - 120
Selenium	100	102		ug/L		102	80 - 120
Silver	50.0	51.9		ug/L		104	80 - 120
Sodium	10000	10100		ug/L		101	80 - 120
Strontium	1000	1040		ug/L		104	80 - 120
Thallium	100	102		ug/L		102	80 - 120
Tin	1000	1040		ug/L		104	80 - 120
Vanadium	500	504		ug/L		101	80 - 120
Zinc	500	510		ug/L		102	80 - 120

Lab Sample ID: LCS 500-818670/2-A
Matrix: Water
Analysis Batch: 818915

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 818670

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Calcium	10000	9210		ug/L		92	80 - 120

Lab Sample ID: 500-267711-11 MS
Matrix: Water
Analysis Batch: 817602

Client Sample ID: NB2-3_20250430
Prep Type: Dissolved
Prep Batch: 817154

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	<25		2000	1960		ug/L		98	75 - 125
Antimony	<1.3		500	531		ug/L		106	75 - 125
Arsenic	6.1		100	106		ug/L		100	75 - 125
Barium	200		500	716		ug/L		103	75 - 125
Beryllium	<0.53		50.0	51.4		ug/L		103	75 - 125
Boron	1900		1000	3050		ug/L		111	75 - 125
Cadmium	<0.17		50.0	51.0		ug/L		102	75 - 125
Calcium	21000		10000	31100		ug/L		99	75 - 125
Chromium	<1.1		200	201		ug/L		100	75 - 125
Cobalt	<0.40		500	527		ug/L		105	75 - 125
Copper	<0.50		250	255		ug/L		102	75 - 125
Iron	670		1000	1710		ug/L		104	75 - 125
Lead	<0.19		100	101		ug/L		101	75 - 125

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 500-267711-11 MS
Matrix: Water
Analysis Batch: 817602

Client Sample ID: NB2-3_20250430
Prep Type: Dissolved
Prep Batch: 817154

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Lithium	12		100	117		ug/L		105	75 - 125
Magnesium	2300		10000	12900		ug/L		105	75 - 125
Molybdenum	110		1000	1140		ug/L		103	75 - 125
Nickel	<0.63		500	506		ug/L		101	75 - 125
Potassium	8600		10000	19100		ug/L		105	75 - 125
Selenium	<0.98		100	100		ug/L		100	75 - 125
Silver	<0.12		50.0	50.6		ug/L		101	75 - 125
Sodium	200000		10000	222000	4	ug/L		172	75 - 125
Strontium	280		1000	1310		ug/L		103	75 - 125
Thallium	<0.57		100	101		ug/L		101	75 - 125
Tin	1.4	J	1000	1060		ug/L		106	75 - 125
Vanadium	<2.2		500	522		ug/L		104	75 - 125
Zinc	<6.9		500	503		ug/L		101	75 - 125

Lab Sample ID: 500-267711-11 MS
Matrix: Water
Analysis Batch: 817764

Client Sample ID: NB2-3_20250430
Prep Type: Dissolved
Prep Batch: 817154

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Manganese	140		500	651		ug/L		103	75 - 125

Lab Sample ID: 500-267711-11 MSD
Matrix: Water
Analysis Batch: 817602

Client Sample ID: NB2-3_20250430
Prep Type: Dissolved
Prep Batch: 817154

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum	<25		2000	1910		ug/L		96	75 - 125	3	20
Antimony	<1.3		500	523		ug/L		105	75 - 125	1	20
Arsenic	6.1		100	105		ug/L		99	75 - 125	1	20
Barium	200		500	702		ug/L		101	75 - 125	2	20
Beryllium	<0.53		50.0	51.1		ug/L		102	75 - 125	1	20
Boron	1900		1000	3020		ug/L		108	75 - 125	1	20
Cadmium	<0.17		50.0	50.0		ug/L		100	75 - 125	2	20
Calcium	21000		10000	30400		ug/L		92	75 - 125	2	20
Chromium	<1.1		200	198		ug/L		99	75 - 125	2	20
Cobalt	<0.40		500	515		ug/L		103	75 - 125	2	20
Copper	<0.50		250	252		ug/L		101	75 - 125	1	20
Iron	670		1000	1660		ug/L		99	75 - 125	3	20
Lead	<0.19		100	99.9		ug/L		100	75 - 125	1	20
Lithium	12		100	113		ug/L		101	75 - 125	4	20
Magnesium	2300		10000	12500		ug/L		101	75 - 125	3	20
Molybdenum	110		1000	1120		ug/L		101	75 - 125	2	20
Nickel	<0.63		500	499		ug/L		100	75 - 125	1	20
Potassium	8600		10000	18600		ug/L		100	75 - 125	3	20
Selenium	<0.98		100	97.0		ug/L		97	75 - 125	3	20
Silver	<0.12		50.0	50.2		ug/L		100	75 - 125	1	20
Sodium	200000		10000	216000	4	ug/L		114	75 - 125	3	20
Strontium	280		1000	1300		ug/L		102	75 - 125	1	20
Thallium	<0.57		100	99.6		ug/L		100	75 - 125	1	20

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 500-267711-11 MSD
Matrix: Water
Analysis Batch: 817602

Client Sample ID: NB2-3_20250430
Prep Type: Dissolved
Prep Batch: 817154

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Tin	1.4	J	1000	1030		ug/L		103	75 - 125	3	20
Vanadium	<2.2		500	507		ug/L		101	75 - 125	3	20
Zinc	<6.9		500	496		ug/L		99	75 - 125	2	20

Lab Sample ID: 500-267711-11 MSD
Matrix: Water
Analysis Batch: 817764

Client Sample ID: NB2-3_20250430
Prep Type: Dissolved
Prep Batch: 817154

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Manganese	140		500	649		ug/L		102	75 - 125	0	20

Lab Sample ID: 500-267711-11 DU
Matrix: Water
Analysis Batch: 817602

Client Sample ID: NB2-3_20250430
Prep Type: Dissolved
Prep Batch: 817154

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Aluminum	<25			<25		ug/L				NC	20
Antimony	<1.3			<1.3		ug/L				NC	20
Arsenic	6.1			6.35		ug/L				3	20
Barium	200			202		ug/L				2	20
Beryllium	<0.53			<0.53		ug/L				NC	20
Boron	1900			1950		ug/L				0.8	20
Cadmium	<0.17			<0.17		ug/L				NC	20
Calcium	21000			21500		ug/L				2	20
Chromium	<1.1			<1.1		ug/L				NC	20
Cobalt	<0.40			<0.40		ug/L				NC	20
Copper	<0.50			<0.50		ug/L				NC	20
Iron	670			683		ug/L				2	20
Lead	<0.19			<0.19		ug/L				NC	20
Lithium	12			12.3		ug/L				4	20
Magnesium	2300			2380		ug/L				1	20
Molybdenum	110			109		ug/L				1	20
Nickel	<0.63			<0.63		ug/L				NC	20
Potassium	8600			8740		ug/L				1	20
Selenium	<0.98			<0.98		ug/L				NC	20
Silver	<0.12			<0.12		ug/L				NC	20
Sodium	200000			208000		ug/L				1	20
Strontium	280			286		ug/L				2	20
Thallium	<0.57			<0.57		ug/L				NC	20
Tin	1.4	J		<1.3		ug/L				NC	20
Vanadium	<2.2			<2.2		ug/L				NC	20
Zinc	<6.9			<6.9		ug/L				NC	20

Lab Sample ID: 500-267711-11 DU
Matrix: Water
Analysis Batch: 817764

Client Sample ID: NB2-3_20250430
Prep Type: Dissolved
Prep Batch: 817154

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Manganese	140			138		ug/L				2	20

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 500-816170/3
Matrix: Water
Analysis Batch: 816170

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	<0.45		1.0	0.45	mg/L			05/02/25 11:16	1
Chloride	<0.42		1.0	0.42	mg/L			05/02/25 11:16	1
Fluoride	<0.43		1.0	0.43	mg/L			05/02/25 11:16	1
Sulfate	<0.47		1.0	0.47	mg/L			05/02/25 11:16	1

Lab Sample ID: LCS 500-816170/4
Matrix: Water
Analysis Batch: 816170

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bromide	20.0	19.3		mg/L		96	90 - 110
Chloride	100	105		mg/L		105	90 - 110
Fluoride	20.0	20.1		mg/L		100	90 - 110
Sulfate	100	107		mg/L		107	90 - 110

Lab Sample ID: 500-267711-9 MS
Matrix: Water
Analysis Batch: 816170

Client Sample ID: NB2-1_20250430
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Bromide	0.65	J	10.0	10.7		mg/L		100	80 - 120
Chloride	89		10.0	94.8	4	mg/L		62	80 - 120
Fluoride	<0.43		10.0	10.8		mg/L		108	80 - 120
Sulfate	59		10.0	67.4	4	mg/L		79	80 - 120

Lab Sample ID: 500-267711-9 MSD
Matrix: Water
Analysis Batch: 816170

Client Sample ID: NB2-1_20250430
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Bromide	0.65	J	10.0	10.5		mg/L		98	80 - 120	2	20
Chloride	89		10.0	94.6	4	mg/L		60	80 - 120	0	20
Fluoride	<0.43		10.0	10.6		mg/L		106	80 - 120	1	20
Sulfate	59		10.0	67.2	4	mg/L		77	80 - 120	0	20

Lab Sample ID: MB 500-816171/3
Matrix: Water
Analysis Batch: 816171

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	<0.37		1.0	0.37	mg/L			05/02/25 11:16	1
Nitrite as N	<0.25		1.0	0.25	mg/L			05/02/25 11:16	1
Nitrate Nitrite as N	<0.37		1.0	0.37	mg/L			05/02/25 11:16	1

Lab Sample ID: LCS 500-816171/4
Matrix: Water
Analysis Batch: 816171

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate as N	20.0	20.4		mg/L		102	90 - 110

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 500-816171/4
Matrix: Water
Analysis Batch: 816171

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrite as N	20.0	20.6		mg/L		103	90 - 110
Nitrate Nitrite as N	40.0	41.0		mg/L		103	90 - 110

Lab Sample ID: 500-267711-9 MS
Matrix: Water
Analysis Batch: 816171

Client Sample ID: NB2-1_20250430
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate as N	<0.37	F1	2.26	3.23	F1	mg/L		143	80 - 120
Nitrite as N	<0.25		3.03	3.25		mg/L		107	80 - 120
Nitrate Nitrite as N	<0.37	F1	5.29	6.48	F1	mg/L		123	80 - 120

Lab Sample ID: 500-267711-9 MSD
Matrix: Water
Analysis Batch: 816171

Client Sample ID: NB2-1_20250430
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrate as N	<0.37	F1	2.26	3.21	F1	mg/L		142	80 - 120	1	20
Nitrite as N	<0.25		3.03	3.21		mg/L		106	80 - 120	1	20
Nitrate Nitrite as N	<0.37	F1	5.29	6.42	F1	mg/L		121	80 - 120	1	20

Method: 335.4 - Cyanide, Total

Lab Sample ID: MB 500-816954/1-A
Matrix: Water
Analysis Batch: 817121

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 816954

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.0036		0.0050	0.0036	mg/L		05/08/25 14:23	05/08/25 17:38	1

Lab Sample ID: LCS 500-816954/2-A
Matrix: Water
Analysis Batch: 817121

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 816954

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.100	0.0950		mg/L		95	90 - 110

Lab Sample ID: 500-267711-9 MS
Matrix: Water
Analysis Batch: 817121

Client Sample ID: NB2-1_20250430
Prep Type: Total/NA
Prep Batch: 816954

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	<0.0036	F1	0.100	0.0800	F1	mg/L		80	90 - 110

Lab Sample ID: 500-267711-9 MSD
Matrix: Water
Analysis Batch: 817121

Client Sample ID: NB2-1_20250430
Prep Type: Total/NA
Prep Batch: 816954

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Cyanide, Total	<0.0036	F1	0.100	0.0900		mg/L		90	90 - 110	12	20

Method: 335.4 - Cyanide, Total (Continued)

Lab Sample ID: MB 500-816980/1-A
Matrix: Water
Analysis Batch: 817172

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 816980

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.0036		0.0050	0.0036	mg/L		05/08/25 16:11	05/09/25 16:24	1

Lab Sample ID: LCS 500-816980/2-A
Matrix: Water
Analysis Batch: 817172

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 816980

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.100	0.0990		mg/L		99	90 - 110

Lab Sample ID: MB 500-817189/1-A
Matrix: Water
Analysis Batch: 817297

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 817189

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.0036		0.0050	0.0036	mg/L		05/11/25 10:55	05/12/25 10:50	1

Lab Sample ID: LCS 500-817189/2-A
Matrix: Water
Analysis Batch: 817297

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 817189

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.100	0.0930		mg/L		93	90 - 110

Method: 350.1 - Nitrogen, Ammonia

Lab Sample ID: MB 500-818579/1-A
Matrix: Water
Analysis Batch: 818637

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 818579

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	<0.10		0.20	0.10	mg/L		05/21/25 13:24	05/21/25 16:29	1

Lab Sample ID: LCS 500-818579/2-A
Matrix: Water
Analysis Batch: 818637

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 818579

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ammonia	2.00	2.05		mg/L		103	90 - 110

Lab Sample ID: MB 500-818723/1-A
Matrix: Water
Analysis Batch: 818865

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 818723

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	<0.10		0.20	0.10	mg/L		05/22/25 11:37	05/23/25 08:53	1

Method: 350.1 - Nitrogen, Ammonia (Continued)

Lab Sample ID: LCS 500-818723/2-A
Matrix: Water
Analysis Batch: 818865

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 818723

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Ammonia			2.00	2.05		mg/L		103	90 - 110		

Method: 365.1 - Phosphorus, Total

Lab Sample ID: MB 500-816881/1-A
Matrix: Water
Analysis Batch: 817118

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 816881

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phosphorus as P	<0.024		0.050	0.024	mg/L		05/08/25 09:51	05/09/25 12:10	1

Lab Sample ID: LCS 500-816881/2-A
Matrix: Water
Analysis Batch: 817118

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 816881

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Phosphorus as P			1.00	0.956		mg/L		96	88 - 123		

Lab Sample ID: MB 500-817630/1-A
Matrix: Water
Analysis Batch: 818259

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 817630

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phosphorus as P	<0.024		0.050	0.024	mg/L		05/14/25 10:23	05/19/25 11:40	1

Lab Sample ID: LCS 500-817630/2-A
Matrix: Water
Analysis Batch: 818259

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 817630

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Phosphorus as P			1.00	0.979		mg/L		98	88 - 123		

Lab Sample ID: 500-267711-25 MS
Matrix: Water
Analysis Batch: 818259

Client Sample ID: TBN-01_20250501
Prep Type: Total/NA
Prep Batch: 817630

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Phosphorus as P	<0.024		1.00	1.00		mg/L		100	75 - 125		

Lab Sample ID: 500-267711-25 MSD
Matrix: Water
Analysis Batch: 818259

Client Sample ID: TBN-01_20250501
Prep Type: Total/NA
Prep Batch: 817630

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Phosphorus as P	<0.024		1.00	1.01		mg/L		101	75 - 125	1	20

Method: SM 2320B - Alkalinity

Lab Sample ID: MB 500-816685/104
Matrix: Water
Analysis Batch: 816685

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	<3.7		5.0	3.7	mg/L			05/07/25 05:59	1
Bicarbonate Alkalinity as CaCO3	<3.7		5.0	3.7	mg/L			05/07/25 05:59	1
Carbonate Alkalinity as CaCO3	<3.7		5.0	3.7	mg/L			05/07/25 05:59	1

Lab Sample ID: LCS 500-816685/105
Matrix: Water
Analysis Batch: 816685

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Alkalinity	100	115		mg/L		115	95 - 121

Lab Sample ID: MB 500-817134/3
Matrix: Water
Analysis Batch: 817134

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	<3.7		5.0	3.7	mg/L			05/08/25 12:06	1
Bicarbonate Alkalinity as CaCO3	<3.7		5.0	3.7	mg/L			05/08/25 12:06	1
Carbonate Alkalinity as CaCO3	<3.7		5.0	3.7	mg/L			05/08/25 12:06	1

Lab Sample ID: LCS 500-817134/4
Matrix: Water
Analysis Batch: 817134

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Alkalinity	100	101		mg/L		101	95 - 121

Method: SM 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 500-816630/1
Matrix: Water
Analysis Batch: 816630

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<4.3		10	4.3	mg/L			05/07/25 00:21	1

Lab Sample ID: LCS 500-816630/2
Matrix: Water
Analysis Batch: 816630

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	250	272		mg/L		109	80 - 120

Lab Sample ID: MB 500-816633/1
Matrix: Water
Analysis Batch: 816633

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<4.3		10	4.3	mg/L			05/07/25 02:39	1

Method: SM 2540C - Solids, Total Dissolved (TDS) (Continued)

Lab Sample ID: LCS 500-816633/2
Matrix: Water
Analysis Batch: 816633

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	250	254		mg/L		102	80 - 120

Method: SM 2540D - Solids, Total Suspended (TSS)

Lab Sample ID: MB 500-816420/1
Matrix: Water
Analysis Batch: 816420

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	<1.9		5.0	1.9	mg/L			05/05/25 16:15	1

Lab Sample ID: LCS 500-816420/2
Matrix: Water
Analysis Batch: 816420

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Suspended Solids	200	168		mg/L		84	80 - 120

Lab Sample ID: 500-267711-7 MS
Matrix: Water
Analysis Batch: 816420

Client Sample ID: SMW-1SB_20250430
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Total Suspended Solids	15		100	103		mg/L		88	75 - 125

Lab Sample ID: MB 500-816505/1
Matrix: Water
Analysis Batch: 816505

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	<1.9		5.0	1.9	mg/L			05/06/25 09:15	1

Lab Sample ID: LCS 500-816505/2
Matrix: Water
Analysis Batch: 816505

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Suspended Solids	200	177		mg/L		89	80 - 120

Lab Sample ID: 500-267711-9 DU
Matrix: Water
Analysis Batch: 816505

Client Sample ID: NB2-1_20250430
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Suspended Solids	<1.9		<1.9		mg/L		NC	5

Method: SM 2540D - Solids, Total Suspended (TSS) (Continued)

Lab Sample ID: MB 500-816597/1
Matrix: Water
Analysis Batch: 816597

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	<1.9		5.0	1.9	mg/L			05/06/25 14:41	1

Lab Sample ID: LCS 500-816597/2
Matrix: Water
Analysis Batch: 816597

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Suspended Solids	200	185		mg/L		93	80 - 120

Lab Sample ID: 500-267711-25 DU
Matrix: Water
Analysis Batch: 816597

Client Sample ID: TBN-01_20250501
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Suspended Solids	4.2	J	9.00	F5	mg/L		73	5

Lab Sample ID: 500-267711-27 DU
Matrix: Water
Analysis Batch: 816597

Client Sample ID: TBS-01_20250501
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Suspended Solids	4.0	J	8.20	F5	mg/L		69	5

Method: SM 4500 S2 F - Sulfide, Total

Lab Sample ID: MB 500-816498/1
Matrix: Water
Analysis Batch: 816498

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	<0.23		1.0	0.23	mg/L			05/06/25 05:27	1

Lab Sample ID: LCS 500-816498/2
Matrix: Water
Analysis Batch: 816498

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfide	3.97	3.60		mg/L		91	85 - 115

Lab Sample ID: MB 500-816808/1
Matrix: Water
Analysis Batch: 816808

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	<0.23		1.0	0.23	mg/L			05/07/25 21:58	1

Method: SM 4500 S2 F - Sulfide, Total (Continued)

Lab Sample ID: LCS 500-816808/2
Matrix: Water
Analysis Batch: 816808

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Sulfide			3.97	3.65		mg/L		92	85 - 115		

Method: SM 5310C - TOC

Lab Sample ID: MB 500-818108/7
Matrix: Water
Analysis Batch: 818108

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	<0.47		1.0	0.47	mg/L			05/15/25 12:21	1

Lab Sample ID: LCS 500-818108/8
Matrix: Water
Analysis Batch: 818108

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Organic Carbon			10.0	10.8		mg/L		108	86 - 116		

Lab Sample ID: 500-267711-3 MS
Matrix: Water
Analysis Batch: 818108

Client Sample ID: MW-36_20250430
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Organic Carbon	8.4	F1	10.0	19.9		mg/L		115	75 - 125		

Lab Sample ID: 500-267711-3 MSD
Matrix: Water
Analysis Batch: 818108

Client Sample ID: MW-36_20250430
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Organic Carbon	8.4	F1	10.0	20.0		mg/L		117	75 - 125	1	20

Method: SM 5310C - Organic Carbon, Dissolved (DOC)

Lab Sample ID: MB 500-818109/31
Matrix: Water
Analysis Batch: 818109

Client Sample ID: Method Blank
Prep Type: Dissolved

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon	<0.47		1.0	0.47	mg/L			05/16/25 01:15	1

Lab Sample ID: LCS 500-818109/32
Matrix: Water
Analysis Batch: 818109

Client Sample ID: Lab Control Sample
Prep Type: Dissolved

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Dissolved Organic Carbon			10.0	11.0		mg/L		110	86 - 116		

Method: SM 5310C - Organic Carbon, Dissolved (DOC) (Continued)

Lab Sample ID: 500-267711-3 MS
Matrix: Water
Analysis Batch: 818109

Client Sample ID: MW-36_20250430
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Dissolved Organic Carbon	8.3		10.0	20.3		mg/L		120	75 - 125		

Lab Sample ID: 500-267711-3 MSD
Matrix: Water
Analysis Batch: 818109

Client Sample ID: MW-36_20250430
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Dissolved Organic Carbon	8.3		10.0	20.4		mg/L		121	75 - 125	0	20

Lab Chronicle

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267711-1

Client Sample ID: MW-35_20250430

Date Collected: 04/30/25 17:00
Date Received: 05/02/25 09:20

Lab Sample ID: 500-267711-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	1630			7302	AJD	EET SSM	06/11/25 08:48
Dissolved	Analysis	1630		1	7378	COW	EET SSM	06/12/25 16:39
Total/NA	Prep	1630			7302	AJD	EET SSM	06/11/25 08:48
Total/NA	Analysis	1630		1	7378	COW	EET SSM	06/12/25 16:29
Dissolved	Analysis	1631E		1	6929	CL	EET SSM	05/20/25 16:00
Total/NA	Analysis	1631E		1	6929	CL	EET SSM	05/20/25 15:56
Dissolved	Prep	1638			6941	V1R	EET SSM	05/21/25 13:55
Dissolved	Analysis	1638		1	6989	COW	EET SSM	05/22/25 16:32
Total Recoverable	Prep	1638			6942	V1R	EET SSM	05/21/25 13:55
Total Recoverable	Analysis	1638		1	6989	COW	EET SSM	05/22/25 18:20
Dissolved	Prep	3005A			817153	S1Z	EET CHI	05/09/25 15:42 - 05/09/25 21:41 [1]
Dissolved	Analysis	6020B		1	817602	RN	EET CHI	05/13/25 16:50
Dissolved	Prep	3005A			817153	S1Z	EET CHI	05/09/25 15:42 - 05/09/25 21:41 [1]
Dissolved	Analysis	6020B		1	817408	RN	EET CHI	05/12/25 17:48
Total Recoverable	Prep	3005A			817153	S1Z	EET CHI	05/09/25 15:42 - 05/09/25 21:41 [1]
Total Recoverable	Analysis	6020B		1	817602	RN	EET CHI	05/13/25 16:47
Total Recoverable	Prep	3005A			817153	S1Z	EET CHI	05/09/25 15:42 - 05/09/25 21:41 [1]
Total Recoverable	Analysis	6020B		1	817408	RN	EET CHI	05/12/25 17:46
Total Recoverable	Prep	3005A			817153	S1Z	EET CHI	05/09/25 15:42 - 05/09/25 21:41 [1]
Total Recoverable	Analysis	SM 2340B		1	817453	RN	EET CHI	05/13/25 11:09
Total/NA	Analysis	300.0		1	816170	W1T	EET CHI	05/02/25 15:05
Total/NA	Analysis	300.0		1	816171	MM	EET CHI	05/02/25 15:05
Total/NA	Prep	Distill/CN			816954	AC	EET CHI	05/08/25 14:23 - 05/08/25 14:53 [1]
Total/NA	Analysis	335.4		1	817121	AC	EET CHI	05/08/25 17:56
Total/NA	Prep	Distill/Ammonia			818579	EB	EET CHI	05/21/25 13:24 - 05/21/25 14:24 [1]
Total/NA	Analysis	350.1		1	818637	EB	EET CHI	05/21/25 16:30
Total/NA	Prep	365.2/365.3/365			816881	MF	EET CHI	05/08/25 09:51 - 05/08/25 13:51 [1]
Total/NA	Analysis	365.1		1	817118	MF	EET CHI	05/09/25 12:25
Total/NA	Analysis	SM 2320B		1	816685	AC	EET CHI	05/07/25 06:59
Total/NA	Analysis	SM 2520B		1	816410	AC	EET CHI	05/05/25 14:57
Total/NA	Analysis	SM 2540C		1	816630	CLB	EET CHI	05/07/25 01:12
Total/NA	Analysis	SM 2540D		1	816420	SO	EET CHI	05/05/25 16:25 - 05/05/25 16:27 [1]
Total/NA	Analysis	SM 4500 S2 F		1	816498	CLB	EET CHI	05/06/25 05:34 - 05/06/25 05:38 [1]
Dissolved	Analysis	SM 5310C		1	818109	TR	EET CHI	05/16/25 02:20
Total/NA	Analysis	SM 5310C		1	818108	TR	EET CHI	05/15/25 13:25

Client Sample ID: MW-35_20250430_FBLL

Date Collected: 04/30/25 17:00
Date Received: 05/02/25 09:20

Lab Sample ID: 500-267711-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	1631E		1	6929	CL	EET SSM	05/20/25 16:04

Lab Chronicle

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267711-1

Client Sample ID: MW-36_20250430

Lab Sample ID: 500-267711-3

Date Collected: 04/30/25 16:00
Matrix: Water
Date Received: 05/02/25 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	1630			7302	AJD	EET SSM	06/11/25 08:48
Dissolved	Analysis	1630		1	7378	COW	EET SSM	06/12/25 17:00
Total/NA	Prep	1630			7302	AJD	EET SSM	06/11/25 08:48
Total/NA	Analysis	1630		1	7378	COW	EET SSM	06/12/25 16:50
Dissolved	Analysis	1631E		1	6929	CL	EET SSM	05/20/25 16:12
Total/NA	Analysis	1631E		1	6929	CL	EET SSM	05/20/25 16:08
Dissolved	Prep	1638			6941	V1R	EET SSM	05/21/25 13:55
Dissolved	Analysis	1638		1	6989	COW	EET SSM	05/22/25 16:35
Total Recoverable	Prep	1638			6942	V1R	EET SSM	05/21/25 13:55
Total Recoverable	Analysis	1638		1	6989	COW	EET SSM	05/22/25 18:24
Dissolved	Prep	3005A			817153	S1Z	EET CHI	05/09/25 15:42 - 05/09/25 21:41 [1]
Dissolved	Analysis	6020B		1	817602	RN	EET CHI	05/13/25 16:54
Dissolved	Prep	3005A			817153	S1Z	EET CHI	05/09/25 15:42 - 05/09/25 21:41 [1]
Dissolved	Analysis	6020B		1	817408	RN	EET CHI	05/12/25 17:53
Total Recoverable	Prep	3005A			817153	S1Z	EET CHI	05/09/25 15:42 - 05/09/25 21:41 [1]
Total Recoverable	Analysis	6020B		1	817602	RN	EET CHI	05/13/25 16:52
Total Recoverable	Prep	3005A			817153	S1Z	EET CHI	05/09/25 15:42 - 05/09/25 21:41 [1]
Total Recoverable	Analysis	6020B		1	817408	RN	EET CHI	05/12/25 17:50
Total Recoverable	Prep	3005A			817153	S1Z	EET CHI	05/09/25 15:42 - 05/09/25 21:41 [1]
Total Recoverable	Analysis	SM 2340B		1	817453	RN	EET CHI	05/13/25 11:09
Total/NA	Analysis	300.0		1	816170	W1T	EET CHI	05/02/25 13:18
Total/NA	Analysis	300.0		1	816171	MM	EET CHI	05/02/25 13:18
Total/NA	Prep	Distill/CN			816954	AC	EET CHI	05/08/25 14:23 - 05/08/25 14:53 [1]
Total/NA	Analysis	335.4		1	817121	AC	EET CHI	05/08/25 17:56
Total/NA	Prep	Distill/Ammonia			818579	EB	EET CHI	05/21/25 13:24 - 05/21/25 14:24 [1]
Total/NA	Analysis	350.1		1	818637	EB	EET CHI	05/21/25 16:30
Total/NA	Prep	365.2/365.3/365			816881	MF	EET CHI	05/08/25 09:51 - 05/08/25 13:51 [1]
Total/NA	Analysis	365.1		1	817118	MF	EET CHI	05/09/25 12:28
Total/NA	Analysis	SM 2320B		1	816685	AC	EET CHI	05/07/25 07:08
Total/NA	Analysis	SM 2520B		1	816410	AC	EET CHI	05/05/25 14:57
Total/NA	Analysis	SM 2540C		1	816630	CLB	EET CHI	05/07/25 01:15
Total/NA	Analysis	SM 2540D		1	816420	SO	EET CHI	05/05/25 16:27 - 05/05/25 16:30 [1]
Total/NA	Analysis	SM 4500 S2 F		1	816498	CLB	EET CHI	05/06/25 05:38 - 05/06/25 05:42 [1]
Dissolved	Analysis	SM 5310C		1	818109	TR	EET CHI	05/16/25 02:52
Total/NA	Analysis	SM 5310C		1	818108	TR	EET CHI	05/15/25 13:57

Client Sample ID: MW-36_20250430_FBLL

Lab Sample ID: 500-267711-4

Date Collected: 04/30/25 16:00
Matrix: Water
Date Received: 05/02/25 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	1631E		1	6929	CL	EET SSM	05/20/25 16:16

Lab Chronicle

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267711-1

Client Sample ID: LKS-01_20250430

Lab Sample ID: 500-267711-5

Date Collected: 04/30/25 10:30
Matrix: Water
Date Received: 05/02/25 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	1630			7302	AJD	EET SSM	06/11/25 08:48
Dissolved	Analysis	1630		1	7378	COW	EET SSM	06/12/25 17:41
Total/NA	Prep	1630			7302	AJD	EET SSM	06/11/25 08:48
Total/NA	Analysis	1630		1	7378	COW	EET SSM	06/12/25 17:30
Dissolved	Analysis	1631E		1	6929	CL	EET SSM	05/20/25 16:25
Total/NA	Analysis	1631E		1	6929	CL	EET SSM	05/20/25 16:21
Dissolved	Prep	1638			6941	V1R	EET SSM	05/21/25 13:55
Dissolved	Analysis	1638		1	6989	COW	EET SSM	05/22/25 16:39
Total Recoverable	Prep	1638			6942	V1R	EET SSM	05/21/25 13:55
Total Recoverable	Analysis	1638		1	6989	COW	EET SSM	05/22/25 18:27
Dissolved	Prep	3005A			817153	S1Z	EET CHI	05/09/25 15:42 - 05/09/25 21:41 [1]
Dissolved	Analysis	6020B		1	817602	RN	EET CHI	05/13/25 16:59
Dissolved	Prep	3005A			817153	S1Z	EET CHI	05/09/25 15:42 - 05/09/25 21:41 [1]
Dissolved	Analysis	6020B		1	817408	RN	EET CHI	05/12/25 18:03
Total Recoverable	Prep	3005A			817153	S1Z	EET CHI	05/09/25 15:42 - 05/09/25 21:41 [1]
Total Recoverable	Analysis	6020B		1	817602	RN	EET CHI	05/13/25 16:57
Total Recoverable	Prep	3005A			817153	S1Z	EET CHI	05/09/25 15:42 - 05/09/25 21:41 [1]
Total Recoverable	Analysis	6020B		1	817408	RN	EET CHI	05/12/25 18:00
Total Recoverable	Prep	3005A			817153	S1Z	EET CHI	05/09/25 15:42 - 05/09/25 21:41 [1]
Total Recoverable	Analysis	SM 2340B		1	817453	RN	EET CHI	05/13/25 11:09
Total/NA	Analysis	300.0		1	816170	W1T	EET CHI	05/02/25 17:22
Total/NA	Analysis	300.0		1	816171	MM	EET CHI	05/02/25 17:22
Total/NA	Prep	Distill/CN			816954	AC	EET CHI	05/08/25 14:23 - 05/08/25 14:53 [1]
Total/NA	Analysis	335.4		1	817121	AC	EET CHI	05/08/25 17:58
Total/NA	Prep	Distill/Ammonia			818579	EB	EET CHI	05/21/25 13:24 - 05/21/25 14:24 [1]
Total/NA	Analysis	350.1		1	818637	EB	EET CHI	05/21/25 16:31
Total/NA	Prep	365.2/365.3/365			816881	MF	EET CHI	05/08/25 09:51 - 05/08/25 13:51 [1]
Total/NA	Analysis	365.1		1	817118	MF	EET CHI	05/09/25 12:29
Total/NA	Analysis	SM 2320B		1	816685	AC	EET CHI	05/07/25 07:19
Total/NA	Analysis	SM 2520B		1	816410	AC	EET CHI	05/05/25 14:57
Total/NA	Analysis	SM 2540C		1	816630	CLB	EET CHI	05/07/25 01:17
Total/NA	Analysis	SM 2540D		1	816420	SO	EET CHI	05/05/25 16:29 - 05/05/25 16:32 [1]
Total/NA	Analysis	SM 4500 S2 F		1	816498	CLB	EET CHI	05/06/25 05:42 - 05/06/25 05:45 [1]
Dissolved	Analysis	SM 5310C		1	818109	TR	EET CHI	05/16/25 04:29
Total/NA	Analysis	SM 5310C		1	818108	TR	EET CHI	05/15/25 15:35

Client Sample ID: LKS-01_20250430_FBLL

Lab Sample ID: 500-267711-6

Date Collected: 04/30/25 10:30
Matrix: Water
Date Received: 05/02/25 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	1631E		1	6929	CL	EET SSM	05/20/25 16:37

Lab Chronicle

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267711-1

Client Sample ID: SMW-1SB_20250430

Date Collected: 04/30/25 10:45
Date Received: 05/02/25 09:20

Lab Sample ID: 500-267711-7

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	1630			7302	AJD	EET SSM	06/11/25 08:48
Dissolved	Analysis	1630		1	7378	COW	EET SSM	06/12/25 18:01
Total/NA	Prep	1630			7302	AJD	EET SSM	06/11/25 08:48
Total/NA	Analysis	1630		1	7378	COW	EET SSM	06/12/25 17:51
Dissolved	Analysis	1631E		1	6929	CL	EET SSM	05/20/25 16:46
Total/NA	Analysis	1631E		1	6929	CL	EET SSM	05/20/25 16:41
Dissolved	Prep	1638			6941	V1R	EET SSM	05/21/25 13:55
Dissolved	Analysis	1638		1	6989	COW	EET SSM	05/22/25 16:43
Total Recoverable	Prep	1638			6942	V1R	EET SSM	05/21/25 13:55
Total Recoverable	Analysis	1638		1	6989	COW	EET SSM	05/22/25 18:39
Dissolved	Prep	3005A			817153	S1Z	EET CHI	05/09/25 15:42 - 05/09/25 21:41 [1]
Dissolved	Analysis	6020B		5	817602	RN	EET CHI	05/13/25 17:09
Dissolved	Prep	3005A			817153	S1Z	EET CHI	05/09/25 15:42 - 05/09/25 21:41 [1]
Dissolved	Analysis	6020B		1	817602	RN	EET CHI	05/13/25 17:21
Dissolved	Prep	3005A			817153	S1Z	EET CHI	05/09/25 15:42 - 05/09/25 21:41 [1]
Dissolved	Analysis	6020B		1	817408	RN	EET CHI	05/12/25 18:12
Total Recoverable	Prep	3005A			817153	S1Z	EET CHI	05/09/25 15:42 - 05/09/25 21:41 [1]
Total Recoverable	Analysis	6020B		5	817602	RN	EET CHI	05/13/25 17:07
Total Recoverable	Prep	3005A			817153	S1Z	EET CHI	05/09/25 15:42 - 05/09/25 21:41 [1]
Total Recoverable	Analysis	6020B		1	817602	RN	EET CHI	05/13/25 17:11
Total Recoverable	Prep	3005A			817153	S1Z	EET CHI	05/09/25 15:42 - 05/09/25 21:41 [1]
Total Recoverable	Analysis	6020B		1	817408	RN	EET CHI	05/12/25 18:05
Total Recoverable	Prep	3005A			817153	S1Z	EET CHI	05/09/25 15:42 - 05/09/25 21:41 [1]
Total Recoverable	Analysis	SM 2340B		1	817453	RN	EET CHI	05/13/25 11:09
Total/NA	Analysis	300.0		1	816170	W1T	EET CHI	05/02/25 17:38
Total/NA	Analysis	300.0		1	816171	MM	EET CHI	05/02/25 17:38
Total/NA	Prep	Distill/CN			816954	AC	EET CHI	05/08/25 14:23 - 05/08/25 14:53 [1]
Total/NA	Analysis	335.4		1	817121	AC	EET CHI	05/08/25 17:58
Total/NA	Prep	Distill/Ammonia			818723	EB	EET CHI	05/22/25 11:37 - 05/22/25 12:37 [1]
Total/NA	Analysis	350.1		1	818865	EB	EET CHI	05/23/25 08:54
Total/NA	Prep	365.2/365.3/365			816881	MF	EET CHI	05/08/25 09:51 - 05/08/25 13:51 [1]
Total/NA	Analysis	365.1		1	817118	MF	EET CHI	05/09/25 12:30
Total/NA	Analysis	SM 2320B		1	816685	AC	EET CHI	05/07/25 07:27
Total/NA	Analysis	SM 2520B		1	816410	AC	EET CHI	05/05/25 14:57
Total/NA	Analysis	SM 2540C		1	816630	CLB	EET CHI	05/07/25 01:20
Total/NA	Analysis	SM 2540D		1	816420	SO	EET CHI	05/05/25 16:32 - 05/05/25 16:34 [1]
Total/NA	Analysis	SM 4500 S2 F		1	816498	CLB	EET CHI	05/06/25 05:45 - 05/06/25 05:49 [1]
Dissolved	Analysis	SM 5310C		1	818109	TR	EET CHI	05/16/25 05:01
Total/NA	Analysis	SM 5310C		1	818108	TR	EET CHI	05/15/25 16:07

Lab Chronicle

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267711-1

Client Sample ID: SMW-1SB_20250430_FBLL

Lab Sample ID: 500-267711-8

Date Collected: 04/30/25 10:45
Matrix: Water
Date Received: 05/02/25 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	1631E		1	6929	CL	EET SSM	05/20/25 16:50

Client Sample ID: NB2-1_20250430

Lab Sample ID: 500-267711-9

Date Collected: 04/30/25 13:00
Matrix: Water
Date Received: 05/02/25 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	1630			7302	AJD	EET SSM	06/11/25 08:48
Dissolved	Analysis	1630		1	7378	COW	EET SSM	06/12/25 18:21
Total/NA	Prep	1630			7302	AJD	EET SSM	06/11/25 08:48
Total/NA	Analysis	1630		1	7378	COW	EET SSM	06/12/25 18:11
Dissolved	Analysis	1631E		1	6929	CL	EET SSM	05/20/25 16:58
Total/NA	Analysis	1631E		1	6929	CL	EET SSM	05/20/25 16:54
Dissolved	Prep	1638			6941	V1R	EET SSM	05/21/25 13:55
Dissolved	Analysis	1638		1	6989	COW	EET SSM	05/22/25 16:47
Total Recoverable	Prep	1638			6942	V1R	EET SSM	05/21/25 13:55
Total Recoverable	Analysis	1638		1	6989	COW	EET SSM	05/22/25 18:42
Dissolved	Prep	3005A			817153	S1Z	EET CHI	05/09/25 15:42 - 05/09/25 21:41 [1]
Dissolved	Analysis	6020B		1	817602	RN	EET CHI	05/13/25 17:36
Dissolved	Prep	3005A			817153	S1Z	EET CHI	05/09/25 15:42 - 05/09/25 21:41 [1]
Dissolved	Analysis	6020B		1	817408	RN	EET CHI	05/12/25 18:27
Total Recoverable	Prep	3005A			817153	S1Z	EET CHI	05/09/25 15:42 - 05/09/25 21:41 [1]
Total Recoverable	Analysis	6020B		1	817602	RN	EET CHI	05/13/25 17:33
Total Recoverable	Prep	3005A			817153	S1Z	EET CHI	05/09/25 15:42 - 05/09/25 21:41 [1]
Total Recoverable	Analysis	6020B		1	817408	RN	EET CHI	05/12/25 18:24
Total Recoverable	Prep	3005A			817153	S1Z	EET CHI	05/09/25 15:42 - 05/09/25 21:41 [1]
Total Recoverable	Analysis	SM 2340B		1	817453	RN	EET CHI	05/13/25 11:09
Total/NA	Analysis	300.0		1	816170	W1T	EET CHI	05/02/25 11:46
Total/NA	Analysis	300.0		1	816171	MM	EET CHI	05/02/25 11:46
Total/NA	Prep	Distill/CN			816954	AC	EET CHI	05/08/25 14:23 - 05/08/25 14:53 [1]
Total/NA	Analysis	335.4		1	817121	AC	EET CHI	05/08/25 17:58
Total/NA	Prep	Distill/Ammonia			818723	EB	EET CHI	05/22/25 11:37 - 05/22/25 12:37 [1]
Total/NA	Analysis	350.1		1	818865	EB	EET CHI	05/23/25 08:54
Total/NA	Prep	365.2/365.3/365			816881	MF	EET CHI	05/08/25 09:51 - 05/08/25 13:51 [1]
Total/NA	Analysis	365.1		1	817118	MF	EET CHI	05/09/25 12:31
Total/NA	Analysis	SM 2320B		1	816685	AC	EET CHI	05/07/25 07:36
Total/NA	Analysis	SM 2520B		1	816410	AC	EET CHI	05/05/25 14:57
Total/NA	Analysis	SM 2540C		1	816633	CLB	EET CHI	05/07/25 03:02
Total/NA	Analysis	SM 2540D		1	816505	NM	EET CHI	05/06/25 10:13 - 05/06/25 10:18 [1]
Total/NA	Analysis	SM 4500 S2 F		1	816498	CLB	EET CHI	05/06/25 05:49 - 05/06/25 05:53 [1]
Dissolved	Analysis	SM 5310C		1	818109	TR	EET CHI	05/16/25 05:33
Total/NA	Analysis	SM 5310C		1	818108	TR	EET CHI	05/15/25 16:39

Lab Chronicle

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267711-1

Client Sample ID: NB2-1_20250430_FBLL

Lab Sample ID: 500-267711-10

Date Collected: 04/30/25 13:00
Matrix: Water
Date Received: 05/02/25 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	1631E		1	6929	CL	EET SSM	05/20/25 17:02

Client Sample ID: NB2-3_20250430

Lab Sample ID: 500-267711-11

Date Collected: 04/30/25 14:00
Matrix: Water
Date Received: 05/02/25 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	1630			7302	AJD	EET SSM	06/11/25 08:48
Dissolved	Analysis	1630		1	7378	COW	EET SSM	06/12/25 18:42
Total/NA	Prep	1630			7302	AJD	EET SSM	06/11/25 08:48
Total/NA	Analysis	1630		1	7378	COW	EET SSM	06/12/25 18:32
Dissolved	Analysis	1631E		1	6929	CL	EET SSM	05/20/25 17:10
Total/NA	Analysis	1631E		1	6929	CL	EET SSM	05/20/25 17:06
Dissolved	Prep	1638			6941	V1R	EET SSM	05/21/25 13:55
Dissolved	Analysis	1638		1	6989	COW	EET SSM	05/22/25 16:50
Total Recoverable	Prep	1638			6942	V1R	EET SSM	05/21/25 13:55
Total Recoverable	Analysis	1638		1	6989	COW	EET SSM	05/22/25 18:46
Dissolved	Prep	3005A			817154	S1Z	EET CHI	05/09/25 15:45 - 05/09/25 21:45 [1]
Dissolved	Analysis	6020B		1	817602	RN	EET CHI	05/13/25 18:48
Dissolved	Prep	3005A			817154	S1Z	EET CHI	05/09/25 15:45 - 05/09/25 21:45 [1]
Dissolved	Analysis	6020B		1	817764	RN	EET CHI	05/14/25 13:08
Total Recoverable	Prep	3005A			817153	S1Z	EET CHI	05/09/25 15:42 - 05/09/25 21:41 [1]
Total Recoverable	Analysis	6020B		1	817602	RN	EET CHI	05/13/25 17:38
Total Recoverable	Prep	3005A			817153	S1Z	EET CHI	05/09/25 15:42 - 05/09/25 21:41 [1]
Total Recoverable	Analysis	6020B		1	817408	RN	EET CHI	05/12/25 18:29
Total Recoverable	Prep	3005A			817153	S1Z	EET CHI	05/09/25 15:42 - 05/09/25 21:41 [1]
Total Recoverable	Analysis	SM 2340B		1	817453	RN	EET CHI	05/13/25 11:09
Total/NA	Analysis	300.0		1	816170	W1T	EET CHI	05/02/25 12:32
Total/NA	Analysis	300.0		1	816171	MM	EET CHI	05/02/25 12:32
Total/NA	Prep	Distill/CN			816980	AC	EET CHI	05/08/25 16:11 - 05/08/25 16:41 [1]
Total/NA	Analysis	335.4		1	817172	AC	EET CHI	05/09/25 16:28
Total/NA	Prep	Distill/Ammonia			818723	EB	EET CHI	05/22/25 11:37 - 05/22/25 12:37 [1]
Total/NA	Analysis	350.1		1	818865	EB	EET CHI	05/23/25 08:55
Total/NA	Prep	365.2/365.3/365			816881	MF	EET CHI	05/08/25 09:51 - 05/08/25 13:51 [1]
Total/NA	Analysis	365.1		1	817118	MF	EET CHI	05/09/25 12:32
Total/NA	Analysis	SM 2320B		1	816685	AC	EET CHI	05/07/25 07:46
Total/NA	Analysis	SM 2520B		1	816410	AC	EET CHI	05/05/25 14:57
Total/NA	Analysis	SM 2540C		1	816633	CLB	EET CHI	05/07/25 03:04
Total/NA	Analysis	SM 2540D		1	816505	NM	EET CHI	05/06/25 10:24 - 05/06/25 10:30 [1]
Total/NA	Analysis	SM 4500 S2 F		1	816498	CLB	EET CHI	05/06/25 05:53 - 05/06/25 05:57 [1]
Dissolved	Analysis	SM 5310C		1	818109	TR	EET CHI	05/16/25 06:06
Total/NA	Analysis	SM 5310C		1	818108	TR	EET CHI	05/15/25 17:11

Lab Chronicle

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267711-1

Client Sample ID: NB2-3_20250430_FBLL

Lab Sample ID: 500-267711-12

Date Collected: 04/30/25 14:00

Matrix: Water

Date Received: 05/02/25 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	1631E		1	6929	CL	EET SSM	05/20/25 17:48

Client Sample ID: NTC-01_20250430

Lab Sample ID: 500-267711-13

Date Collected: 04/30/25 11:30

Matrix: Water

Date Received: 05/02/25 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	1630			7302	AJD	EET SSM	06/11/25 08:48
Dissolved	Analysis	1630		1	7378	COW	EET SSM	06/12/25 19:02
Total/NA	Prep	1630			7302	AJD	EET SSM	06/11/25 08:48
Total/NA	Analysis	1630		1	7378	COW	EET SSM	06/12/25 18:52
Dissolved	Analysis	1631E		1	6929	CL	EET SSM	05/20/25 17:56
Total/NA	Analysis	1631E		1	6929	CL	EET SSM	05/20/25 17:52
Dissolved	Prep	1638			6942	V1R	EET SSM	05/21/25 13:55
Dissolved	Analysis	1638		1	6989	COW	EET SSM	05/22/25 17:39
Total Recoverable	Prep	1638			6942	V1R	EET SSM	05/21/25 13:55
Total Recoverable	Analysis	1638		1	6989	COW	EET SSM	05/22/25 18:50
Dissolved	Prep	3005A			817154	S1Z	EET CHI	05/09/25 15:45 - 05/09/25 21:45 [1]
Dissolved	Analysis	6020B		1	817602	RN	EET CHI	05/13/25 19:03
Dissolved	Prep	3005A			817154	S1Z	EET CHI	05/09/25 15:45 - 05/09/25 21:45 [1]
Dissolved	Analysis	6020B		1	817764	RN	EET CHI	05/14/25 13:28
Total Recoverable	Prep	3005A			817154	S1Z	EET CHI	05/09/25 15:45 - 05/09/25 21:45 [1]
Total Recoverable	Analysis	6020B		1	817602	RN	EET CHI	05/13/25 19:01
Total Recoverable	Prep	3005A			817154	S1Z	EET CHI	05/09/25 15:45 - 05/09/25 21:45 [1]
Total Recoverable	Analysis	6020B		1	817764	RN	EET CHI	05/14/25 13:25
Total Recoverable	Prep	3005A			817154	S1Z	EET CHI	05/09/25 15:45 - 05/09/25 21:45 [1]
Total Recoverable	Analysis	SM 2340B		1	817453	RN	EET CHI	05/14/25 09:43
Total/NA	Analysis	300.0		1	816170	W1T	EET CHI	05/02/25 17:53
Total/NA	Analysis	300.0		1	816171	MM	EET CHI	05/02/25 17:53
Total/NA	Prep	Distill/CN			816980	AC	EET CHI	05/08/25 16:11 - 05/08/25 16:41 [1]
Total/NA	Analysis	335.4		1	817172	AC	EET CHI	05/09/25 16:28
Total/NA	Prep	Distill/Ammonia			818723	EB	EET CHI	05/22/25 11:37 - 05/22/25 12:37 [1]
Total/NA	Analysis	350.1		1	818865	EB	EET CHI	05/23/25 08:55
Total/NA	Prep	365.2/365.3/365			816881	MF	EET CHI	05/08/25 09:51 - 05/08/25 13:51 [1]
Total/NA	Analysis	365.1		1	817118	MF	EET CHI	05/09/25 12:33
Total/NA	Analysis	SM 2320B		1	816685	AC	EET CHI	05/07/25 07:56
Total/NA	Analysis	SM 2520B		1	816410	AC	EET CHI	05/05/25 14:57
Total/NA	Analysis	SM 2540C		1	816633	CLB	EET CHI	05/07/25 03:07
Total/NA	Analysis	SM 2540D		1	816505	NM	EET CHI	05/06/25 10:30 - 05/06/25 10:36 [1]
Total/NA	Analysis	SM 4500 S2 F		1	816498	CLB	EET CHI	05/06/25 05:57 - 05/06/25 06:01 [1]
Dissolved	Analysis	SM 5310C		1	818109	TR	EET CHI	05/16/25 07:43
Total/NA	Analysis	SM 5310C		1	818108	TR	EET CHI	05/15/25 18:48

Lab Chronicle

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267711-1

Client Sample ID: NTC-01_20250430_FBLL

Lab Sample ID: 500-267711-14

Date Collected: 04/30/25 11:30
Date Received: 05/02/25 09:20

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	1631E		1	6929	CL	EET SSM	05/20/25 18:00

Client Sample ID: DUP-01-SW_20250430

Lab Sample ID: 500-267711-15

Date Collected: 04/30/25 23:59
Date Received: 05/02/25 09:20

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	1630			6988	AJD	EET SSM	05/23/25 10:57
Dissolved	Analysis	1630		1	7043	CL	EET SSM	05/23/25 22:45
Total/NA	Prep	1630			6988	AJD	EET SSM	05/23/25 10:57
Total/NA	Analysis	1630		1	7043	CL	EET SSM	05/23/25 22:35
Dissolved	Analysis	1631E		1	6929	CL	EET SSM	05/20/25 18:17
Total/NA	Analysis	1631E		1	6929	CL	EET SSM	05/20/25 18:13
Dissolved	Prep	1638			6942	V1R	EET SSM	05/21/25 13:55
Dissolved	Analysis	1638		1	6989	COW	EET SSM	05/22/25 17:43
Total Recoverable	Prep	1638			6942	V1R	EET SSM	05/21/25 13:55
Total Recoverable	Analysis	1638		1	6989	COW	EET SSM	05/22/25 18:54
Dissolved	Prep	3005A			817154	S1Z	EET CHI	05/09/25 15:45 - 05/09/25 21:45 ¹
Dissolved	Analysis	6020B		1	817602	RN	EET CHI	05/13/25 19:13
Dissolved	Prep	3005A			817154	S1Z	EET CHI	05/09/25 15:45 - 05/09/25 21:45 ¹
Dissolved	Analysis	6020B		1	817764	RN	EET CHI	05/14/25 13:32
Total Recoverable	Prep	3005A			817154	S1Z	EET CHI	05/09/25 15:45 - 05/09/25 21:45 ¹
Total Recoverable	Analysis	6020B		1	817602	RN	EET CHI	05/13/25 19:05
Total Recoverable	Prep	3005A			817154	S1Z	EET CHI	05/09/25 15:45 - 05/09/25 21:45 ¹
Total Recoverable	Analysis	6020B		1	817764	RN	EET CHI	05/14/25 13:30
Total Recoverable	Prep	3005A			817154	S1Z	EET CHI	05/09/25 15:45 - 05/09/25 21:45 ¹
Total Recoverable	Analysis	SM 2340B		1	817453	RN	EET CHI	05/14/25 09:43
Total/NA	Analysis	300.0		1	816170	W1T	EET CHI	05/02/25 18:08
Total/NA	Analysis	300.0		1	816171	MM	EET CHI	05/02/25 18:08
Total/NA	Prep	Distill/CN			816980	AC	EET CHI	05/08/25 16:11 - 05/08/25 16:41 ¹
Total/NA	Analysis	335.4		1	817172	AC	EET CHI	05/09/25 16:29
Total/NA	Prep	Distill/Ammonia			818723	EB	EET CHI	05/22/25 11:37 - 05/22/25 12:37 ¹
Total/NA	Analysis	350.1		1	818865	EB	EET CHI	05/23/25 08:55
Total/NA	Prep	365.2/365.3/365			816881	MF	EET CHI	05/08/25 09:51 - 05/08/25 13:51 ¹
Total/NA	Analysis	365.1		1	817118	MF	EET CHI	05/09/25 12:34
Total/NA	Analysis	SM 2320B		1	816685	AC	EET CHI	05/07/25 08:04
Total/NA	Analysis	SM 2520B		1	816410	AC	EET CHI	05/05/25 14:57
Total/NA	Analysis	SM 2540C		1	816633	CLB	EET CHI	05/07/25 03:10
Total/NA	Analysis	SM 2540D		1	816505	NM	EET CHI	05/06/25 10:36 - 05/06/25 10:42 ¹
Total/NA	Analysis	SM 4500 S2 F		1	816498	CLB	EET CHI	05/06/25 06:01 - 05/06/25 06:04 ¹
Dissolved	Analysis	SM 5310C		1	818109	TR	EET CHI	05/16/25 08:15
Total/NA	Analysis	SM 5310C		1	818108	TR	EET CHI	05/15/25 19:20

Lab Chronicle

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267711-1

Client Sample ID: DUP-01-SW_20250430_FBLL

Lab Sample ID: 500-267711-16

Date Collected: 04/30/25 23:59
Matrix: Water
Date Received: 05/02/25 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	1631E		1	6929	CL	EET SSM	05/20/25 18:21

Client Sample ID: PRC-02_20250430

Lab Sample ID: 500-267711-17

Date Collected: 04/30/25 14:00
Matrix: Water
Date Received: 05/02/25 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	1630			6988	AJD	EET SSM	05/23/25 10:57
Dissolved	Analysis	1630		1	7043	CL	EET SSM	05/23/25 22:55
Total/NA	Prep	1630			6988	AJD	EET SSM	05/23/25 10:57
Total/NA	Analysis	1630		1	7043	CL	EET SSM	05/23/25 21:13
Dissolved	Analysis	1631E		1	6929	CL	EET SSM	05/20/25 18:29
Total/NA	Analysis	1631E		1	6929	CL	EET SSM	05/20/25 18:25
Dissolved	Prep	1638			6942	V1R	EET SSM	05/21/25 13:55
Dissolved	Analysis	1638		1	6989	COW	EET SSM	05/22/25 17:54
Total Recoverable	Prep	1638			6942	V1R	EET SSM	05/21/25 13:55
Total Recoverable	Analysis	1638		1	6989	COW	EET SSM	05/22/25 17:16
Dissolved	Prep	3005A			817154	S1Z	EET CHI	05/09/25 15:45 - 05/09/25 21:45 [1]
Dissolved	Analysis	6020B		1	817602	RN	EET CHI	05/13/25 19:18
Dissolved	Prep	3005A			817154	S1Z	EET CHI	05/09/25 15:45 - 05/09/25 21:45 [1]
Dissolved	Analysis	6020B		1	817764	RN	EET CHI	05/14/25 13:37
Total Recoverable	Prep	3005A			817154	S1Z	EET CHI	05/09/25 15:45 - 05/09/25 21:45 [1]
Total Recoverable	Analysis	6020B		1	817602	RN	EET CHI	05/13/25 19:15
Total Recoverable	Prep	3005A			817154	S1Z	EET CHI	05/09/25 15:45 - 05/09/25 21:45 [1]
Total Recoverable	Analysis	6020B		1	817764	RN	EET CHI	05/14/25 13:35
Total Recoverable	Prep	3005A			817154	S1Z	EET CHI	05/09/25 15:45 - 05/09/25 21:45 [1]
Total Recoverable	Analysis	SM 2340B		1	817453	RN	EET CHI	05/14/25 09:43
Total/NA	Analysis	300.0		1	816170	W1T	EET CHI	05/02/25 12:47
Total/NA	Analysis	300.0		1	816171	MM	EET CHI	05/02/25 12:47
Total/NA	Prep	Distill/CN			816980	AC	EET CHI	05/08/25 16:11 - 05/08/25 16:41 [1]
Total/NA	Analysis	335.4		1	817172	AC	EET CHI	05/09/25 16:30
Total/NA	Prep	Distill/Ammonia			818723	EB	EET CHI	05/22/25 11:37 - 05/22/25 12:37 [1]
Total/NA	Analysis	350.1		1	818865	EB	EET CHI	05/23/25 08:56
Total/NA	Prep	365.2/365.3/365			816881	MF	EET CHI	05/08/25 09:51 - 05/08/25 13:51 [1]
Total/NA	Analysis	365.1		1	817118	MF	EET CHI	05/09/25 12:35
Total/NA	Analysis	SM 2320B		1	816685	AC	EET CHI	05/07/25 08:12
Total/NA	Analysis	SM 2520B		1	816410	AC	EET CHI	05/05/25 14:57
Total/NA	Analysis	SM 2540C		1	816633	CLB	EET CHI	05/07/25 03:12
Total/NA	Analysis	SM 2540D		1	816505	NM	EET CHI	05/06/25 10:47 - 05/06/25 10:53 [1]
Total/NA	Analysis	SM 4500 S2 F		1	816498	CLB	EET CHI	05/06/25 06:04 - 05/06/25 06:08 [1]
Dissolved	Analysis	SM 5310C		1	818109	TR	EET CHI	05/16/25 08:48
Total/NA	Analysis	SM 5310C		1	818108	TR	EET CHI	05/15/25 19:53

Lab Chronicle

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267711-1

Client Sample ID: PRC-02_20250430_FBLL

Lab Sample ID: 500-267711-18

Date Collected: 04/30/25 14:00
Matrix: Water
Date Received: 05/02/25 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	1631E		1	6929	CL	EET SSM	05/20/25 18:33

Client Sample ID: MLR-03_20250430

Lab Sample ID: 500-267711-19

Date Collected: 04/30/25 15:00
Matrix: Water
Date Received: 05/02/25 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	1630			6988	AJD	EET SSM	05/23/25 10:57
Dissolved	Analysis	1630		1	7043	CL	EET SSM	05/23/25 23:16
Total/NA	Prep	1630			6988	AJD	EET SSM	05/23/25 10:57
Total/NA	Analysis	1630		1	7043	CL	EET SSM	05/23/25 23:06
Dissolved	Analysis	1631E		1	6929	CL	EET SSM	05/20/25 18:42
Total/NA	Analysis	1631E		1	6929	CL	EET SSM	05/20/25 18:38
Dissolved	Prep	1638			6942	V1R	EET SSM	05/21/25 13:55
Dissolved	Analysis	1638		1	6989	COW	EET SSM	05/22/25 17:58
Total Recoverable	Prep	1638			6942	V1R	EET SSM	05/21/25 13:55
Total Recoverable	Analysis	1638		1	6989	COW	EET SSM	05/22/25 18:57
Dissolved	Prep	3005A			817154	S1Z	EET CHI	05/09/25 15:45 - 05/09/25 21:45 [1]
Dissolved	Analysis	6020B		1	817602	RN	EET CHI	05/13/25 19:22
Dissolved	Prep	3005A			817154	S1Z	EET CHI	05/09/25 15:45 - 05/09/25 21:45 [1]
Dissolved	Analysis	6020B		1	817764	RN	EET CHI	05/14/25 13:47
Total Recoverable	Prep	3005A			817154	S1Z	EET CHI	05/09/25 15:45 - 05/09/25 21:45 [1]
Total Recoverable	Analysis	6020B		1	817602	RN	EET CHI	05/13/25 19:20
Total Recoverable	Prep	3005A			817154	S1Z	EET CHI	05/09/25 15:45 - 05/09/25 21:45 [1]
Total Recoverable	Analysis	6020B		1	817764	RN	EET CHI	05/14/25 13:40
Total Recoverable	Prep	3005A			817154	S1Z	EET CHI	05/09/25 15:45 - 05/09/25 21:45 [1]
Total Recoverable	Analysis	SM 2340B		1	817453	RN	EET CHI	05/14/25 09:43
Total/NA	Analysis	300.0		1	816170	W1T	EET CHI	05/02/25 13:03
Total/NA	Analysis	300.0		1	816171	MM	EET CHI	05/02/25 13:03
Total/NA	Prep	Distill/CN			816980	AC	EET CHI	05/08/25 16:11 - 05/08/25 16:41 [1]
Total/NA	Analysis	335.4		1	817172	AC	EET CHI	05/09/25 16:31
Total/NA	Prep	Distill/Ammonia			818723	EB	EET CHI	05/22/25 11:37 - 05/22/25 12:37 [1]
Total/NA	Analysis	350.1		1	818865	EB	EET CHI	05/23/25 08:56
Total/NA	Prep	365.2/365.3/365			817630	MF	EET CHI	05/14/25 10:23 - 05/14/25 14:23 [1]
Total/NA	Analysis	365.1		1	818259	MF	EET CHI	05/19/25 11:42
Total/NA	Analysis	SM 2320B		1	816685	AC	EET CHI	05/07/25 08:21
Total/NA	Analysis	SM 2520B		1	817193	AC	EET CHI	05/11/25 12:45
Total/NA	Analysis	SM 2540C		1	816633	CLB	EET CHI	05/07/25 03:15
Total/NA	Analysis	SM 2540D		1	816505	NM	EET CHI	05/06/25 10:42 - 05/06/25 10:47 [1]
Total/NA	Analysis	SM 4500 S2 F		1	816498	CLB	EET CHI	05/06/25 06:08 - 05/06/25 06:12 [1]
Dissolved	Analysis	SM 5310C		1	818109	TR	EET CHI	05/16/25 09:20
Total/NA	Analysis	SM 5310C		1	818108	TR	EET CHI	05/15/25 20:25

Lab Chronicle

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267711-1

Client Sample ID: MLR-03_20250430_FBLL

Lab Sample ID: 500-267711-20

Date Collected: 04/30/25 15:00
Matrix: Water
Date Received: 05/02/25 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	1631E		1	6929	CL	EET SSM	05/20/25 18:46

Client Sample ID: MW-37_20250501

Lab Sample ID: 500-267711-21

Date Collected: 05/01/25 10:30
Matrix: Water
Date Received: 05/02/25 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	1630			6988	AJD	EET SSM	05/23/25 10:57
Dissolved	Analysis	1630		1	7043	CL	EET SSM	05/23/25 23:36
Total/NA	Prep	1630			6988	AJD	EET SSM	05/23/25 10:57
Total/NA	Analysis	1630		1	7043	CL	EET SSM	05/23/25 23:26
Dissolved	Analysis	1631E		1	6929	CL	EET SSM	05/20/25 19:02
Total/NA	Analysis	1631E		1	6929	CL	EET SSM	05/20/25 18:50
Dissolved	Prep	1638			6942	V1R	EET SSM	05/21/25 13:55
Dissolved	Analysis	1638		1	6989	COW	EET SSM	05/22/25 18:01
Total Recoverable	Prep	1638			6943	V1R	EET SSM	05/21/25 13:55
Total Recoverable	Analysis	1638		1	6989	COW	EET SSM	05/22/25 19:24
Dissolved	Prep	3005A			818670	BDE	EET CHI	05/22/25 08:09 - 05/22/25 14:09 [1]
Dissolved	Analysis	6020B		1	818915	RN	EET CHI	05/23/25 12:13
Dissolved	Prep	3005A			818670	BDE	EET CHI	05/22/25 08:09 - 05/22/25 14:09 [1]
Dissolved	Analysis	6020B		1	818847	RN	EET CHI	05/22/25 15:30
Total Recoverable	Prep	3005A			818670	BDE	EET CHI	05/22/25 08:09 - 05/22/25 14:09 [1]
Total Recoverable	Analysis	6020B		1	818915	RN	EET CHI	05/23/25 12:11
Total Recoverable	Prep	3005A			818670	BDE	EET CHI	05/22/25 08:09 - 05/22/25 14:09 [1]
Total Recoverable	Analysis	6020B		1	818847	RN	EET CHI	05/22/25 15:28
Total Recoverable	Prep	3005A			818670	BDE	EET CHI	05/22/25 08:09 - 05/22/25 14:09 [1]
Total Recoverable	Analysis	SM 2340B		1	818853	RN	EET CHI	05/23/25 08:50
Total/NA	Analysis	300.0		1	816170	W1T	EET CHI	05/02/25 15:20
Total/NA	Analysis	300.0		1	816171	MM	EET CHI	05/02/25 15:20
Total/NA	Prep	Distill/CN			816980	AC	EET CHI	05/08/25 16:11 - 05/08/25 16:41 [1]
Total/NA	Analysis	335.4		1	817172	AC	EET CHI	05/09/25 16:31
Total/NA	Prep	Distill/Ammonia			818723	EB	EET CHI	05/22/25 11:37 - 05/22/25 12:37 [1]
Total/NA	Analysis	350.1		1	818865	EB	EET CHI	05/23/25 08:57
Total/NA	Prep	365.2/365.3/365			817630	MF	EET CHI	05/14/25 10:23 - 05/14/25 14:23 [1]
Total/NA	Analysis	365.1		1	818259	MF	EET CHI	05/19/25 11:43
Total/NA	Analysis	SM 2320B		1	816685	AC	EET CHI	05/07/25 08:31
Total/NA	Analysis	SM 2520B		1	816837	AC	EET CHI	05/08/25 07:50
Total/NA	Analysis	SM 2540C		1	816633	CLB	EET CHI	05/07/25 03:17
Total/NA	Analysis	SM 2540D		1	816597	NM	EET CHI	05/06/25 15:00 - 05/06/25 15:04 [1]
Total/NA	Analysis	SM 4500 S2 F		1	816808	CLB	EET CHI	05/07/25 23:04 - 05/07/25 23:07 [1]
Dissolved	Analysis	SM 5310C		1	818109	TR	EET CHI	05/16/25 09:52
Total/NA	Analysis	SM 5310C		1	818108	TR	EET CHI	05/15/25 20:57

Lab Chronicle

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267711-1

Client Sample ID: MW-37_20250501_FBLL

Lab Sample ID: 500-267711-22

Date Collected: 05/01/25 10:30

Matrix: Water

Date Received: 05/02/25 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	1631E		1	6929	CL	EET SSM	05/20/25 19:07

Client Sample ID: MW-41_20250501

Lab Sample ID: 500-267711-23

Date Collected: 05/01/25 08:45

Matrix: Water

Date Received: 05/02/25 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	1630			6988	AJD	EET SSM	05/23/25 10:57
Dissolved	Analysis	1630		1	7043	CL	EET SSM	05/23/25 23:57
Total/NA	Prep	1630			6988	AJD	EET SSM	05/23/25 10:57
Total/NA	Analysis	1630		1	7043	CL	EET SSM	05/23/25 23:47
Dissolved	Analysis	1631E		1	6929	CL	EET SSM	05/20/25 20:42
Total/NA	Analysis	1631E		1	6929	CL	EET SSM	05/20/25 19:11
Dissolved	Prep	1638			6942	V1R	EET SSM	05/21/25 13:55
Dissolved	Analysis	1638		1	6989	COW	EET SSM	05/22/25 18:05
Total Recoverable	Prep	1638			6943	V1R	EET SSM	05/21/25 13:55
Total Recoverable	Analysis	1638		1	6989	COW	EET SSM	05/22/25 19:35
Dissolved	Prep	3005A			817154	S1Z	EET CHI	05/09/25 15:45 - 05/09/25 21:45 [1]
Dissolved	Analysis	6020B		1	817602	RN	EET CHI	05/13/25 19:27
Dissolved	Prep	3005A			817154	S1Z	EET CHI	05/09/25 15:45 - 05/09/25 21:45 [1]
Dissolved	Analysis	6020B		1	817764	RN	EET CHI	05/14/25 13:52
Total Recoverable	Prep	3005A			817154	S1Z	EET CHI	05/09/25 15:45 - 05/09/25 21:45 [1]
Total Recoverable	Analysis	6020B		1	817602	RN	EET CHI	05/13/25 19:25
Total Recoverable	Prep	3005A			817154	S1Z	EET CHI	05/09/25 15:45 - 05/09/25 21:45 [1]
Total Recoverable	Analysis	6020B		1	817764	RN	EET CHI	05/14/25 13:49
Total Recoverable	Prep	3005A			817154	S1Z	EET CHI	05/09/25 15:45 - 05/09/25 21:45 [1]
Total Recoverable	Analysis	SM 2340B		1	817453	RN	EET CHI	05/14/25 09:43
Total/NA	Analysis	300.0		1	816170	W1T	EET CHI	05/02/25 15:36
Total/NA	Analysis	300.0		1	816171	MM	EET CHI	05/02/25 15:36
Total/NA	Prep	Distill/CN			816980	AC	EET CHI	05/08/25 16:11 - 05/08/25 16:41 [1]
Total/NA	Analysis	335.4		1	817172	AC	EET CHI	05/09/25 16:34
Total/NA	Prep	Distill/Ammonia			818723	EB	EET CHI	05/22/25 11:37 - 05/22/25 12:37 [1]
Total/NA	Analysis	350.1		1	818865	EB	EET CHI	05/23/25 08:58
Total/NA	Prep	365.2/365.3/365			817630	MF	EET CHI	05/14/25 10:23 - 05/14/25 14:23 [1]
Total/NA	Analysis	365.1		1	818259	MF	EET CHI	05/19/25 11:46
Total/NA	Analysis	SM 2320B		1	816685	AC	EET CHI	05/07/25 08:40
Total/NA	Analysis	SM 2520B		1	816837	AC	EET CHI	05/08/25 07:50
Total/NA	Analysis	SM 2540C		1	816633	CLB	EET CHI	05/07/25 03:20
Total/NA	Analysis	SM 2540D		1	816597	NM	EET CHI	05/06/25 15:04 - 05/06/25 15:08 [1]
Total/NA	Analysis	SM 4500 S2 F		1	816808	CLB	EET CHI	05/07/25 23:07 - 05/07/25 23:11 [1]
Dissolved	Analysis	SM 5310C		1	818109	TR	EET CHI	05/16/25 10:24
Total/NA	Analysis	SM 5310C		1	818108	TR	EET CHI	05/15/25 21:29

Lab Chronicle

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267711-1

Client Sample ID: MW-41_20250501_FBLL

Lab Sample ID: 500-267711-24

Date Collected: 05/01/25 08:45

Matrix: Water

Date Received: 05/02/25 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	1631E		1	6929	CL	EET SSM	05/20/25 20:46

Client Sample ID: TBN-01_20250501

Lab Sample ID: 500-267711-25

Date Collected: 05/01/25 11:45

Matrix: Water

Date Received: 05/02/25 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	1630			6988	AJD	EET SSM	05/23/25 10:57
Dissolved	Analysis	1630		1	7043	CL	EET SSM	05/24/25 00:38
Total/NA	Prep	1630			6988	AJD	EET SSM	05/23/25 10:57
Total/NA	Analysis	1630		1	7043	CL	EET SSM	05/24/25 00:27
Dissolved	Analysis	1631E		1	6929	CL	EET SSM	05/20/25 20:54
Total/NA	Analysis	1631E		1	6929	CL	EET SSM	05/20/25 20:50
Dissolved	Prep	1638			6942	V1R	EET SSM	05/21/25 13:55
Dissolved	Analysis	1638		1	6989	COW	EET SSM	05/22/25 18:09
Total Recoverable	Prep	1638			6943	V1R	EET SSM	05/21/25 13:55
Total Recoverable	Analysis	1638		1	6989	COW	EET SSM	05/22/25 19:46
Dissolved	Prep	3005A			817154	S1Z	EET CHI	05/09/25 15:45 - 05/09/25 21:45 [1]
Dissolved	Analysis	6020B		1	817602	RN	EET CHI	05/13/25 19:32
Dissolved	Prep	3005A			817154	S1Z	EET CHI	05/09/25 15:45 - 05/09/25 21:45 [1]
Dissolved	Analysis	6020B		1	817764	RN	EET CHI	05/14/25 13:57
Total Recoverable	Prep	3005A			817154	S1Z	EET CHI	05/09/25 15:45 - 05/09/25 21:45 [1]
Total Recoverable	Analysis	6020B		1	817602	RN	EET CHI	05/13/25 19:30
Total Recoverable	Prep	3005A			817154	S1Z	EET CHI	05/09/25 15:45 - 05/09/25 21:45 [1]
Total Recoverable	Analysis	6020B		1	817764	RN	EET CHI	05/14/25 13:54
Total Recoverable	Prep	3005A			817154	S1Z	EET CHI	05/09/25 15:45 - 05/09/25 21:45 [1]
Total Recoverable	Analysis	SM 2340B		1	817453	RN	EET CHI	05/14/25 09:43
Total/NA	Analysis	300.0		1	816170	W1T	EET CHI	05/02/25 15:51
Total/NA	Analysis	300.0		1	816171	MM	EET CHI	05/02/25 15:51
Total/NA	Prep	Distill/CN			816980	AC	EET CHI	05/08/25 16:11 - 05/08/25 16:41 [1]
Total/NA	Analysis	335.4		1	817172	AC	EET CHI	05/09/25 16:35
Total/NA	Prep	Distill/Ammonia			818723	EB	EET CHI	05/22/25 11:37 - 05/22/25 12:37 [1]
Total/NA	Analysis	350.1		1	818865	EB	EET CHI	05/23/25 08:58
Total/NA	Prep	365.2/365.3/365			817630	MF	EET CHI	05/14/25 10:23 - 05/14/25 14:23 [1]
Total/NA	Analysis	365.1		1	818259	MF	EET CHI	05/19/25 11:47
Total/NA	Analysis	SM 2320B		1	817134	SO	EET CHI	05/08/25 15:09
Total/NA	Analysis	SM 2520B		1	816837	AC	EET CHI	05/08/25 07:50
Total/NA	Analysis	SM 2540C		1	816633	CLB	EET CHI	05/07/25 03:22
Total/NA	Analysis	SM 2540D		1	816597	NM	EET CHI	05/06/25 15:08 - 05/06/25 15:12 [1]
Total/NA	Analysis	SM 4500 S2 F		1	816808	CLB	EET CHI	05/07/25 23:11 - 05/07/25 23:15 [1]
Dissolved	Analysis	SM 5310C		1	818109	TR	EET CHI	05/16/25 10:56
Total/NA	Analysis	SM 5310C		1	818108	TR	EET CHI	05/15/25 22:02

Client Sample ID: TBN-01_20250501_FBLL

Lab Sample ID: 500-267711-26

Date Collected: 05/01/25 11:45
Matrix: Water
Date Received: 05/02/25 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	1631E		1	6929	CL	EET SSM	05/20/25 20:59

Client Sample ID: TBS-01_20250501

Lab Sample ID: 500-267711-27

Date Collected: 05/01/25 11:15
Matrix: Water
Date Received: 05/02/25 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	1630			6988	AJD	EET SSM	05/23/25 10:57
Dissolved	Analysis	1630		1	7043	CL	EET SSM	05/24/25 00:58
Total/NA	Prep	1630			6988	AJD	EET SSM	05/23/25 10:57
Total/NA	Analysis	1630		1	7043	CL	EET SSM	05/24/25 00:48
Dissolved	Analysis	1631E		1	6929	CL	EET SSM	05/20/25 21:07
Total/NA	Analysis	1631E		1	6929	CL	EET SSM	05/20/25 21:03
Dissolved	Prep	1638			6942	V1R	EET SSM	05/21/25 13:55
Dissolved	Analysis	1638		1	6989	COW	EET SSM	05/22/25 18:12
Total Recoverable	Prep	1638			6943	V1R	EET SSM	05/21/25 13:55
Total Recoverable	Analysis	1638		1	6989	COW	EET SSM	05/22/25 19:50
Dissolved	Prep	3005A			817154	S1Z	EET CHI	05/09/25 15:45 - 05/09/25 21:45 [1]
Dissolved	Analysis	6020B		1	817602	RN	EET CHI	05/13/25 19:42
Dissolved	Prep	3005A			817154	S1Z	EET CHI	05/09/25 15:45 - 05/09/25 21:45 [1]
Dissolved	Analysis	6020B		1	817764	RN	EET CHI	05/14/25 14:01
Total Recoverable	Prep	3005A			817154	S1Z	EET CHI	05/09/25 15:45 - 05/09/25 21:45 [1]
Total Recoverable	Analysis	6020B		1	817602	RN	EET CHI	05/13/25 19:34
Total Recoverable	Prep	3005A			817154	S1Z	EET CHI	05/09/25 15:45 - 05/09/25 21:45 [1]
Total Recoverable	Analysis	6020B		1	817764	RN	EET CHI	05/14/25 13:59
Total Recoverable	Prep	3005A			817154	S1Z	EET CHI	05/09/25 15:45 - 05/09/25 21:45 [1]
Total Recoverable	Analysis	SM 2340B		1	817453	RN	EET CHI	05/14/25 09:43
Total/NA	Analysis	300.0		1	816170	W1T	EET CHI	05/02/25 16:06
Total/NA	Analysis	300.0		1	816171	MM	EET CHI	05/02/25 16:06
Total/NA	Prep	Distill/CN			816980	AC	EET CHI	05/08/25 16:11 - 05/08/25 16:41 [1]
Total/NA	Analysis	335.4		1	817172	AC	EET CHI	05/09/25 16:36
Total/NA	Prep	Distill/Ammonia			818723	EB	EET CHI	05/22/25 11:37 - 05/22/25 12:37 [1]
Total/NA	Analysis	350.1		1	818865	EB	EET CHI	05/23/25 08:59
Total/NA	Prep	365.2/365.3/365			817630	MF	EET CHI	05/14/25 10:23 - 05/14/25 14:23 [1]
Total/NA	Analysis	365.1		1	818259	MF	EET CHI	05/19/25 11:50
Total/NA	Analysis	SM 2320B		1	817134	SO	EET CHI	05/08/25 15:18
Total/NA	Analysis	SM 2520B		1	816837	AC	EET CHI	05/08/25 07:50
Total/NA	Analysis	SM 2540C		1	816633	CLB	EET CHI	05/07/25 03:25
Total/NA	Analysis	SM 2540D		1	816597	NM	EET CHI	05/06/25 15:16 - 05/06/25 15:20 [1]
Total/NA	Analysis	SM 4500 S2 F		1	816808	CLB	EET CHI	05/07/25 23:15 - 05/07/25 23:18 [1]
Dissolved	Analysis	SM 5310C		1	818109	TR	EET CHI	05/16/25 11:29
Total/NA	Analysis	SM 5310C		1	818108	TR	EET CHI	05/15/25 22:34

Lab Chronicle

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267711-1

Client Sample ID: TBS-01_20250501_FBLL

Lab Sample ID: 500-267711-28

Date Collected: 05/01/25 11:15
Matrix: Water
Date Received: 05/02/25 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	1631E		1	6929	CL	EET SSM	05/20/25 21:11

Client Sample ID: LKS-02_20250501

Lab Sample ID: 500-267711-29

Date Collected: 05/01/25 08:00
Matrix: Water
Date Received: 05/02/25 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	1630			6988	AJD	EET SSM	05/23/25 10:57
Dissolved	Analysis	1630		1	7043	CL	EET SSM	05/24/25 01:08
Total/NA	Prep	1630			6988	AJD	EET SSM	05/23/25 10:57
Total/NA	Analysis	1630		1	7043	CL	EET SSM	05/23/25 21:44
Dissolved	Analysis	1631E		1	7056	CL	EET SSM	05/27/25 17:25
Total/NA	Analysis	1631E		1	7056	CL	EET SSM	05/27/25 17:00
Dissolved	Prep	1638			6942	V1R	EET SSM	05/21/25 13:55
Dissolved	Analysis	1638		1	6989	COW	EET SSM	05/22/25 17:28
Total Recoverable	Prep	1638			6943	V1R	EET SSM	05/21/25 13:55
Total Recoverable	Analysis	1638		1	6989	COW	EET SSM	05/22/25 19:54
Dissolved	Prep	3005A			817154	S1Z	EET CHI	05/09/25 15:45 - 05/09/25 21:45 [1]
Dissolved	Analysis	6020B		1	817602	RN	EET CHI	05/13/25 19:47
Dissolved	Prep	3005A			817154	S1Z	EET CHI	05/09/25 15:45 - 05/09/25 21:45 [1]
Dissolved	Analysis	6020B		1	817764	RN	EET CHI	05/14/25 14:06
Total Recoverable	Prep	3005A			817154	S1Z	EET CHI	05/09/25 15:45 - 05/09/25 21:45 [1]
Total Recoverable	Analysis	6020B		1	817602	RN	EET CHI	05/13/25 19:44
Total Recoverable	Prep	3005A			817154	S1Z	EET CHI	05/09/25 15:45 - 05/09/25 21:45 [1]
Total Recoverable	Analysis	6020B		1	817764	RN	EET CHI	05/14/25 14:04
Total Recoverable	Prep	3005A			817154	S1Z	EET CHI	05/09/25 15:45 - 05/09/25 21:45 [1]
Total Recoverable	Analysis	SM 2340B		1	817453	RN	EET CHI	05/14/25 09:43
Total/NA	Analysis	300.0		1	816170	W1T	EET CHI	05/02/25 16:21
Total/NA	Analysis	300.0		1	816171	MM	EET CHI	05/02/25 16:21
Total/NA	Prep	Distill/CN			817189	AC	EET CHI	05/11/25 10:55 - 05/11/25 11:25 [1]
Total/NA	Analysis	335.4		1	817297	KF	EET CHI	05/12/25 10:59
Total/NA	Prep	Distill/Ammonia			818723	EB	EET CHI	05/22/25 11:37 - 05/22/25 12:37 [1]
Total/NA	Analysis	350.1		1	818865	EB	EET CHI	05/23/25 08:59
Total/NA	Prep	365.2/365.3/365			817630	MF	EET CHI	05/14/25 10:23 - 05/14/25 14:23 [1]
Total/NA	Analysis	365.1		1	818259	MF	EET CHI	05/19/25 11:51
Total/NA	Analysis	SM 2320B		1	817134	SO	EET CHI	05/08/25 15:28
Total/NA	Analysis	SM 2520B		1	817193	AC	EET CHI	05/11/25 12:45
Total/NA	Analysis	SM 2540C		1	816633	CLB	EET CHI	05/07/25 03:28
Total/NA	Analysis	SM 2540D		1	816597	NM	EET CHI	05/06/25 15:24 - 05/06/25 15:28 [1]
Total/NA	Analysis	SM 4500 S2 F		1	816808	CLB	EET CHI	05/07/25 23:18 - 05/07/25 23:22 [1]
Dissolved	Analysis	SM 5310C		1	818109	TR	EET CHI	05/16/25 12:01
Total/NA	Analysis	SM 5310C		1	818108	TR	EET CHI	05/15/25 23:06

Lab Chronicle

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267711-1

Client Sample ID: LKS-02_20250501_FBLL

Lab Sample ID: 500-267711-30

Date Collected: 05/01/25 08:00

Matrix: Water

Date Received: 05/02/25 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	1631E		1	7056	CL	EET SSM	05/27/25 17:04

Client Sample ID: PNC-04_20250501

Lab Sample ID: 500-267711-31

Date Collected: 05/01/25 10:30

Matrix: Water

Date Received: 05/02/25 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	1630			6988	AJD	EET SSM	05/23/25 10:57
Dissolved	Analysis	1630		1	7043	CL	EET SSM	05/24/25 01:29
Total/NA	Prep	1630			6988	AJD	EET SSM	05/23/25 10:57
Total/NA	Analysis	1630		1	7043	CL	EET SSM	05/24/25 01:18
Dissolved	Analysis	1631E		1	7056	CL	EET SSM	05/27/25 17:29
Total/NA	Analysis	1631E		1	7056	CL	EET SSM	05/27/25 17:08
Dissolved	Prep	1638			6942	V1R	EET SSM	05/21/25 13:55
Dissolved	Analysis	1638		1	6989	COW	EET SSM	05/22/25 18:16
Total Recoverable	Prep	1638			6943	V1R	EET SSM	05/21/25 13:55
Total Recoverable	Analysis	1638		1	6989	COW	EET SSM	05/22/25 19:57
Dissolved	Prep	3005A			817154	S1Z	EET CHI	05/09/25 15:45 - 05/09/25 21:45 ¹
Dissolved	Analysis	6020B		1	817602	RN	EET CHI	05/13/25 19:51
Dissolved	Prep	3005A			817154	S1Z	EET CHI	05/09/25 15:45 - 05/09/25 21:45 ¹
Dissolved	Analysis	6020B		1	817764	RN	EET CHI	05/14/25 14:16
Total Recoverable	Prep	3005A			817154	S1Z	EET CHI	05/09/25 15:45 - 05/09/25 21:45 ¹
Total Recoverable	Analysis	6020B		1	817602	RN	EET CHI	05/13/25 19:49
Total Recoverable	Prep	3005A			817154	S1Z	EET CHI	05/09/25 15:45 - 05/09/25 21:45 ¹
Total Recoverable	Analysis	6020B		1	817764	RN	EET CHI	05/14/25 14:09
Total Recoverable	Prep	3005A			817154	S1Z	EET CHI	05/09/25 15:45 - 05/09/25 21:45 ¹
Total Recoverable	Analysis	SM 2340B		1	817453	RN	EET CHI	05/14/25 09:43
Total/NA	Analysis	300.0		1	816170	W1T	EET CHI	05/02/25 16:37
Total/NA	Analysis	300.0		1	816171	MM	EET CHI	05/02/25 16:37
Total/NA	Prep	Distill/CN			817189	AC	EET CHI	05/11/25 10:55 - 05/11/25 11:25 ¹
Total/NA	Analysis	335.4		1	817297	KF	EET CHI	05/12/25 11:00
Total/NA	Prep	Distill/Ammonia			818723	EB	EET CHI	05/22/25 11:37 - 05/22/25 12:37 ¹
Total/NA	Analysis	350.1		1	818865	EB	EET CHI	05/23/25 09:00
Total/NA	Prep	365.2/365.3/365			817630	MF	EET CHI	05/14/25 10:23 - 05/14/25 14:23 ¹
Total/NA	Analysis	365.1		1	818259	MF	EET CHI	05/19/25 11:52
Total/NA	Analysis	SM 2320B		1	817134	SO	EET CHI	05/08/25 15:37
Total/NA	Analysis	SM 2520B		1	816837	AC	EET CHI	05/08/25 07:50
Total/NA	Analysis	SM 2540C		1	816633	CLB	EET CHI	05/07/25 03:30
Total/NA	Analysis	SM 2540D		1	816597	NM	EET CHI	05/06/25 15:28 - 05/06/25 15:32 ¹
Total/NA	Analysis	SM 4500 S2 F		1	816808	CLB	EET CHI	05/07/25 23:22 - 05/07/25 23:26 ¹
Dissolved	Analysis	SM 5310C		1	818109	TR	EET CHI	05/16/25 13:38
Total/NA	Analysis	SM 5310C		1	818108	TR	EET CHI	05/15/25 23:39

Lab Chronicle

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267711-1

Client Sample ID: PNC-04_20250501_FBLL

Date Collected: 05/01/25 10:30
Date Received: 05/02/25 09:20

Lab Sample ID: 500-267711-32

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	1631E		1	7056	CL	EET SSM	05/27/25 17:21

[1] This procedure uses a method stipulated length of time for the process. Both start and end times are displayed.

Laboratory References:

EET CHI = Eurofins Chicago, 18410 Crossing Drive, Suite E, Tinley Park, IL 60487, TEL (708)534-5200

EET SSM = Eurofins Seattle Specialty Metals, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

Accreditation/Certification Summary

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-267711-1

Laboratory: Eurofins Chicago

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Georgia	State	N/A	05-31-25
Georgia (DW)	State	939	05-31-25
Hawaii	State	NA	05-31-25
Illinois	NELAP	100201	05-31-26
Indiana	State	C-IL-02	05-31-26
Iowa	State	082	05-01-26
Kansas	NELAP	E-10161	10-31-25
Kentucky (UST)	State	AI # 108083	05-31-26
Kentucky (WW)	State	KY90023	12-31-24 *
Louisiana (All)	NELAP	02046	06-30-25
Mississippi	State	NA	05-31-25
North Carolina (WW/SW)	State	291	05-25-25
North Dakota	State	R-194	04-29-24 *
Oklahoma	State	8908	08-31-25
South Carolina	State	77001003	05-26-25
USDA	US Federal Programs	P330-18-00018	03-30-26
Wisconsin	State	399172840	08-31-25
Wyoming	State	8TMS-Q	05-31-25

Laboratory: Eurofins Seattle Specialty Metals

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	20-004	02-19-27
ANAB	Dept. of Defense ELAP	L2236	01-19-27
ANAB	Dept. of Energy	L2236.01	01-19-27
ANAB	ISO/IEC 17025	L2236	01-19-27
California	State	2954	07-08-26
Florida	NELAP	E87575	06-30-25
Louisiana (All)	NELAP	03073	06-30-25
Maine	State	WA01273	05-02-26
New Jersey	NELAP	WA014	06-30-25
New York	NELAP	11662	04-01-26
Oregon	NELAP	4167-008	07-07-25
US Fish & Wildlife	US Federal Programs	A20571	06-30-25
USDA	US Federal Programs	525-23-4-22573	01-24-28
Washington	State	C788-23a	07-13-25
Wisconsin	State	399133460	07-31-25

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Eurofins Chicago
18410 Crossing Drive, Suite E
Tinley Park, IL 60487
Phone (708) 534-5200 Phone (262) 202-5955

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: ELLEN COPPERNOLL	Lab PM: Fredrick, Sandie	Carrier Tracking No(s): 452318058015	COC No: 500-135006-50241 16
Client Contact: Amanda Zeidler	Phone: 517-513-2249	E-Mail: Sandra Fredrick@et eurofinsus.com	State of Origin: Michigan	Page: Page 1 of 1
Company: White Pine Copper LLC	PWSID:			Job #: 500-267711
Address: 35362 Mall Circle Drive	Due Date Requested:			
City: White Pine	TAT Requested (days): 10 days			
State, Zip: MI, 49971	Compliance Project: Δ Yes Δ No			
Phone: 906-204-6500	PO #: Purchase Order not required			
Email: AZeidler@whitepinecu com	WO #:			
Project Name: White Pines, MI	Project #: 50023455			
Site: White Pine North Baseline Sampling	SSOW#:			

Analysis Requested

Preservation Codes.
S H2SO4
N None
CB ZnAcetate/NaOH
B NaOH
D - HNO3
A HCL

Other: 500-267711 COC

	Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	350.1 Ammonia, 365.1 Phos	2320B, 2540C, 2540D, 300.0_28D, 300_48HR, SM2520_B	SM4500_S2_F - Sulfide, Total	335.4 - Cyanide, Total	SM5310_DOC_C - Organic Carbon, Dissolved (DOC) - tripli	6020B, SM2340B Total Metals / Hardness	1638 - Uranium only (ICP/MS)	1631E - Mercury, Low Level (CVAFS)	1630_ME - Methyl Mercury	6020B - Dissolved Metals (ICP/MS) - 27 elements	1638 - Dissolved Uranium only (ICP/MS) (field filtered)	1631E - Dissolved Mercury, Low Level (CVAFS) (filtered)	1630_ME - Dissolved Methyl Mercury (field filtered)	5310C - TOC	Total Number of containers	Special Instructions/Note:
				Preservation Code:				S	N	CB	B	S	D	D	N	A	D	D	N	A	S		
1	MW-35_20250430	4-30-25	17:00	G	Water	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	22	
2	MW-35_20250430_FBLL	4-30 25	17:00	G	Water										X							2	
3	MW-36_20250430	4-30-25	16:00	G	Water	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	22	
4	MW 36_20250430_FBLL	4-30-25	16:00	G	Water										X							2	
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested I, II, III, IV, Other (specify)

Special Instructions/QC Requirements MDLs must meet Michigan requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment: FEDEX PRIORITY OVERNIGHT

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1		4-30 25 17:00	MSG		4-30 25 17:00	MSG
2		~~4-30 25~~ 5-1-25 07:00	MSG	FEDEX 452318058015		
3				Stephanie Hemenway	5/2/25 0920	EETA

Custody Seals Intact. Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks
		2.9+3.2, 1.7+2.0, 3.4+3.7, 3.8+4, 1.4+4.4

4.7+5.0, 1.8+2.4, 2.9+3.2

Eurofins Chicago
18410 Crossing Drive, Suite E
Tinley Park, IL 60487
Phone (708) 534-5200 Phone (262) 202-5955

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Jacob Dean	Lab PM: Fredrick, Sandie	Carrier Tracking No(s): 452318058026	COC No: 500-135006-50241 10
Client Contact: Amanda Zeidler	Phone: 906-487-7454	E-Mail: Sandra Fredrick@et eurofinsus com	State of Origin: Michigan	Page: Page 1 of 1
Company: White Pine Copper LLC	PWSID:			Job #: 500-267711
Address: 35362 Mall Circle Drive	Due Date Requested:			
City: White Pine	TAT Requested (days): 10 days			
State, Zip: MI, 49971	Compliance Project: Δ Yes Δ No			
Phone: 906-204-6500	PO #: Purchase Order not required			
Email: AZeidler@whitepinecu com	WO #:			
Project Name: White Pines, MI	Project #: 50023455			
Site: White Pine North Baseline Sampling	SSOW#:			

Analysis Requested

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	350.1 Ammonia, 365.1 Phos	2320B, 2540C, 2540D, 300.0_28D, 300_48HR, SM2520_B	SM4500_S2_F - Sulfide, Total	335.4 - Cyanide, Total	SM5310_DOC_C - Organic Carbon, Dissolved (DOC) - tripli	6020B, SM2340B Total Metals / Hardness	1638 - Uranium only (ICP/MS)	1631E - Mercury, Low Level (CVAFS)	1630_ME - Methyl Mercury	6020B - Dissolved Metals (ICP/MS) - 27 elements	1638 - Dissolved Uranium only (ICP/MS) (field filtered)	1631E - Dissolved Mercury, Low Level (CVAFS) (filtered)	1630_ME - Dissolved Methyl Mercury (field filtered)	5310C - TOC	Total Number of containers	Special Instructions/Note:
			Preservation Code:		X	X	S	N	CB	B	S	D	D	N	A	D	D	N	A	S	X	
5 LKS-01_20250430	4-30-25	10:30	G	Water	Y	N	X	X	X	X	X	X	X	X	X	X	X	X	X	X	22	
6 LKS-01_20250430-FBLL	4-30-25	10:30	G	Water	N	N								X							2	
				Water																		
				Water																		
				Water																		
				Water																		
				Water																		
				Water																		
				Water																		
				Water																		
				Water																		

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements: MDLs must meet Michigan requirements

Empty Kit Relinquished by:	Date	Time	Method of Shipment:

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1	Jacob Dean	4-30-25 17:00	MSG		4-30-25 17:00	MSG
2		5-1-25 09:00	MSG	FedEx 452318058026		
3				Stephanie Hernandez	5/2/25 0920	EEIA

Custody Seals Intact: Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks:

Eurofins Chicago
18410 Crossing Drive, Suite E
Tinley Park, IL 60487
Phone (708) 534-5200 Phone (262) 202-5955

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: ELLEN COPPERNOLL	Lab PM: Fredrick, Sandie	Carrier Tracking No(s): 4523 1805 8026	COC No.: 500-135006-50241 15
Client Contact: Amanda Zeidler	Phone: 517-513-2249	E-Mail: Sandra Fredrick@et eurofinsus com	State of Origin: Michigan	Page: Page 1 of 1
Company: White Pine Copper LLC	PWSID:			Job #: 500-267711
Address: 35362 Mall Circle Drive	Due Date Requested:			
City: White Pine	TAT Requested (days): 10 days			
State, Zip: MI, 49971	Compliance Project: Δ Yes Δ No			
Phone: 906-204-6500	PO #: Purchase Order not required			
Email: AZeidler@whitepinecu com	WO #:			
Project Name: White Pines, MI	Project #: 50023455			
Site: White Pine North Baseline Sampling	SSOW#:			

Analysis Requested

Preservation Codes:
S H2SO4
N None
CB - ZnAcetate/NaOH
B NaOH
D HNO3
A HCL
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	350.1 Ammonia, 365.1 Phos	2320B, 2540C, 2540D, 300.0_28D, 300_48HR, SM2520_B	SM4500_S2_F - Sulfide, Total	335.4 - Cyanide, Total	SM5310_DOC_C - Organic Carbon, Dissolved (DOC) - tripli	6020B, SM2340B Total Metals / Hardness	1638 - Uranium only (ICP/MS)	1631E - Mercury, Low Level (CVAFS)	1630_ME - Methyl Mercury	6020B - Dissolved Metals (ICP/MS) - 27 elements	1638 - Dissolved Uranium only (ICP/MS) (field filtered)	1631E - Dissolved Mercury, Low Level (CVAFS) (filtered)	1630_ME - Dissolved Methyl Mercury (field filtered)	5310C - TOC	Total Number of containers	Special Instructions/Note:
			Preservation Code:				S	N	CB	B	S	D	D	N	A	D	D	N	A	S	
7 SMW-1SB_20250430	4-30-25	10:45	C	Water	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	22
8 SMW-1SB_20250430_FBLL	4-30-25	10:45	G	Water										X							2
				Water																	
				Water																	
				Water																	
				Water																	
				Water																	
				Water																	
				Water																	
				Water																	
				Water																	

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested I, II, III, IV, Other (specify)

Special Instructions/QC Requirements MDLs must meet Michigan requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment: FEDEX PRIORITY OVERNIGHT

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
	4-30-25 17:00	MSG		4-30-25 17:00	MSG
	5-1-25 09:00	MSG	FEDEX 452318058026		
	Date/Time:	Company	Received by: Stephanie Hernandez	Date/Time: 5/2/25 0920	Company EETA

Custody Seals Intact Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks

Eurofins Chicago
18410 Crossing Drive, Suite E
Tinley Park, IL 60487
Phone (708) 534-5200 Phone (262) 202-5955

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: ELLEN CAPPERNELL	Lab PM: Fredrick, Sandie	Carrier Tracking No(s): 452318058037	COC No: 500-135006-50241 12
Client Contact: Amanda Zeidler	Phone: 517-513-2249	E-Mail: Sandra Fredrick@et eurofinsus com	State of Origin: Michigan	Page: Page 1 of 1
Company: White Pine Copper LLC	PWSID:			Job #: 500-267711
Address: 35362 Mall Circle Drive	Due Date Requested:			
City: White Pine	TAT Requested (days): 10 days			
State, Zip: MI, 49971	Compliance Project: Δ Yes Δ No			
Phone: 906-204-6500	PO #: Purchase Order not required			
Email: AZeidler@whitepinecu com	WO #:			
Project Name: White Pines, MI	Project #: 50023455			
Site: White Pine North Baseline Sampling	SSOW#:			

Analysis Requested

Preservation Codes:
S - H2SO4
N - None
CB ZnAcetate/NaOH
B NaOH
D HNO3
A HCL
Other:

	Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	350.1 Ammonia, 365.1 Phos	2320B, 2540C, 2540D, 300.0_28D, 300_48HR, SM2520_B	SM4500_S2_F - Sulfide, Total	335.4 - Cyanide, Total	SM5310_DOC_C - Organic Carbon, Dissolved (DOC) - tripli	6020B, SM2340B Total Metals / Hardness	1638 - Uranium only (ICP/MS)	1631E - Mercury, Low Level (CVAFS)	1630_ME - Methyl Mercury	6020B - Dissolved Metals (ICP/MS) - 27 elements	1638 - Dissolved Uranium only (ICP/MS) (field filtered)	1631E - Dissolved Mercury, Low Level (CVAFS) (filtered)	1630_ME - Dissolved Methyl Mercury (field filtered)	5310C - TOC	Total Number of containers	Special Instructions/Note:
				Preservation Code:		X	X	S	N	CB	B	S	D	D	N	A	D	D	N	A	S		
9	NB2-1_20250430	4-30-25	13:00	G	Water	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	22	
10	NB2-1_20250430_FBLL	4-30-25	13:00	G	Water										X							2	
11	NB2-3_20250430	4-30-25	14:00	G	Water	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	22	
12	NB2-3_20250430_FBLL	4-30 25	14:00	G	Water										X							2	
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested I, II, III, IV, Other (specify)

Special Instructions/QC Requirements MDLs must meet Michigan requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment: FEDEX PRIORITY OVERNIGHT

Relinquished by:		Date/Time: 4-30-25 17:00	Company: MSG	Received by:	Date/Time: 4-30 25 17:00	Company: MSG
Relinquished by:		Date/Time: 5-1-25 09:00	Company: MSG	Received by: FEDEX 452318058037	Date/Time:	Company:
Relinquished by:		Date/Time:	Company:	Received by: Stephanie Hernandez	Date/Time: 5/2/25 0920	Company: EA

Custody Seals Intact: Δ Yes Δ No | Custody Seal No

Cooler Temperature(s) °C and Other Remarks

Eurofins Chicago
18410 Crossing Drive, Suite E
Tinley Park, IL 60487
Phone (708) 534-5200 Phone (262) 202-5955

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Jacob Dean	Lab PM: Fredrick, Sandie	Carrier Tracking No(s): 452318058048	COC No: 500-135006-50241 11
Client Contact: Amanda Zeidler	Phone: 906.487.7454	E-Mail: Sandra Fredrick@et.eurofinsus com	State of Origin: Michigan	Page: Page 1 of 1
Company: White Pine Copper LLC	PWSID:			Job #: 500-267711
Address: 35362 Mall Circle Drive	Due Date Requested:			
City: White Pine	TAT Requested (days): 10 days			
State Zip: MI, 49971	Compliance Project: Δ Yes Δ No			
Phone: 906-204-6500	PO #: Purchase Order not required			
Email: AZeidler@whitepinecu com	WO #:			
Project Name: White Pines, MI	Project #: 50023455			
Site: White Pine North Baseline Sampling	SSOW#:			

Analysis Requested

Preservation Codes:
S - H2SO4
N None
CB ZnAcetate/NaOH
B NaOH
D HNO3
A HCL
Other:

	Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	350.1 Ammonia, 365.1 Phos	2320B, 2540C, 2540D, 300.0_28D, 300_48HR, SM2520_B	SM4500_S2_F - Sulfide, Total	335.4 - Cyanide, Total	SM5310_DOC_C - Organic Carbon, Dissolved (DOC) - tripli	6020B, SM2340B Total Metals / Hardness	1638 - Uranium only (ICP/MS)	1631E - Mercury, Low Level (CVAFS)	1630_ME - Methyl Mercury	6020B - Dissolved Metals (ICP/MS) - 27 elements	1638 - Dissolved Uranium only (ICP/MS) (field filtered)	1631E - Dissolved Mercury, Low Level (CVAFS) (filtered)	1630_ME - Dissolved Methyl Mercury (field filtered)	5310C - TOC	Total Number of containers	Special Instructions/Note:
				Preservation Code:		X	X	S	N	CB	B	S	D	D	N	A	D	D	N	A	S	X	
13	NTC-01_20250430	4.30.25	10:30	G	Water	Y	N	X	X	X	X	X	X	X	X	X	X	X	X	X	X	22	
14	NTC-01_20250430_FBLL	4.30.25	11:30	G	Water	N	N								X							2	
15	DUP-01-SW_20250430	4.30.25			Water	Y	N	X	X	X	X	X	X	X	X	X	X	X	X	X	X	22	
16	DUP-01_SW_20250430_FBLL	4.30.25			Water	N	N								X							2	
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested I, II, III, IV, Other (specify)

Special Instructions/QC Requirements MDLs must meet Michigan requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment: FEDEX PRIORITY OVERNIGHT

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1		4.30.25 17:00	MSG		4-30-25 1700	MSG
2		5-1-25 09:00	MSG	FEDEX 452318058048	Date/Time	Company
3	Relinquished by	Date/Time	Company	Received by: Stephanie Hernandez	Date/Time 5/2/25 0920	Company EETA

Custody Seals Intact. Δ Yes Δ No | Custody Seal No | Cooler Temperature(s) °C and Other Remarks

Eurofins Chicago
18410 Crossing Drive, Suite E
Tinley Park, IL 60487
Phone (708) 534-5200 Phone (262) 202-5955

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Jacob Dean	Lab PM: Fredrick, Sandie	Carrier Tracking No(s): 452318058059	COC No: 500-135006-50241 13
Client Contact: Amanda Zeidler	Phone: 906-487-7454	E-Mail: Sandra Fredrick@et.eurofinsus com	State of Origin: Michigan	Page: Page 1 of 1
Company: White Pine Copper LLC	PWSID:			Job #: 500 - 267711
Address: 35362 Mall Circle Drive	Due Date Requested:			
City: White Pine	TAT Requested (days): 10 days			
State, Zip: MI, 49971	Compliance Project: Δ Yes Δ No			
Phone: 906-204-6500	PO #: Purchase Order not required			
Email: AZeidler@whitepinecu com	WO #:			
Project Name: White Pines, MI	Project #: 50023455			
Site: White Pine North Baseline Sampling	SSOW#:			

Analysis Requested

Preservation Codes:
S H2SO4
N None
CB ZnAcetate/NaOH
B NaOH
D HNO3
A HCL
Other:

	Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	350.1 Ammonia, 365.1 Phos	2320B, 2540C, 2540D, 300.0_28D, 300_48HR, SM2520_B	SM4500_S2_F - Sulfide, Total	335.4 - Cyanide, Total	SM5310_DOC_C - Organic Carbon, Dissolved (DOC) - tripli	6020B, SM2340B Total Metals / Hardness	1638 - Uranium only (ICP/MS)	1631E - Mercury, Low Level (CVAFS)	1630_ME - Methyl Mercury	6020B - Dissolved Metals (ICP/MS) - 27 elements	1638 - Dissolved Uranium only (ICP/MS) (field filtered)	1631E - Dissolved Mercury, Low Level (CVAFS) (filtered)	1630_ME - Dissolved Methyl Mercury (field filtered)	5310C - TOC	Total Number of containers	Special Instructions/Note:
				Preservation Code:				S	N	CB	B	S	D	D	N	A	D	D	N	A	S		
17	PRC-02_20250430	4.30.25	14:00	6	Water	Y	N	X	X	X	X	X	X	X	X	X	X	X	X	X	X	22	
18	PRC-02_20250430_FBLL	4.30.25	14:00	6	Water	N	N								X							2	
19	MLR-03_20250430	4.30.25	15.00	6	Water	Y	N	X	X	X	X	X	X	X	X	X	X	X	X	X	X	22	
20	MLR-03_20250430_FBLL	4.30.25	15:00	6	Water	N	N								X							2	
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested I, II, III, IV, Other (specify)

Special Instructions/QC Requirements MDLs must meet Michigan requirements

Empty Kit Relinquished by:	Date	Time	Method of Shipment: FedEx Priority Overnight

Relinquished by: Jacob Dean	Date/Time: 4-30-25 17:00	Company: MSG	Received by:	Date/Time: 4-30 25 17:00	Company: MSG
Relinquished by:	Date/Time: 5-1-25 09:00	Company: MSG	Received by: FedEx 452318058059	Date/Time:	Company:
Relinquished by:	Date/Time:	Company:	Received by: Stephanie Hernandez	Date/Time: 5/2/25 0920	Company: EEI4

Custody Seals Intact. Δ Yes Δ No | Custody Seal No | Cooler Temperature(s) °C and Other Remarks

Eurofins Chicago
18410 Crossing Drive, Suite E
Tinley Park, IL 60487
Phone (708) 534-5200 Phone (262) 202-5955

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler	Lab PM	Carrier Tracking No(s)	COC No
	Ellen Coppernoll	Fredrick, Sandie	4523 1805 7990	500-135006-50241 19
Client Contact: Amanda Zeidler	Phone 517-513-2249	E-Mail Sandra Fredrick@et eurofinsus com	State of Origin Michigan	Page Page 1 of 1
Company White Pine Copper LLC	PWSID			Job #: 500-267711
Address 35362 Mall Circle Drive	Due Date Requested			
City White Pine	TAT Requested (days) 10 days			
State Zip MI, 49971	Compliance Project Δ Yes Δ No			
Phone 906-204-6500	PO #: Purchase Order not required			
Email AZeidler@whitepinecu com	WO #.			
Project Name: White Pines, MI	Project #: 50023455			
Site White Pine North Baseline Sampling	SSOW#.			

Analysis Requested

Preservation Codes:
S H2SO4
N None
CB ZnAcetate/NaOH
B - NaOH
D HNO3
A HCL
Other

	Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	350.1 Ammonia, 365.1 Phos	2320B, 2540C, 2540D, 300.0_28D, 300_48HR, SM2520_B	SM4500_S2_F - Sulfide, Total	335.4 - Cyanide, Total	SM5310_DOC_C - Organic Carbon, Dissolved (DOC) - tripli	6020B, SM2340B Total Metals / Hardness	1638 - Uranium only (ICP/MS)	1631E - Mercury, Low Level (CVAFS)	1630_ME - Methyl Mercury	6020B - Dissolved Metals (ICP/MS) - 27 elements	1638 - Dissolved Uranium only (ICP/MS) (field filtered)	1631E - Dissolved Mercury, Low Level (CVAFS) (filtered)	1630_ME - Dissolved Methyl Mercury (field filtered)	5310C - TOC	Total Number of containers	Special Instructions/Note:
				Preservation Code:				S	N	CB	B	S	D	D	N	A	D	D	N	A	S		
21	MW-37_20250501	5-1-25	1030		Water			X	X	X	X	X	X	X	X	X	X	X	X	X	X	22	
22	MW-37_20250501_FBLL	5-1-25	1030		Water										X							2	
23	MW-41_20250501	5-1-25	0845		Water			X	X	X	X	X	X	X	X	X	X	X	X	X	X	22	
24	MW-41_20250501_FBLL	5-1-25	0845		Water										X							2	
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested I, II, III, IV, Other (specify)

Special Instructions/QC Requirements MDLs must meet Michigan requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment Fedex Priority Overnight

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1	Relinquished by:	5-1-25 / 1600	MSG	Received by: 4523 1805 7990	Date/Time 5-1-25 / 1600	Company Fedex
2	Relinquished by:	Date/Time	Company	Received by: Stephanie Hernandez	Date/Time 512125 0920	Company EETA
3	Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No | Cooler Temperature(s) °C and Other Remarks.

Eurofins Chicago
18410 Crossing Drive, Suite E
Tinley Park, IL 60487
Phone (708) 534-5200 Phone (262) 202-5955

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Ellen Coppernoll	Lab PM: Fredrick, Sandie	Carrier Tracking No(s): 4523 1805 7980	COC No.: 500-135006-50241 18
Client Contact: Amanda Zeidler	Phone: 517-513-2749	E-Mail: Sandra Fredrick@et.eurofinsus com	State of Origin: Michigan	Page: Page 1 of 1
Company: White Pine Copper LLC	PWSID:			Job #: 500-247711
Address: 35362 Mall Circle Drive	Due Date Requested:			
City: White Pine	TAT Requested (days): 10 days			
State, Zip: MI, 49971	Compliance Project: Δ Yes Δ No			
Phone: 906-204-6500	PO #: Purchase Order not required			
Email: AZeidler@whitepinecu com	WO #:			
Project Name: White Pines, MI	Project #: 50023455			
Site: White Pine North Baseline Sampling	SSOW#:			

Analysis Requested

Preservation Codes:
S H2SO4
N None
CB ZnAcetate/NaOH
B NaOH
D HNO3
A - HCL
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	350.1 Ammonia, 365.1 Phos	2320B, 2540C, 2540D, 300.0_28D, 300_48HR, SM2520_B	SM4500_S2_F - Sulfide, Total	335.4 - Cyanide, Total	SM5310_DOC_C - Organic Carbon, Dissolved (DOC) - tripli	6020B, SM2340B Total Metals / Hardness	1638 - Uranium only (ICP/MS)	1631E - Mercury, Low Level (CVAFS)	1630_ME - Methyl Mercury	6020B - Dissolved Metals (ICP/MS) - 27 elements	1638 - Dissolved Uranium only (ICP/MS) (field filtered)	1631E - Dissolved Mercury, Low Level (CVAFS) (filtered)	1630_ME - Dissolved Methyl Mercury (field filtered)	5310C - TOC	Total Number of containers	Special Instructions/Note:
			Preservation Code:				S	N	CB	B	S	D	D	N	A	D	D	N	A	S		
25 TBN-01-20250501	5-1-25	1145		Water			X	X	X	X	X	X	X	X	X	X	X	X	X	X	22	
1249 TBS-01-20250501	5-1-25	1115		Water			X	X	X	X	X	X	X	X	X	X	X	X	X	X	22	
26 27 TBN-01-20250501-FBLL	5-1-25	1145		Water										X							2	
28 TBS-01-20250501-FBLL	5-1-25	1115		Water										X							2	
				Water																		
				Water																		
				Water																		
				Water																		
				Water																		
				Water																		
				Water																		

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, ☒ II, III, IV, Other (specify)

Special Instructions/QC Requirements: MDLs must meet Michigan requirements

Empty Kit Relinquished by:	Date	Time	Method of Shipment: Fedex Priority Overnight

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Ellen	5-1-25 / 16:00	MSG	4523 1805 7980	5/1/25 / 1600	Fedex
Relinquished by:	Date/Time:	Company:	Received by: Stephanie Humandy	Date/Time: 5/2/25 0920	Company: EETA
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:

Custody Seals Intact: Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks.

Eurofins Chicago
18410 Crossing Drive, Suite E
Tinley Park, IL 60487
Phone (708) 534-5200 Phone (262) 202-5955

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Jacob Dean	Lab PM: Fredrick, Sandie	Carrier Tracking No(s): 452318058004	COC No: 500-135006-50241 17
Client Contact: Amanda Zeidler	Phone: 906.487.7154	E-Mail: Sandra Fredrick@et eurofinsus com	State of Origin: Michigan	Page: Page 1 of 1
Company: White Pine Copper LLC	PWSID:	Analysis Requested		Job #: 500-267711
Address: 35362 Mall Circle Drive	Due Date Requested			Preservation Codes: S H2SO4, N None, CB ZnAcetate/NaOH, B NaOH, D HNO3, A HCL
City: White Pine	TAT Requested (days): 10 days			
State Zip: MI, 49971	Compliance Project: Δ Yes Δ No			
Phone: 906-204-6500	PO #: Purchase Order not required			
Email: AZeidler@whitepinecu com	WO #:			
Project Name: White Pines, MI	Project #: 50023455			
Site: White Pine North Baseline Sampling	SSOW#:			Other:

	Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	350.1 Ammonia, 365.1 Phos	2320B, 2540C, 2540D, 300.0_28D, 300_48HR, SM2520_B	SM4500_S2_F - Sulfide, Total	335.4 - Cyanide, Total	SM5310_DOC_C - Organic Carbon, Dissolved (DOC) - tripli	6020B, SM2340B Total Metals / Hardness	1638 - Uranium only (ICP/MS)	1631E - Mercury, Low Level (CVAFS)	1630_ME - Methyl Mercury	6020B - Dissolved Metals (ICP/MS) - 27 elements	1638 - Dissolved Uranium only (ICP/MS) (field filtered)	1631E - Dissolved Mercury, Low Level (CVAFS) (filtered)	1630_ME - Dissolved Methyl Mercury (field filtered)	5310C - TOC	Total Number of containers	Special Instructions/Note:
	Preservation Code:							S	N	CB	B	S	D	D	N	A	D	D	N	A	S		
30	LKS-02_20250501_FBLL	5.1.25	8:00	G	Water	N	N								X							2	
29	LKS.02_20250501	5.1.25	8:00	G	Water	Y	N	X	X	X	X	X	X	X	X	X	X	X	X	X	X	22	
32	PNC.04_20250501_FBLL	5.1.25	1030	G	Water	N	N								X							2	
31	PNC.04_20250501	5.1.25	1030	G	Water	Y	N	X	X	X	X	X	X	X	X	X	X	X	X	X	X	22	
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested I, II, III, IV, Other (specify)

Special Instructions/QC Requirements MDLs must meet Michigan requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment: FEDEX PRIORITY OVERNIGHT

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1	Jacob Dean	5-1-25 11:30	MSG		5-1-25 11:30	MSG
2		5-1-25 12:00	MSG	FEDEX 4523 1805 8004		
3		Date/Time.	Company	Stephanie Hernandez	5/2/25 0920	ET

Custody Seals Intact Δ Yes Δ No | Custody Seal No | Cooler Temperature(s) °C and Other Remarks.

Eurofins Specialty Metals Testing
5755 8th Street East
Tacoma, WA 98424
Phone 253-922-2310

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Fredrick, Sandie	Carrier Tracking No(s): N/A	COC No: 350-7086 1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Sandra Fredrick@et.eurofinsus com	State of Origin: Michigan	Page: Page 1 of 2
Company: Eurofins Environment Testing North Centr		Accreditations Required (See note): N/A		Job #: 500-267711-1
Address: 18410 Crossing Drive, Suite E,	Due Date Requested: 5/23/2025			
City: Tinley Park	TAT Requested (days): N/A			
State, Zip: IL, 60487				
Phone: 708-534-5200(Tel) 708-534-5211(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: White Pines, MI	Project #: 50023455			
Site: N/A	SSOW#: N/A			

Analysis Requested

Preservation Codes

500-267711 COC

Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	350.1/Distill_Ammonia Nitrogen, Ammonia	2320B/ Alkalinity - Total, Bicarbonate & Carbon	300.0_28D/ Bromide, Chloride, Fluoride & Sulfate	365.1/365_Prep Phosphorus, Total	SM4500_S2_F/ Sulfide, Total	335.4/Distill_CN Cyanide, Total	5310C/ (MOD) TOC	SM5310_DOC_C/FIELD_FLTRD Organic Carbon, Dissolved (DOC) - tripli	SM2340B/3005A Total Hardness	300_48HR/ Nitrate, Nitrite, Nitrate + Nitrite	2540C/ TDS	2540D/ TSS	SM2520_B/ Salinity	Total Number of containers	Special Instructions/Note:
			Preservation Code:																		
MW-37_20250501 (500-267711-21)	5/1/25	10 30 Eastern	G	Water			X	X	X	X	X	X	X	X	X	X	X	X	X	2	Client requires only one H flag needed remove H flag leave H3 flag if present

Note Since laboratory accreditations are subject to change Eurofins Environment Testing Northwest, LLC places the ownership of method analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed the samples must be shipped back to the Eurofins Environment Testing Northwest, LLC laboratory or other instructions will be provided Any changes to accreditation status should be brought to Eurofins Environment Testing Northwest, LLC attention immediately If all requested accreditations are current to date return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Northwest, LLC

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested I, II, III, IV, Other (specify) Primary Deliverable Rank 2	Special Instructions/QC Requirements

Empty Kit Relinquished by:	Date	Time	Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
	5/19/25 12:18	EETN	Stephanie Hemandez	5/20/25 0920	EETA
Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Relinquished by	Date/Time	Company	Received by	Date/Time	Company

Custody Seals Intact. ∆ Yes ∆ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks: 0.3+0.9

Eurofins Specialty Metals Testing
5755 8th Street East
Tacoma, WA 98424
Phone 253-922-2310

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Fredrick, Sandie	Carrier Tracking No(s): N/A	COC No.: 350-7086 2
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Sandra Fredrick@et eurofinsus com	State of Origin: Michigan	Page: Page 2 of 2
Company: Eurofins Environment Testing North Centr		Accreditations Required (See note): N/A		Job #: 500-267711-1
Address: 18410 Crossing Drive, Suite E,	Due Date Requested: 5/23/2025			Preservation Codes
City: Tinley Park	TAT Requested (days): N/A			
State Zip: IL, 60487				
Phone: 708-534-5200(Tel) 708-534-5211(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: White Pines, MI	Project #: 50023455			
Site: N/A	SSOW#: N/A			Other: N/A

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6020B/3005A Metals (ICP/MS) - 27 elements	6020B/FIELD_FLTRD Dissolved Metals (ICP/MS) - 27 elements	6020B/3005A Dissolved Metals (ICP/MS) - 27 elements	Total Number of containers	Special Instructions/Note:
			Preservation Code								
MW-37_20250501 (500-267711-21)	5/1/25	10 30 Eastern	G	Water			X	X	X	2	Client requires only one H flag needed remove H flag leave H3 flag if present

Note Since laboratory accreditations are subject to change Eurofins Environment Testing Northwest, LLC places the ownership of method analyte & accreditation compliance upon our subcontract laboratories This sample shipment is forwarded under chain-of-custody If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed the samples must be shipped back to the Eurofins Environment Testing Northwest, LLC laboratory or other instructions will be provided Any changes to accreditation status should be brought to Eurofins Environment Testing Northwest, LLC attention immediately If all requested accreditations are current to date return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Northwest, LLC

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested I, II, III, IV, Other (specify) Primary Deliverable Rank 2	Special Instructions/QC Requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment:

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1	[signature]	5/19/25 12:58	EEIN	Stephanie Hernandez	5/20/25 0920	EETA
2	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
3	Relinquished by	Date/Time	Company	Received by	Date/Time	Company

Custody Seals Intact	Custody Seal No	Cooler Temperature(s) °C and Other Remarks
Δ Yes Δ No		


JED CARESTENSEN
THE MANNIK & SMITH GROUP
616 SHELDEN AVE
SUITE 210
HOUGHTON, MI 49931
UNITED STATES US
CAD: 0780307/CAFE3855
Part # 159469-434 MTW EXP 11/25
TO SAMPLE RECEIPT
EUROFINS
18410 CROSSING DRIVE
SUITE E
TINLEY PARK IL 60487
(708) 534-5200
INV:
PO:
REF:
DEPT:
RMA:
FedEx Express
J243024070401 uv
TRK#
0221 4523 1805 7980
FRI - 02 MAY AA
PRIORITY OVERNIGHT
79 JOTA
60487
IL-US
ORD


JED CARESTENSEN
THE MANNIK & SMITH GROUP
616 SHELDEN AVE
SUITE 210
HOUGHTON, MI 49931
UNITED STATES US
CAD: 0780307/CAFE3855
art # 159469-434 MTW EXP 11 25
500-267711 Waybi
TO SAMPLE RECEIPT
EUROFINS
18410 CROSSING DRIVE
SUITE E
TINLEY PARK IL 60487
(708) 534-5200
INV:
PO:
REF:
DEPT:
RMA:
FedEx Express
J243024070401 uv
TRK#
0221 4523 1805 8004
FRI - 02 MAY AA
PRIORITY OVERNIGHT
JOTA
60487
IL-US
ORD
01May2025 CMXA 581G2/4ACC/5FE5

Eurofins Chicago
18410 Crossing Drive Suite E
Tinley Park, IL 60487
Phone 708-534-5200 Fax: 708-534-5211

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Fredrick, Sandie	Carrier Tracking No(s): N/A	COC No: 500-200232 1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Sandra Fredrick@et.eurofinsus com	State of Origin: Michigan	Page: Page 1 of 4
Company: Eurofins Environment Testing Northwest L		Accreditations Required (See note): N/A		Job #: 500-267711-1
Address: 5755 8th Street East, ,	Due Date Requested: 5/22/2025			Preservation Codes:
City: Tacoma	TAT Requested (days): N/A			
State, Zip: WA, 98424				
Phone: 253-922-2310(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: White Pines, MI	Project #: 50023455			
Site: N/A	SSOW#: N/A			Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	1638/1638_Prep_W Uranium only (ICP/MS)	1631E/ Mercury, Low Level (CVAFS)	1630_ME/1630_Dist_PFP Methyl Mercury	1638/FIELD_FLTRD Dissolved Uranium only (ICP/MS) (field f	1631E/FIELD_FLTRD Dissolved Mercury, Low Level (CVAFS) (fi	1630_ME/FIELD_FLTRD Dissolved Methyl Mercury (field filtered	Total Number of containers	Special Instructions/Note:
			Preservation Code:											
MW-35_20250430 (500-267711-1)	5/1/25	17 00 Eastern	G	Water			X	X	X	X	X	X	8	
MW-35_20250430_FBLL (500-267711-2)	4/30/25	17 00 Eastern	G	Water				X					2	
MW-36_20250430 (500-267711-3)	4/30/25	16 00 Eastern	G	Water			X	X	X	X	X	X	8	
MW-36_20250430_FBLL (500-267711-4)	4/30/25	16 00 Eastern	G	Water				X					2	
LKS-01_20250430 (500-267711-5)	4/30/25	10 30 Eastern	G	Water			X	X	X	X	X	X	8	
LKS-01_20250430_FBLL (500-267711-6)	4/30/25	10:30 Eastern	G	Water				X					2	
SMW-15B_20250430 (500-267711-7)	4/30/25	10:45 Eastern	G	Water			X	X	X	X	X	X	8	
SMW-15B_20250430_FBLL (500-267711-8)	4/30/25	10 45 Eastern	G	Water				X					2	
NB2-1_20250430 (500-267711-9)	4/30/25	13 00 Eastern	G	Water			X	X	X	X	X	X	8	

Note Since laboratory accreditations are subject to change Eurofins Chicago places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Chicago laboratory or other instructions will be provided Any changes to accreditation status should be brought to Eurofins Chicago attention immediately If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Chicago.

Possible Hazard Identification: Unconfirmed	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month): ☐ Return To Client ☐ Disposal By Lab ☐ Archive For ____ Months
Deliverable Requested I, II, III, IV, Other (specify) Primary Deliverable Rank 2	Special Instructions/QC Requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment:

	Relinquished by: Stephanie Hernandez	Date/Time: 5/2/25 1600	Company: EEIA	Received by: Jesse Sigh	Date/Time: 5/3/25 9:35	Company: EETN
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks.

Ver: 10/10/2024

Eurofins Chicago
18410 Crossing Drive Suite E
Tinley Park, IL 60487
Phone 708-534-5200 Fax 708-534-5211

Chain of Custody Record

eurofins | Environment Testing

6/17/2025

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Fredrick, Sandie	Carrier Tracking No(s): N/A	COC No: 500-200232 2
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Sandra Fredrick@et.eurofinsus com	State of Origin: Michigan	Page: Page 2 of 4
Company: Eurofins Environment Testing Northwest L		Accreditations Required (See note): N/A		Job #: 500-267711-1
Address: 5755 8th Street East, ,	Due Date Requested: 5/22/2025			Preservation Codes:
City: Tacoma	TAT Requested (days): N/A			
State, Zip: WA, 98424				
Phone: 253-922-2310(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: White Pines, MI	Project #: 50023455			
Site: N/A	SSOW#: N/A			Other: N/A

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	1638/1638_Prep_W Uranium only (ICP/MS)	1631E/ Mercury, Low Level (CVAFS)	1630_ME/1630_Dist_PFP Methyl Mercury	1638/FIELD_FLTRD Dissolved Uranium only (ICP/MS) (field f	1631E/FIELD_FLTRD Dissolved Mercury, Low Level (CVAFS) (fi	1630_ME/FIELD_FLTRD Dissolved Methyl Mercury (field filtered	Total Number of containers	Special Instructions/Note:
			Preservation Code:											
NB2-1_20250430_FBLL (500-267711-10)	4/30/25	13 00 Eastern	G	Water				X					2	
NB2-3_20250430 (500-267711-11)	4/30/25	14 00 Eastern	G	Water			X	X	X	X	X	X	8	
NB2-3_20250430_FBLL (500-267711-12)	4/30/25	14 00 Eastern	G	Water				X					2	
NTC-01_20250430 (500-267711-13)	4/30/25	11 30 Eastern	G	Water			X	X	X	X	X	X	8	
NTC-01_20250430_FBLL (500-267711-14)	4/30/25	11 30 Eastern	G	Water				X					2	
DUP-01-SW_20250430 (500-267711-15)	4/30/25	23 59 Eastern	G	Water			X	X	X	X	X	X	8	
DUP-01-SW_20250430_FBLL (500-267711-16)	4/30/25	23 59 Eastern	G	Water				X					2	
PRC-02_20250430 (500-267711-17)	4/30/25	14 00 Eastern	G	Water			X	X	X	X	X	X	8	
PRC-02_20250430_FBLL (500-267711-18)	4/30/25	14 00 Eastern	G	Water				X					2	

Note: Since laboratory accreditations are subject to change Eurofins Chicago places the ownership of method analyte & accreditation compliance upon our subcontract laboratories This sample shipment is forwarded under chain-of-custody If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Chicago laboratory or other instructions will be provided Any changes to accreditation status should be brought to Eurofins Chicago attention immediately If all requested accreditations are current to date return the signed Chain of Custody attesting to said compliance to Eurofins Chicago.

Possible Hazard Identification *Unconfirmed*	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*** ☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested. I, II, III, IV, Other (specify) Primary Deliverable Rank 2	Special Instructions/QC Requirements.
Empty Kit Relinquished by	Date / Time / Method of Shipment:

Relinquished by: Stephanie Hernandez	Date/Time: 5/2/25 1600	Company: EETA	Received by: Jesse Sipl	Date/Time: 5/3/25 9:35	Company: EETN
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks.

Eurofins Chicago
18410 Crossing Drive Suite E
Tinley Park, IL 60487
Phone. 708-534-5200 Fax: 708-534-5211

Chain of Custody Record

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Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Fredrick, Sandie	Carrier Tracking No(s): N/A	COC No: 500-200232 3
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Sandra Fredrick@et eurofinsus com	State of Origin: Michigan	Page: Page 3 of 4
Company: Eurofins Environment Testing Northwest L		Accreditations Required (See note): N/A		Job #: 500-267711-1
Address: 5755 8th Street East, ,	Due Date Requested: 5/22/2025			Preservation Codes: -
City: Tacoma	TAT Requested (days): N/A			
State, Zip: WA, 98424				
Phone: 253-922-2310(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: White Pines, MI	Project #: 50023455			
Site: N/A	SSOW#: N/A			Other: N/A

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	1638/1638_Prep_W Uranium only (ICP/MS)	1631E/ Mercury, Low Level (CVAFS)	1630_ME/1630_Dist_PFP Methyl Mercury	1638/FIELD_FLTRD Dissolved Uranium only (ICP/MS) (field f	1631E/FIELD_FLTRD Dissolved Mercury, Low Level (CVAFS) (fi	1630_ME/FIELD_FLTRD Dissolved Methyl Mercury (field filtered	Total Number of containers	Special Instructions/Note:
			Preservation Code:											
MLR-03_20250430 (500-267711-19)	4/30/25	15.00 Eastern	G	Water			X	X	X	X	X	X	8	
MLR-03_20250430_FBLL (500-267711-20)	4/30/25	15 00 Eastern	G	Water				X					2	
MW-37_20250501 (500-267711-21)	5/1/25	10:30 Eastern	G	Water			X	X	X	X	X	X	8	
MW-37_20250501_FBLL (500-267711-22)	5/1/25	10 30 Eastern	G	Water				X					2	
MW-41_20250501 (500-267711-23)	5/1/25	08 45 Eastern	G	Water			X	X	X	X	X	X	8	
MW-41_20250501_FBLL (500-267711-24)	5/1/25	08 45 Eastern	G	Water				X					2	
TBN-01_20250501 (500-267711-25)	5/1/25	11 45 Eastern	G	Water			X	X	X	X	X	X	8	
TBN-01_20250501_FBLL (500-267711-26)	5/1/25	11 45 Eastern	G	Water				X					2	
TBS-01_20250501 (500-267711-27)	5/1/25	11 15 Eastern	G	Water			X	X	X	X	X	X	8	

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Possible Hazard Identification *Unconfirmed*	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*** ☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested I, II, III, IV, Other (specify) Primary Deliverable Rank. 2	Special Instructions/QC Requirements

Empty Kit Relinquished by:		Date		Time		Method of Shipment:	
Relinquished by: Stephanie Hernandez	Date/Time: 5/2/25 1600	Company EETA	Received by: Jesse Silva	Date/Time: 5/3/25 9:35	Company EETN		
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company		
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company		

Custody Seals Intact Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks.

6/17/2025

Eurofins Chicago
18410 Crossing Drive Suite E
Tinley Park, IL 60487
Phone. 708-534-5200 Fax· 708-534-5211

Chain of Custody Record

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6/17/2025

Client Information (Sub Contract Lab)	Sampler· N/A	Lab PM. Fredrick, Sandie	Carrier Tracking No(s): N/A	COC No: 500-200232 4
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail Sandra Fredrick@et.eurofinsus com	State of Origin: Michigan	Page: Page 4 of 4
Company· Eurofins Environment Testing Northwest L		Accreditations Required (See note): N/A		Job #: 500-267711-1
Address 5755 8th Street East, ,	Due Date Requested 5/22/2025			Preservation Codes· -
City· Tacoma	TAT Requested (days) N/A			
State, Zip: WA, 98424				
Phone: 253-922-2310(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name· White Pines, MI	Project #: 50023455			
Site: N/A	SSOW#: N/A			Other· N/A

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	1638/1638_Prep_W Uranium only (ICP/MS)	1631E/ Mercury, Low Level (CVAFS)	1630_ME/1630_Dist_PFP Methyl Mercury	1638/FIELD_FLTRD Dissolved Uranium only (ICP/MS) (field f	1631E/FIELD_FLTRD Dissolved Mercury, Low Level (CVAFS) (fi	1630_ME/FIELD_FLTRD Dissolved Methyl Mercury (field filtered	Total Number of containers	Special Instructions/Note:
			Preservation Code:											
TBS-01_20250501_FBLL (500-267711-28)	5/1/25	11 15 Eastern	G	Water				X					2	
LKS-02_20250501 (500-267711-29)	5/1/25	08 00 Eastern	G	Water			X	X	X	X	X	X	8	
LKS-02_20250501_FBLL (500-267711-30)	5/1/25	08 00 Eastern	G	Water				X					2	
PNC-04_20250501 (500-267711-31)	5/1/25	10 30 Eastern	G	Water			X	X	X	X	X	X	8	
PNC-04_20250501_FBLL (500-267711-32)	5/1/25	10 30 Eastern	G	Water				X					2	

Note· Since laboratory accreditations are subject to change, Eurofins Chicago places the ownership of method analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed the samples must be shipped back to the Eurofins Chicago laboratory or other instructions will be provided Any changes to accreditation status should be brought to Eurofins Chicago attention immediately If all requested accreditations are current to date return the signed Chain of Custody attesting to said compliance to Eurofins Chicago.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested I, II, III, IV, Other (specify) Primary Deliverable Rank 2	Special Instructions/QC Requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment:

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1	Stephanie Hernandez	5/2/25 1600	EEIA	Jesse Sayl	5/3/25 9:35	EETN
2	Relinquished by·	Date/Time:	Company	Received by·	Date/Time	Company
3	Relinquished by·	Date/Time:	Company	Received by·	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks.

Ver· 10/10/2024

Cooler #1

IR15

Therm. ID: ~~SC0~~ **Cust. Seal:** (Y) / N
Uncorr./Corr. Temp 1.6 / 1.6 °C
Delivery: UPS / (FedEx) / Other _____
Ice Type: Blue / Dry / (Wet) / None
Label Ver. 5/5/25 JS **Packing:** Bubble

Cooler #2

IR15

Therm. ID: ~~SC0~~ **Cust. Seal:** (Y) / N
Uncorr./Corr. Temp 2.3 / 2.3 °C
Delivery: UPS / (FedEx) / Other _____
Ice Type: Blue / Dry / (Wet) / None
Label Ver. 5/5/25 JS **Packing:** Bubble

Cooler #3

IR15

Therm. ID: ~~SC0~~ **Cust. Seal:** (Y) / N
Uncorr./Corr. Temp 1.3 / 1.3 °C
Delivery: UPS / (FedEx) / Other _____
Ice Type: Blue / Dry / (Wet) / None
Label Ver. JS 5/5/25 **Packing:** Bubble

Cooler #4

IR15

Therm. ID: ~~SC0~~ **Cust. Seal:** (Y) / N
Uncorr./Corr. Temp 15.7 / 15.7 °C
Delivery: UPS / (FedEx) / Other _____
Ice Type: Blue / Dry / Wet / (None)
Label Ver. JS 5/5/25 **Packing:** Bubble

40mL VoA vials
1631

▷ FedEx Priority Overnight
▷ Master Tracking #: 4468 9405 7177

received 5/3/25 C935

Login Sample Receipt Checklist

Client: White Pine Copper LLC

Job Number: 500-267711-1

Login Number: 267711
List Number: 1
Creator: Hernandez, Stephanie

List Source: Eurofins Chicago

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.2,2.0,3.7,4.1,4.4,5.0,2.4,3.2
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: White Pine Copper LLC

Job Number: 500-267711-1

Login Number: 267711
List Number: 2
Creator: Singh, Jaskaran

List Source: Eurofins Seattle Specialty Metals
List Creation: 05/05/25 08:27 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	False	Refer to Job Narrative for details.
Cooler Temperature is acceptable.	False	Refer to Job Narrative for details.
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	

eurofins | Environment Testing

Date:	5/5/2025
End Time:	17:51
pH Paper Lot:	HC441704
Analyst:	JS
Pipette:	N/A

Preservative ID	Preservative Type	Container ID
A	Hydrochloric Acid	65722
zzzzzzzzzzzzzzz	zzzzzzzzzzzzzzzzzzzzzzz	zzzzzzzzzz
zzzzzzzzzzzzzzz	zzzzzzzzzzzzzzzzzzzzzzz	zzzzzzzzzz
zzzzzzzzzzzzzzz	zzzzzzzzzzzzzzzzzzzzzzz	zzzzzzzzzz

Sample ID	Initial pH	Final pH	Preservative ID	Preservative Added (mL)	Comments
500-267711-E-1	<2				
500-267711-F-1	<2				
500-267711-E-3	<2				
500-267711-F-3	<2				
500-267711-E-5	<2				
500-267711-F-5	<2				
500-267711-E-7	<2				
500-267711-F-7	<2				
500-267711-E-9	<2				
500-267711-F-9	<2				
500-267711-E-11	<2				
500-267711-F-11	<2				
500-267711-E-13	<2				
500-267711-F-13	<2				
500-267711-E-15	<2				
500-267711-F-15	<2				
500-267711-E-17	<2				
500-267711-F-17	<2				
500-267711-E-19	<2				
500-267711-F-19	<2				
500-267711-E-21	<2				
500-267711-F-21	<2				
500-267711-E-23	<2				
500-267711-F-23	<2				
500-267711-E-25	<2				
500-267711-F-25	<2				
500-267711-E-27	<2				
500-267711-F-27	<2				
500-267711-F-29	<2				
500-267711-F-29	<2				
500-267711-E-31	<2				
500-267711-F-31	<2				

JS 5/5/25

eurofins | Environment Testing

Date:	5/5/2025
End Time:	17:24
KI Paper Lot:	N/A
Analyst:	JS
Pipette:	~~NHA~~ MP-HG04

JS 5/5/25

Preservative ID	Preservative Type	Container ID
A	Bromine Monochloride (0.2N)	68976
ZZZZZZZZZZZZZZZ	ZZZZZZZZZZZZZZZZZZZZZZZ	ZZZZZZZZZZ
ZZZZZZZZZZZZZZZ	ZZZZZZZZZZZZZZZZZZZZZZZ	ZZZZZZZZZZ
ZZZZZZZZZZZZZZZ	ZZZZZZZZZZZZZZZZZZZZZZZ	ZZZZZZZZZZ

Sample ID	Pres. Used (ID)	Oxidized (Y/N)?	Pres. Vol. (mL)/Percent (%)	Comments
500-267711-A-1	A	Y	0.8 / 5	
500-267711-B-1	A	Y	0.8 / 5	
500-267711-C-1	A	Y	0.8 / 5	
500-267711-D-1	A	Y	0.8 / 5	
500-267711-A-2	A	Y	0.8 / 5	
500-267711-B-2	A	Y	0.8 / 5	
500-267711-A-3	A	Y	0.8 / 5	
500-267711-B-3	A	Y	0.8 / 5	
500-267711-C-3	A	Y	0.8 / 5	
500-267711-D-3	A	Y	0.8 / 5	
500-267711-A-4	A	Y	0.8 / 5	
500-267711-B-4	A	Y	0.8 / 5	
500-267711-A-5	A	Y	0.8 / 5	
500-267711-B-5	A	Y	0.8 / 5	
500-267711-C-5	A	Y	0.8 / 5	
500-267711-D-5	A	Y	0.8 / 5	
500-267711-A-6	A	Y	0.8 / 5	
500-267711-B-6	A	Y	0.8 / 5	
500-267711-A-7	A	Y	0.8 / 5	
500-267711-B-7	A	Y	0.8 / 5	
500-267711-C-7	A	Y	0.8 / 5	
500-267711-D-7	A	Y	0.8 / 5	
500-267711-A-8	A	Y	0.8 / 5	
500-267711-B-8	A	Y	0.8 / 5	
500-267711-A-9	A	Y	0.8 / 5	
500-267711-B-9	A	Y	0.8 / 5	
500-267711-C-9	A	Y	0.8 / 5	
500-267711-D-9	A	Y	0.8 / 5	
500-267711-A-10	A	Y	0.8 / 5	
500-267711-B-10	A	Y	0.8 / 5	
500-267711-A-11	A	Y	0.8 / 5	
500-267711-B-11	A	Y	0.8 / 5	
500-267711-C-11	A	Y	0.8 / 5	
500-267711-D-11	A	Y	0.8 / 5	
500-267711-A-12	A	Y	0.8 / 5	

JS 5/5/25

eurofins | Environment Testing

Date:	5/5/2025
End Time:	17:04
KI Paper Lot:	N/A
Analyst:	JS
Pipette:	MP-HG04

Preservative ID	Preservative Type	Container ID
A	Bromine Monochloride (0.2N)	68976
zzzzzzzzzzzzzzz	zzzzzzzzzzzzzzzzzzzzzz	zzzzzzzzzz
zzzzzzzzzzzzzzz	zzzzzzzzzzzzzzzzzzzzzz	zzzzzzzzzz
zzzzzzzzzzzzzzz	zzzzzzzzzzzzzzzzzzzzzz	zzzzzzzzzz

Sample ID	Pres. Used (ID)	Oxidized (Y/N)?	Pres. Vol. (mL)/Percent (%)	Comments
500-267711-D-11	A	Y	0.8 / 5	
500-267711-A-12	A	Y	0.8 / 5	
500-267711-B-12	A	Y	0.8 / 5	
500-267711-A-13	A	Y	0.8 / 5	
500-267711-B-13	A	Y	0.8 / 5	
500-267711-C-13	A	Y	0.8 / 5	
500-267711-D-13	A	Y	0.8 / 5	
500-267711-A-14	A	Y	0.8 / 5	
500-267711-B-14	A	Y	0.8 / 5	
500-267711-A-15	A	Y	0.8 / 5	
500-267711-B-15	A	Y	0.8 / 5	
500-267711-C-15	A	Y	0.8 / 5	
500-267711-D-15	A	Y	0.8 / 5	
500-267711-A-16	A	Y	0.8 / 5	
500-267711-B-16	A	Y	0.8 / 5	
500-267711-A-17	A	Y	0.8 / 5	
500-267711-B-17	A	Y	0.8 / 5	
500-267711-C-17	A	Y	0.8 / 5	
500-267711-D-17	A	Y	0.8 / 5	
500-267711-A-18	A	Y	0.8 / 5	
500-267711-B-18	A	Y	0.8 / 5	
500-267711-A-19	A	Y	0.8 / 5	
500-267711-B-19	A	Y	0.8 / 5	
500-267711-C-19	A	Y	0.8 / 5	
500-267711-D-19	A	Y	0.8 / 5	
500-267711-A-20	A	Y	0.8 / 5	
500-267711-B-20	A	Y	0.8 / 5	
500-267711-A-21	A	Y	0.8 / 5	
500-267711-B-21	A	Y	0.8 / 5	
500-267711-C-21	A	Y	0.8 / 5	
500-267711-D-21	A	Y	0.8 / 5	
500-267711-A-22	A	Y	0.8 / 5	
500-267711-B-22	A	Y	0.8 / 5	
500-267711-A-23	A	Y	0.8 / 5	
500-267711-B-23	A	Y	0.8 / 5	

5/5/25 JS

eurofins | Environment Testing

Date:	5/5/2025
End Time:	17:04
KI Paper Lot:	N/A
Analyst:	JS
Pipette:	MP_HG04

Preservative ID	Preservative Type	Container ID
A	Bromine Monochloride (0.2N)	68976
zzzzzzzzzzzzzzz	zzzzzzzzzzzzzzzzzzzzzzz	zzzzzzzzzz
zzzzzzzzzzzzzzz	zzzzzzzzzzzzzzzzzzzzzzz	zzzzzzzzzz
zzzzzzzzzzzzzzz	zzzzzzzzzzzzzzzzzzzzzzz	zzzzzzzzzz

Sample ID	Pres. Used (ID)	Oxidized (Y/N)?	Pres. Vol. (mL)/Percent (%)	Comments
500-267711-A-23	A	Y	0.8 | 5	
500-267711-B-23	A	Y	0.8 | 5	
500-267711-C-23	A	Y	0.8 | 5	
500-267711-D-23	A	Y	0.8 | 5	
500-267711-A-24	A	Y	0.8 | 5	
500-267711-B-24	A	Y	0.8 | 5	
500-267711-A-25	A	Y	0.8 | 5	
500-267711-B-25	A	Y	0.8 | 5	
500-267711-C-25	A	Y	0.8 | 5	
500-267711-D-25	A	Y	0.8 | 5	
500-267711-A-26	A	Y	0.8 | 5	
500-267711-B-26	A	Y	0.8 | 5	
500-267711-A-27	A	Y	0.8 | 5	
500-267711-B-27	A	Y	0.8 | 5	
500-267711-C-27	A	Y	0.8 | 5	
500-267711-D-27	A	Y	0.8 | 5	
500-267711-A-28	A	Y	0.8 | 5	
500-267711-B-28	A	Y	0.8 | 5	
500-267711-A-29	A	Y	0.8 | 5	
500-267711-B-29	A	Y	0.8 | 5	
500-267711-C-29	A	Y	0.8 | 5	
500-267711-D-29	A	Y	0.8 | 5	
500-267711-A-30	A	Y	0.8 | 5	
500-267711-B-30	A	Y	0.8 | 5	
500-267711-A-31	A	Y	0.8 | 5	
500-267711-B-31	A	Y	0.8 | 5	
500-267711-C-31	A	Y	0.8 | 5	
500-267711-D-31	A	Y	0.8 | 5	
500-267711-A-32	A	Y	0.8 | 5	
500-267711-B-32	A	Y	0.8 | 5	

5/5/25 JS

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Date:	5/5/2025
End Time:	17:51
pH Paper Lot:	HC441704
Analyst:	JS
Pipette:	NIA

Preservative ID	Preservative Type	Container ID
A	Nitric Acid	NIA
ZZZZZZZZZZZZZZZ	ZZZZZZZZZZZZZZZZZZZZZZZ	ZZZZZZZZZZ
ZZZZZZZZZZZZZZZ	ZZZZZZZZZZZZZZZZZZZZZZZ	ZZZZZZZZZZ
ZZZZZZZZZZZZZZZ	ZZZZZZZZZZZZZZZZZZZZZZZ	ZZZZZZZZZZ

Sample ID	Initial pH	Final pH	Preservative ID	Preservative Added (mL)	Comments
500-267711-M-1	<2				
500-267711-N-1	<2				
500-267711-M-3	<2				
500-267711-N-3	<2				
500-267711-M-5	<2				
500-267711-N-5	<2				
500-267711-M-7	<2				
500-267711-N-7	<2				
500-267711-M-9	<2				
500-267711-N-9	<2				
500-267711-M-11	<2				
500-267711-N-11	<2				
500-267711-M-13	<2				
500-267711-N-13	<2				
500-267711-M-15	<2				
500-267711-N-15	<2				
500-267711-M-17	<2				
500-267711-N-17	<2				
500-267711-M-19	<2				
500-267711-N-19	<2				
500-267711-M-21	<2				
500-267711-N-21	<2				
500-267711-O-21	<2				
500-267711-P-21	<2				
500-267711-M-23	<2				
500-267711-N-23	<2				
500-267711-M-25	<2				
500-267711-N-25	<2				
500-267711-M-27	<2				
500-267711-N-27	<2				
500-267711-M-29	<2				
500-267711-N-29	<2				
500-267711-M-31	<2				
500-267711-N-31	<2				

JS 5/5/25

eurofins | Environment Testing

Date:	5/5/2025
End Time:	17:51
pH Paper Lot:	HC441704
Analyst:	JS
Pipette:	N/A

Preservative ID	Preservative Type	Container ID
A	Nitric Acid	N/A
ZZZZZZZZZZZZZZZ	ZZZZZZZZZZZZZZZZZZZZZZZ	ZZZZZZZZZZ
ZZZZZZZZZZZZZZZ	ZZZZZZZZZZZZZZZZZZZZZZZ	ZZZZZZZZZZ
ZZZZZZZZZZZZZZZ	ZZZZZZZZZZZZZZZZZZZZZZZ	ZZZZZZZZZZ

Sample ID	Initial pH	Final pH	Preservative ID	Preservative Added (mL)	Comments
500-267711-N-31	<2				

JS 5/5/25

eurofins | Environment Testing

Date:	5/5/2025
End Time:	17:04
KI Paper Lot:	N/A
Analyst:	JS
Pipette:	~~HA~~ MP-HG04

JS 5/5/25

Preservative ID	Preservative Type	Container ID
A	Bromine Monochloride (0.2N)	68976
zzzzzzzzzzzzzzzz	zzzzzzzzzzzzzzzzzzzzzzz	zzzzzzzzzz
zzzzzzzzzzzzzzzz	zzzzzzzzzzzzzzzzzzzzzzz	zzzzzzzzzz
zzzzzzzzzzzzzzzz	zzzzzzzzzzzzzzzzzzzzzzz	zzzzzzzzzz

Sample ID	Pres. Used (ID)	Oxidized (Y/N)?	Pres. Vol. (mL)/Percent (%)	Comments
500-267711-A-1	A	Y	0.8 / 5	
500-267711-B-1	A	Y	0.8 / 5	
500-267711-C-1	A	Y	0.8 / 5	
500-267711-D-1	A	Y	0.8 / 5	
500-267711-A-2	A	Y	0.8 / 5	
500-267711-B-2	A	Y	0.8 / 5	
500-267711-A-3	A	Y	0.8 / 5	
500-267711-B-3	A	Y	0.8 / 5	
500-267711-C-3	A	Y	0.8 / 5	
500-267711-D-3	A	Y	0.8 / 5	
500-267711-A-4	A	Y	0.8 / 5	
500-267711-B-4	A	Y	0.8 / 5	
500-267711-A-5	A	Y	0.8 / 5	
500-267711-B-5	A	Y	0.8 / 5	
500-267711-C-5	A	Y	0.8 / 5	
500-267711-D-5	A	Y	0.8 / 5	
500-267711-A-6	A	Y	0.8 / 5	
500-267711-B-6	A	Y	0.8 / 5	
500-267711-A-7	A	Y	0.8 / 5	
500-267711-B-7	A	Y	0.8 / 5	
500-267711-C-7	A	Y	0.8 / 5	
500-267711-D-7	A	Y	0.8 / 5	
500-267711-A-8	A	Y	0.8 / 5	
500-267711-B-8	A	Y	0.8 / 5	
500-267711-A-9	A	Y	0.8 / 5	
500-267711-B-9	A	Y	0.8 / 5	
500-267711-C-9	A	Y	0.8 / 5	
500-267711-D-9	A	Y	0.8 / 5	
500-267711-A-10	A	Y	0.8 / 5	
500-267711-B-10	A	Y	0.8 / 5	
500-267711-A-11	A	Y	0.8 / 5	
500-267711-B-11	A	Y	0.8 / 5	
500-267711-C-11	A	Y	0.8 / 5	
500-267711-D-11	A	Y	0.8 / 5	
500-267711-A-12	A	Y	0.8 / 5	

JS 5/5/25

JS 5/6/25 ⇒ all samples are preserved to 2%. Not 5%. 0.2N BrCl. ↑

eurofins | Environment Testing

Date:	5/5/2025
End Time:	17:04
KI Paper Lot:	N/A
Analyst:	JS
Pipette:	MP-HG04

Preservative ID	Preservative Type	Container ID
A	Bromine Monochloride (0.2N)	68976
zzzzzzzzzzzzzzz	zzzzzzzzzzzzzzzzzzzzzzz	zzzzzzzzzz
zzzzzzzzzzzzzzz	zzzzzzzzzzzzzzzzzzzzzzz	zzzzzzzzzz
zzzzzzzzzzzzzzz	zzzzzzzzzzzzzzzzzzzzzzz	zzzzzzzzzz

Sample ID	Pres. Used (ID)	Oxidized (Y/N)?	Pres. Vol. (mL)/Percent (%)	Comments
500-267711-D-11	A	Y	0.8 / 5	
500-267711-A-12	A	Y	0.8 / 5	
500-267711-B-12	A	Y	0.8 / 5	
500-267711-A-13	A	Y	0.8 / 5	
500-267711-B-13	A	Y	0.8 / 5	
500-267711-C-13	A	Y	0.8 / 5	
500-267711-D-13	A	Y	0.8 / 5	
500-267711-A-14	A	Y	0.8 / 5	
500-267711-B-14	A	Y	0.8 / 5	
500-267711-A-15	A	Y	0.8 / 5	
500-267711-B-15	A	Y	0.8 / 5	
500-267711-C-15	A	Y	0.8 / 5	
500-267711-D-15	A	Y	0.8 / 5	
500-267711-A-16	A	Y	0.8 / 5	
500-267711-B-16	A	Y	0.8 / 5	
500-267711-A-17	A	Y	0.8 / 5	
500-267711-B-17	A	Y	0.8 / 5	
500-267711-C-17	A	Y	0.8 / 5	
500-267711-D-17	A	Y	0.8 / 5	
500-267711-A-18	A	Y	0.8 / 5	
500-267711-B-18	A	Y	0.8 / 5	
500-267711-A-19	A	Y	0.8 / 5	
500-267711-B-19	A	Y	0.8 / 5	
500-267711-C-19	A	Y	0.8 / 5	
500-267711-D-19	A	Y	0.8 / 5	
500-267711-A-20	A	Y	0.8 / 5	
500-267711-B-20	A	Y	0.8 / 5	
500-267711-A-21	A	Y	0.8 / 5	
500-267711-B-21	A	Y	0.8 / 5	
500-267711-C-21	A	Y	0.8 / 5	
500-267711-D-21	A	Y	0.8 / 5	
500-267711-A-22	A	Y	0.8 / 5	
500-267711-B-22	A	Y	0.8 / 5	
500-267711-A-23	A	Y	0.8 / 5	
500-267711-B-23	A	Y	0.8 / 5	

5/5/25 JS

JS 5/6/25 => all samples are preserved to 2% not 5% @ 2N BrCl

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Date:	5/5/2025
End Time:	17:04
KI Paper Lot:	N/A
Analyst:	JS
Pipette:	MP_HG04

Preservative ID	Preservative Type	Container ID
A	Bromine Monochloride (0.2N)	68976
zzzzzzzzzzzzzzzz	zzzzzzzzzzzzzzzzzzzzzzzz	zzzzzzzzzz
zzzzzzzzzzzzzzzz	zzzzzzzzzzzzzzzzzzzzzzzz	zzzzzzzzzz
zzzzzzzzzzzzzzzz	zzzzzzzzzzzzzzzzzzzzzzzz	zzzzzzzzzz

Sample ID	Pres. Used (ID)	Oxidized (Y/N)?	Pres. Vol. (mL)/Percent (%)	Comments
500-267711-A-23	A	Y	0.8 | 5	
500-267711-B-23	A	Y	0.8 | 5	
500-267711-C-23	A	Y	0.8 | 5	
500-267711-D-23	A	Y	0.8 | 5	
500-267711-A-24	A	Y	0.8 | 5	
500-267711-B-24	A	Y	0.8 | 5	
500-267711-A-25	A	Y	0.8 | 5	
500-267711-B-25	A	Y	0.8 | 5	
500-267711-C-25	A	Y	0.8 | 5	
500-267711-D-25	A	Y	0.8 | 5	
500-267711-A-26	A	Y	0.8 | 5	
500-267711-B-26	A	Y	0.8 | 5	
500-267711-A-27	A	Y	0.8 | 5	
500-267711-B-27	A	Y	0.8 | 5	
500-267711-C-27	A	Y	0.8 | 5	
500-267711-D-27	A	Y	0.8 | 5	
500-267711-A-28	A	Y	0.8 | 5	
500-267711-B-28	A	Y	0.8 | 5	
500-267711-A-29	A	Y	0.8 | 5	
500-267711-B-29	A	Y	0.8 | 5	
500-267711-C-29	A	Y	0.8 | 5	
500-267711-D-29	A	Y	0.8 | 5	
500-267711-A-30	A	Y	0.8 | 5	
500-267711-B-30	A	Y	0.8 | 5	
500-267711-A-31	A	Y	0.8 | 5	
500-267711-B-31	A	Y	0.8 | 5	
500-267711-C-31	A	Y	0.8 | 5	
500-267711-D-31	A	Y	0.8 | 5	
500-267711-A-32	A	Y	0.8 | 5	
500-267711-B-32	A	Y	0.8 | 5	

JS 5/6/25 => all samples were preserved to 2%. not 5%. 0.2N BrCl

5/5/25 JS

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Amanda Zeidler
White Pine Copper LLC
35362 Mall Circle Drive
White Pine, Michigan 49971

Generated 6/19/2025 7:50:34 PM

JOB DESCRIPTION

White Pines, MI

JOB NUMBER

500-268062-1

Eurofins Chicago
18410 Crossing Drive
Suite E
Tinley Park IL 60487

See page two for job notes and contact information.

my EOL

Job Notes

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. This report is confidential and is intended for the sole use of Eurofins Environment Testing North Central, LLC and its client. All questions regarding this report should be directed to the Eurofins Environment Testing North Central, LLC Project Manager who has signed this report.

Results relate only to the items tested and the sample(s) as received by the laboratory. The results, detection limits (LOD) and Quantitation Limits (LOQ) have been adjusted for sample dilutions and/or solids content.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Chicago Project Manager.

Compliance Statement

The LOD and LOQ reported are adjusted by the dilution factor when a dilution factor greater than 1 is needed. Additionally, where results are indicated as being reported on a dry weight basis, the LOD and LOQ are adjusted for moisture content as well.

Definitions of Limits
- LOD = Limit of Detection = MDL as defined by 40 CFR part 136 Appendix B
- LOQ = Limit of Quantitation = 3.33 x LOD as defined by Wisconsin
- RL = Report Limit = a concentration supported by a standard in the calibration curves

Authorization



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6/19/2025 7:50:34 PM

Authorized for release by
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Table of Contents

Cover Page 1
Table of Contents 3
Case Narrative 4
Detection Summary 5
Method Summary 19
Sample Summary 20
Client Sample Results 21
Definitions 65
QC Association 66
QC Sample Results 79
Chronicle 104
Certification Summary 116
Chain of Custody 117
Receipt Checklists 124
Field Data Sheets 126

Job Narrative
500-268062-1

Receipt
The samples were received on 5/9/2025 9:29 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 7 coolers at receipt time were 0.9º C, 1.4º C, 1.5º C, 2.4º C, 3.1º C, 4.0º C and 5.9º C.

Metals
Method 6020B: The method blank for preparation batch 500-817409 and analytical batch 500-817979 contained Boron above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

Method 6020B: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-10_20250507 (500-268062-11) and SMW-3SB_20250508 (500-268062-22). Elevated reporting limits (RLs) are provided.

Method 6020B: The method blank for preparation batch 500-817598 and analytical batch 500-818685 contained Antimony and Tin above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

Method 6020B: The initial low level calibration verification (ICVL) result for batch 500-818685 was above the upper control limit. The affected analytes are: Molybdenum. Sample results were non-detects, and have been reported as qualified data.

Method 1630: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 350-7450 and analytical batch 350-7479 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Field Service / Mobile Lab
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

General Chemistry
Method 300.0: Due to the high concentration of Chloride, the matrix spike / matrix spike duplicate (MS/MSD) for analytical batch 500-817092 could not be evaluated for accuracy and precision. The associated laboratory control sample (LCS) met acceptance criteria.

Method 300.0: The native sample, matrix spike, and matrix spike duplicate (MS/MSD) associated with analytical batch 500-817092 were performed at the same dilution. Due to the additional level of analyte present in the spiked samples, the concentration of Chloride in the MS/MSD was above the instrument calibration range. The data have been reported and qualified.

Method 300.0: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 500-817093 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 300.0: The following sample(s) was analyzed outside of analytical holding time due to system outages. MW-5A_20250507 (500-268062-1), MW-5A_20250507 (500-268062-1[MS]), MW-5A_20250507 (500-268062-1[MSD]), MW-5SB_20250507 (500-268062-3), PNC-03_20250507 (500-268062-13) and FB-01-GW_20250507 (500-268062-15)

Method 335.4: The matrix spike duplicate (MSD) recoveries for preparation batch 500-818297 and analytical batch 500-818382 were outside control limits. Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-268062-1

Client Sample ID: MW-5A_20250507

Lab Sample ID: 500-268062-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	0.66		0.50	0.20	ng/L	1		1631E	Total/NA
Mercury	0.27	J	0.50	0.20	ng/L	1		1631E	Dissolved
Uranium	8.9		0.050	0.0098	ug/L	1		1638	Total Recoverable
Uranium	9.2		0.050	0.0098	ug/L	1		1638	Dissolved
Arsenic	0.35	J	1.0	0.23	ug/L	1		6020B	Total Recoverable
Barium	550	F1	2.5	0.73	ug/L	1		6020B	Total Recoverable
Boron	170	B	50	13	ug/L	1		6020B	Total Recoverable
Calcium	170000		200	44	ug/L	1		6020B	Total Recoverable
Copper	1.6	J	2.0	0.50	ug/L	1		6020B	Total Recoverable
Iron	120		100	47	ug/L	1		6020B	Total Recoverable
Lithium	49		10	2.5	ug/L	1		6020B	Total Recoverable
Magnesium	13000		200	49	ug/L	1		6020B	Total Recoverable
Manganese	840		2.5	0.79	ug/L	1		6020B	Total Recoverable
Nickel	0.96	J	2.0	0.63	ug/L	1		6020B	Total Recoverable
Potassium	430	J	500	110	ug/L	1		6020B	Total Recoverable
Sodium	89000		200	77	ug/L	1		6020B	Total Recoverable
Strontium	3000		4.0	0.64	ug/L	1		6020B	Total Recoverable
Tin	1.3	J	5.0	1.3	ug/L	1		6020B	Total Recoverable
Arsenic	0.35	J	1.0	0.23	ug/L	1		6020B	Dissolved
Barium	560		2.5	0.73	ug/L	1		6020B	Dissolved
Boron	190	B	50	13	ug/L	1		6020B	Dissolved
Calcium	160000		200	44	ug/L	1		6020B	Dissolved
Copper	0.89	J	2.0	0.50	ug/L	1		6020B	Dissolved
Iron	73	J	100	47	ug/L	1		6020B	Dissolved
Lithium	47		10	2.5	ug/L	1		6020B	Dissolved
Magnesium	12000		200	49	ug/L	1		6020B	Dissolved
Manganese	690		2.5	0.79	ug/L	1		6020B	Dissolved
Nickel	1.2	J	2.0	0.63	ug/L	1		6020B	Dissolved
Potassium	430	J	500	110	ug/L	1		6020B	Dissolved
Sodium	91000		200	77	ug/L	1		6020B	Dissolved
Strontium	3000		4.0	0.64	ug/L	1		6020B	Dissolved
Hardness as calcium carbonate	470		0.91	0.46	mg/L	1		SM 2340B	Total Recoverable
Bromide	2.2		1.0	0.45	mg/L	1		300.0	Total/NA
Chloride	230		1.0	0.42	mg/L	1		300.0	Total/NA
Sulfate	3.7		1.0	0.47	mg/L	1		300.0	Total/NA
Alkalinity	340		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	340		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Salinity	0.55		0.33	0.33	psu	1		SM 2520B	Total/NA
Total Dissolved Solids	880		10	4.3	mg/L	1		SM 2540C	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-268062-1

Client Sample ID: MW-5A_20250507 (Continued) — Lab Sample ID: 500-268062-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Suspended Solids	3.0	J	5.0	1.9	mg/L	1		SM 2540D	Total/NA
Total Organic Carbon	2.6		1.0	0.47	mg/L	1		SM 5310C	Total/NA
Dissolved Organic Carbon	2.8		1.0	0.47	mg/L	1		SM 5310C	Dissolved

Client Sample ID: MW-5A_20250507_FBLL — Lab Sample ID: 500-268062-2

No Detections.

Client Sample ID: MW-5SB_20250507 — Lab Sample ID: 500-268062-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	0.50		0.50	0.20	ng/L	1		1631E	Total/NA
Mercury	0.20	J	0.50	0.20	ng/L	1		1631E	Dissolved
Uranium	0.77		0.050	0.0098	ug/L	1		1638	Total Recoverable
Uranium	0.71		0.050	0.0098	ug/L	1		1638	Dissolved
Aluminum	2900		100	25	ug/L	1		6020B	Total Recoverable
Arsenic	0.53	J	1.0	0.23	ug/L	1		6020B	Total Recoverable
Barium	77		2.5	0.73	ug/L	1		6020B	Total Recoverable
Boron	340	B	50	13	ug/L	1		6020B	Total Recoverable
Calcium	22000		200	44	ug/L	1		6020B	Total Recoverable
Chromium	4.4	J	5.0	1.1	ug/L	1		6020B	Total Recoverable
Cobalt	1.2		1.0	0.40	ug/L	1		6020B	Total Recoverable
Copper	2.8		2.0	0.50	ug/L	1		6020B	Total Recoverable
Iron	2300		100	47	ug/L	1		6020B	Total Recoverable
Lead	1.3		0.50	0.19	ug/L	1		6020B	Total Recoverable
Lithium	69		10	2.5	ug/L	1		6020B	Total Recoverable
Magnesium	1100		200	49	ug/L	1		6020B	Total Recoverable
Manganese	72		2.5	0.79	ug/L	1		6020B	Total Recoverable
Molybdenum	96		5.0	2.5	ug/L	1		6020B	Total Recoverable
Nickel	2.6		2.0	0.63	ug/L	1		6020B	Total Recoverable
Potassium	1300		500	110	ug/L	1		6020B	Total Recoverable
Sodium	250000		200	77	ug/L	1		6020B	Total Recoverable
Strontium	460		4.0	0.64	ug/L	1		6020B	Total Recoverable
Tin	2.0	J	5.0	1.3	ug/L	1		6020B	Total Recoverable
Vanadium	6.7		5.0	2.2	ug/L	1		6020B	Total Recoverable
Zinc	7.6	J	20	6.9	ug/L	1		6020B	Total Recoverable

This Detection Summary does not include radiochemical test results.

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Client Sample ID: MW-5SB_20250507 (Continued)

Lab Sample ID: 500-268062-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.43	J	1.0	0.23	ug/L	1		6020B	Dissolved
Barium	49		2.5	0.73	ug/L	1		6020B	Dissolved
Boron	330	B	50	13	ug/L	1		6020B	Dissolved
Calcium	22000		200	44	ug/L	1		6020B	Dissolved
Lithium	64		10	2.5	ug/L	1		6020B	Dissolved
Magnesium	310		200	49	ug/L	1		6020B	Dissolved
Manganese	25		2.5	0.79	ug/L	1		6020B	Dissolved
Molybdenum	95		5.0	2.5	ug/L	1		6020B	Dissolved
Potassium	370	J	500	110	ug/L	1		6020B	Dissolved
Sodium	250000		200	77	ug/L	1		6020B	Dissolved
Strontium	460		4.0	0.64	ug/L	1		6020B	Dissolved
Tin	1.7	J	5.0	1.3	ug/L	1		6020B	Dissolved
Hardness as calcium carbonate	60		0.91	0.46	mg/L	1		SM 2340B	Total Recoverable
Bromide	3.9		1.0	0.45	mg/L	1		300.0	Total/NA
Chloride	390		20	8.4	mg/L	20		300.0	Total/NA
Fluoride	1.4		1.0	0.43	mg/L	1		300.0	Total/NA
Sulfate	36		1.0	0.47	mg/L	1		300.0	Total/NA
Phosphorus as P	0.059		0.050	0.024	mg/L	1		365.1	Total/NA
Alkalinity	42		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	36		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Carbonate Alkalinity as CaCO3	6.0		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Salinity	0.63		0.33	0.33	psu	1		SM 2520B	Total/NA
Total Dissolved Solids	700		10	4.3	mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	4.8	J	5.0	1.9	mg/L	1		SM 2540D	Total/NA

Client Sample ID: MW-5SB_20250507_FBLL

Lab Sample ID: 500-268062-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	1.4		0.50	0.20	ng/L	1		1631E	Total/NA

Client Sample ID: MW-42_20250507

Lab Sample ID: 500-268062-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	3.3		0.50	0.20	ng/L	1		1631E	Total/NA
Mercury	1.6		0.50	0.20	ng/L	1		1631E	Dissolved
Uranium	7.1		0.050	0.0098	ug/L	1		1638	Total Recoverable
Uranium	7.0		0.050	0.0098	ug/L	1		1638	Dissolved
Aluminum	1000		100	25	ug/L	1		6020B	Total Recoverable
Arsenic	4.4		1.0	0.23	ug/L	1		6020B	Total Recoverable
Barium	14		2.5	0.73	ug/L	1		6020B	Total Recoverable
Boron	680	B	50	13	ug/L	1		6020B	Total Recoverable
Calcium	2800		200	44	ug/L	1		6020B	Total Recoverable
Chromium	1.6	J	5.0	1.1	ug/L	1		6020B	Total Recoverable
Cobalt	0.45	J	1.0	0.40	ug/L	1		6020B	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-42_20250507 (Continued)

Lab Sample ID: 500-268062-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Copper	5.2		2.0	0.50	ug/L	1		6020B	Total Recoverable
Iron	770		100	47	ug/L	1		6020B	Total Recoverable
Lead	0.31	J	0.50	0.19	ug/L	1		6020B	Total Recoverable
Lithium	12		10	2.5	ug/L	1		6020B	Total Recoverable
Magnesium	380		200	49	ug/L	1		6020B	Total Recoverable
Manganese	21		2.5	0.79	ug/L	1		6020B	Total Recoverable
Molybdenum	11		5.0	2.5	ug/L	1		6020B	Total Recoverable
Nickel	1.0	J	2.0	0.63	ug/L	1		6020B	Total Recoverable
Potassium	460	J	500	110	ug/L	1		6020B	Total Recoverable
Sodium	69000		200	77	ug/L	1		6020B	Total Recoverable
Strontium	37		4.0	0.64	ug/L	1		6020B	Total Recoverable
Vanadium	20		5.0	2.2	ug/L	1		6020B	Total Recoverable
Aluminum	26	J	100	25	ug/L	1		6020B	Dissolved
Arsenic	4.3		1.0	0.23	ug/L	1		6020B	Dissolved
Barium	4.5		2.5	0.73	ug/L	1		6020B	Dissolved
Boron	660	B	50	13	ug/L	1		6020B	Dissolved
Calcium	2600		200	44	ug/L	1		6020B	Dissolved
Copper	3.0		2.0	0.50	ug/L	1		6020B	Dissolved
Lithium	12		10	2.5	ug/L	1		6020B	Dissolved
Magnesium	130	J	200	49	ug/L	1		6020B	Dissolved
Molybdenum	11		5.0	2.5	ug/L	1		6020B	Dissolved
Potassium	170	J	500	110	ug/L	1		6020B	Dissolved
Sodium	69000		200	77	ug/L	1		6020B	Dissolved
Strontium	35		4.0	0.64	ug/L	1		6020B	Dissolved
Vanadium	18		5.0	2.2	ug/L	1		6020B	Dissolved
Hardness as calcium carbonate	8.5		0.91	0.46	mg/L	1		SM 2340B	Total Recoverable
Chloride	1.2		1.0	0.42	mg/L	1		300.0	Total/NA
Fluoride	1.3		1.0	0.43	mg/L	1		300.0	Total/NA
Sulfate	15		1.0	0.47	mg/L	1		300.0	Total/NA
Phosphorus as P	0.36		0.050	0.024	mg/L	1		365.1	Total/NA
Alkalinity	140		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	120		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Carbonate Alkalinity as CaCO3	18		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	170		10	4.3	mg/L	1		SM 2540C	Total/NA
Total Organic Carbon	2.4		1.0	0.47	mg/L	1		SM 5310C	Total/NA
Dissolved Organic Carbon	3.7		1.0	0.47	mg/L	1		SM 5310C	Dissolved

Client Sample ID: MW-42_20250507_FBLL

Lab Sample ID: 500-268062-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	0.55		0.50	0.20	ng/L	1		1631E	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-268062-1

Client Sample ID: MW-38_20250507

Lab Sample ID: 500-268062-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	0.85		0.50	0.20	ng/L	1		1631E	Total/NA
Mercury	0.49	J	0.50	0.20	ng/L	1		1631E	Dissolved
Uranium	4.4		0.050	0.0098	ug/L	1		1638	Total Recoverable
Uranium	4.3		0.050	0.0098	ug/L	1		1638	Dissolved
Aluminum	42	J	100	25	ug/L	1		6020B	Total Recoverable
Arsenic	0.63	J	1.0	0.23	ug/L	1		6020B	Total Recoverable
Barium	64		2.5	0.73	ug/L	1		6020B	Total Recoverable
Boron	350	B	50	13	ug/L	1		6020B	Total Recoverable
Calcium	23000		200	44	ug/L	1		6020B	Total Recoverable
Copper	2.7		2.0	0.50	ug/L	1		6020B	Total Recoverable
Iron	65	J	100	47	ug/L	1		6020B	Total Recoverable
Lithium	28		10	2.5	ug/L	1		6020B	Total Recoverable
Magnesium	1400		200	49	ug/L	1		6020B	Total Recoverable
Manganese	55		2.5	0.79	ug/L	1		6020B	Total Recoverable
Molybdenum	25		5.0	2.5	ug/L	1		6020B	Total Recoverable
Potassium	660		500	110	ug/L	1		6020B	Total Recoverable
Sodium	80000		200	77	ug/L	1		6020B	Total Recoverable
Strontium	390		4.0	0.64	ug/L	1		6020B	Total Recoverable
Vanadium	8.9		5.0	2.2	ug/L	1		6020B	Total Recoverable
Arsenic	0.60	J	1.0	0.23	ug/L	1		6020B	Dissolved
Barium	62		2.5	0.73	ug/L	1		6020B	Dissolved
Boron	360	B	50	13	ug/L	1		6020B	Dissolved
Calcium	23000		200	44	ug/L	1		6020B	Dissolved
Copper	2.2		2.0	0.50	ug/L	1		6020B	Dissolved
Lithium	29		10	2.5	ug/L	1		6020B	Dissolved
Magnesium	1400		200	49	ug/L	1		6020B	Dissolved
Manganese	1.9	J	2.5	0.79	ug/L	1		6020B	Dissolved
Molybdenum	26		5.0	2.5	ug/L	1		6020B	Dissolved
Potassium	640		500	110	ug/L	1		6020B	Dissolved
Sodium	82000		200	77	ug/L	1		6020B	Dissolved
Strontium	390		4.0	0.64	ug/L	1		6020B	Dissolved
Vanadium	8.4		5.0	2.2	ug/L	1		6020B	Dissolved
Hardness as calcium carbonate	62		0.91	0.46	mg/L	1		SM 2340B	Total Recoverable
Chloride	29		1.0	0.42	mg/L	1		300.0	Total/NA
Fluoride	0.88	J	1.0	0.43	mg/L	1		300.0	Total/NA
Sulfate	16		1.0	0.47	mg/L	1		300.0	Total/NA
Alkalinity	180		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	180		5.0	3.7	mg/L	1		SM 2320B	Total/NA

This Detection Summary does not include radiochemical test results.

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Client Sample ID: MW-38_20250507 (Continued) — Lab Sample ID: 500-268062-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Dissolved Solids	250		10	4.3	mg/L	1		SM 2540C	Total/NA
Total Organic Carbon	2.8		1.0	0.47	mg/L	1		SM 5310C	Total/NA
Dissolved Organic Carbon	2.7		1.0	0.47	mg/L	1		SM 5310C	Dissolved

Client Sample ID: MW-38_20250507_FBLL — Lab Sample ID: 500-268062-8

No Detections.

Client Sample ID: PRC-01_20250507 — Lab Sample ID: 500-268062-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	0.58		0.50	0.20	ng/L	1		1631E	Total/NA
Mercury	0.35	J	0.50	0.20	ng/L	1		1631E	Dissolved
Uranium	0.33		0.050	0.0098	ug/L	1		1638	Total Recoverable
Uranium	0.31		0.050	0.0098	ug/L	1		1638	Dissolved
Aluminum	320		100	25	ug/L	1		6020B	Total Recoverable
Arsenic	0.60	J	1.0	0.23	ug/L	1		6020B	Total Recoverable
Barium	72		2.5	0.73	ug/L	1		6020B	Total Recoverable
Boron	130	B	50	13	ug/L	1		6020B	Total Recoverable
Calcium	49000		200	44	ug/L	1		6020B	Total Recoverable
Copper	40		2.0	0.50	ug/L	1		6020B	Total Recoverable
Iron	530		100	47	ug/L	1		6020B	Total Recoverable
Lithium	19		10	2.5	ug/L	1		6020B	Total Recoverable
Magnesium	6000		200	49	ug/L	1		6020B	Total Recoverable
Manganese	88		2.5	0.79	ug/L	1		6020B	Total Recoverable
Molybdenum	25		5.0	2.5	ug/L	1		6020B	Total Recoverable
Nickel	0.68	J	2.0	0.63	ug/L	1		6020B	Total Recoverable
Potassium	3600		500	110	ug/L	1		6020B	Total Recoverable
Sodium	26000		200	77	ug/L	1		6020B	Total Recoverable
Strontium	450		4.0	0.64	ug/L	1		6020B	Total Recoverable
Arsenic	0.57	J	1.0	0.23	ug/L	1		6020B	Dissolved
Barium	69		2.5	0.73	ug/L	1		6020B	Dissolved
Boron	120	B	50	13	ug/L	1		6020B	Dissolved
Calcium	49000		200	44	ug/L	1		6020B	Dissolved
Copper	20		2.0	0.50	ug/L	1		6020B	Dissolved
Lithium	18		10	2.5	ug/L	1		6020B	Dissolved
Magnesium	5600		200	49	ug/L	1		6020B	Dissolved
Manganese	55		2.5	0.79	ug/L	1		6020B	Dissolved
Molybdenum	25		5.0	2.5	ug/L	1		6020B	Dissolved
Potassium	3500		500	110	ug/L	1		6020B	Dissolved

This Detection Summary does not include radiochemical test results.

Client Sample ID: PRC-01_20250507 (Continued) — Lab Sample ID: 500-268062-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sodium	25000		200	77	ug/L	1		6020B	Dissolved
Strontium	450		4.0	0.64	ug/L	1		6020B	Dissolved
Hardness as calcium carbonate	150		0.91	0.46	mg/L	1		SM 2340B	Total Recoverable
Bromide	0.78	J	1.0	0.45	mg/L	1		300.0	Total/NA
Chloride	71		1.0	0.42	mg/L	1		300.0	Total/NA
Sulfate	15		1.0	0.47	mg/L	1		300.0	Total/NA
Alkalinity	100		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	100		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	210		10	4.3	mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	4.0	J	5.0	1.9	mg/L	1		SM 2540D	Total/NA
Total Organic Carbon	3.8		1.0	0.47	mg/L	1		SM 5310C	Total/NA
Dissolved Organic Carbon	4.1		1.0	0.47	mg/L	1		SM 5310C	Dissolved

Client Sample ID: PRC-01_20250507_FBLL — Lab Sample ID: 500-268062-10

No Detections.

Client Sample ID: MW-10_20250507 — Lab Sample ID: 500-268062-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl Mercury	0.038	J	0.050	0.022	ng/L	1		1630	Total/NA
Methyl Mercury	0.025	J	0.050	0.022	ng/L	1		1630	Dissolved
Mercury	4.4		0.50	0.20	ng/L	1		1631E	Total/NA
Mercury	0.99		0.50	0.20	ng/L	1		1631E	Dissolved
Uranium	6.9		0.050	0.0098	ug/L	1		1638	Total Recoverable
Uranium	6.7		0.050	0.0098	ug/L	1		1638	Dissolved
Aluminum	130		100	25	ug/L	1		6020B	Total Recoverable
Arsenic	0.43	J	1.0	0.23	ug/L	1		6020B	Total Recoverable
Barium	3000		2.5	0.73	ug/L	1		6020B	Total Recoverable
Boron	150	B	50	13	ug/L	1		6020B	Total Recoverable
Cadmium	0.27	J	0.50	0.17	ug/L	1		6020B	Total Recoverable
Calcium	310000		1000	220	ug/L	5		6020B	Total Recoverable
Cobalt	0.90	J	1.0	0.40	ug/L	1		6020B	Total Recoverable
Copper	3.7		2.0	0.50	ug/L	1		6020B	Total Recoverable
Iron	1400		100	47	ug/L	1		6020B	Total Recoverable
Lead	0.29	J	0.50	0.19	ug/L	1		6020B	Total Recoverable
Lithium	61		10	2.5	ug/L	1		6020B	Total Recoverable
Magnesium	90000		200	49	ug/L	1		6020B	Total Recoverable
Manganese	3400		2.5	0.79	ug/L	1		6020B	Total Recoverable
Nickel	1.7	J	2.0	0.63	ug/L	1		6020B	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-10_20250507 (Continued)

Lab Sample ID: 500-268062-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Potassium	1200		500	110	ug/L	1		6020B	Total Recoverable
Sodium	36000		200	77	ug/L	1		6020B	Total Recoverable
Strontium	3200		4.0	0.64	ug/L	1		6020B	Total Recoverable
Tin	1.4	J	5.0	1.3	ug/L	1		6020B	Total Recoverable
Vanadium	4.4	J	5.0	2.2	ug/L	1		6020B	Total Recoverable
Arsenic	0.24	J	1.0	0.23	ug/L	1		6020B	Dissolved
Barium	3100		2.5	0.73	ug/L	1		6020B	Dissolved
Boron	170	B	50	13	ug/L	1		6020B	Dissolved
Calcium	320000		1000	220	ug/L	5		6020B	Dissolved
Cobalt	0.77	J	1.0	0.40	ug/L	1		6020B	Dissolved
Iron	1000		100	47	ug/L	1		6020B	Dissolved
Lithium	61		10	2.5	ug/L	1		6020B	Dissolved
Magnesium	92000		200	49	ug/L	1		6020B	Dissolved
Manganese	3300		2.5	0.79	ug/L	1		6020B	Dissolved
Nickel	1.3	J	2.0	0.63	ug/L	1		6020B	Dissolved
Potassium	960		500	110	ug/L	1		6020B	Dissolved
Sodium	36000		200	77	ug/L	1		6020B	Dissolved
Strontium	3200		4.0	0.64	ug/L	1		6020B	Dissolved
Vanadium	2.8	J	5.0	2.2	ug/L	1		6020B	Dissolved
Hardness as calcium carbonate	1200		0.91	0.46	mg/L	1		SM 2340B	Total Recoverable
Bromide	4.3		1.0	0.45	mg/L	1		300.0	Total/NA
Chloride	420		20	8.4	mg/L	20		300.0	Total/NA
Sulfate	4.0		1.0	0.47	mg/L	1		300.0	Total/NA
Phosphorus as P	0.031	J	0.050	0.024	mg/L	1		365.1	Total/NA
Alkalinity	570		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	570		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Salinity	1.2		0.33	0.33	psu	1		SM 2520B	Total/NA
Total Dissolved Solids	1300		10	4.3	mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	21		5.0	1.9	mg/L	1		SM 2540D	Total/NA
Total Organic Carbon	5.3		1.0	0.47	mg/L	1		SM 5310C	Total/NA
Dissolved Organic Carbon	5.1		1.0	0.47	mg/L	1		SM 5310C	Dissolved

Client Sample ID: MW-10_20250507_FBLL

Lab Sample ID: 500-268062-12

No Detections.

Client Sample ID: PNC-03_20250507

Lab Sample ID: 500-268062-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl Mercury	0.022	J	0.050	0.022	ng/L	1		1630	Total/NA
Mercury	2.2		0.50	0.20	ng/L	1		1631E	Total/NA
Mercury	1.8		0.50	0.20	ng/L	1		1631E	Dissolved
Uranium	0.17		0.050	0.0098	ug/L	1		1638	Total Recoverable
Uranium	0.18		0.050	0.0098	ug/L	1		1638	Dissolved
Aluminum	310		100	25	ug/L	1		6020B	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client Sample ID: PNC-03_20250507 (Continued)

Lab Sample ID: 500-268062-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.42	J	1.0	0.23	ug/L	1		6020B	Total Recoverable
Barium	36		2.5	0.73	ug/L	1		6020B	Total Recoverable
Calcium	18000		200	44	ug/L	1		6020B	Total Recoverable
Copper	16		2.0	0.50	ug/L	1		6020B	Total Recoverable
Iron	690		100	47	ug/L	1		6020B	Total Recoverable
Magnesium	4100		200	49	ug/L	1		6020B	Total Recoverable
Manganese	62		2.5	0.79	ug/L	1		6020B	Total Recoverable
Nickel	0.67	J	2.0	0.63	ug/L	1		6020B	Total Recoverable
Potassium	1100		500	110	ug/L	1		6020B	Total Recoverable
Sodium	2300		200	77	ug/L	1		6020B	Total Recoverable
Strontium	79		4.0	0.64	ug/L	1		6020B	Total Recoverable
Aluminum	36	J	100	25	ug/L	1		6020B	Dissolved
Arsenic	0.33	J	1.0	0.23	ug/L	1		6020B	Dissolved
Barium	37		2.5	0.73	ug/L	1		6020B	Dissolved
Boron	57	B	50	13	ug/L	1		6020B	Dissolved
Calcium	20000		200	44	ug/L	1		6020B	Dissolved
Copper	14		2.0	0.50	ug/L	1		6020B	Dissolved
Iron	360		100	47	ug/L	1		6020B	Dissolved
Magnesium	4300		200	49	ug/L	1		6020B	Dissolved
Manganese	100		2.5	0.79	ug/L	1		6020B	Dissolved
Potassium	1100		500	110	ug/L	1		6020B	Dissolved
Sodium	2500		200	77	ug/L	1		6020B	Dissolved
Strontium	88		4.0	0.64	ug/L	1		6020B	Dissolved
Hardness as calcium carbonate	63		0.91	0.46	mg/L	1		SM 2340B	Total Recoverable
Chloride	7.1		1.0	0.42	mg/L	1		300.0	Total/NA
Sulfate	0.79	J	1.0	0.47	mg/L	1		300.0	Total/NA
Alkalinity	62		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	62		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	160		10	4.3	mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	2.6	J	5.0	1.9	mg/L	1		SM 2540D	Total/NA
Sulfide	1.5		1.0	0.23	mg/L	1		SM 4500 S2 F	Total/NA
Total Organic Carbon	9.9		1.0	0.47	mg/L	1		SM 5310C	Total/NA
Dissolved Organic Carbon	10		1.0	0.47	mg/L	1		SM 5310C	Dissolved

Client Sample ID: PNC-03_20250507_FBLL

Lab Sample ID: 500-268062-14

No Detections.

Client Sample ID: FB-01-GW_20250507

Lab Sample ID: 500-268062-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	0.23	J	0.50	0.20	ng/L	1		1631E	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: FB-01-GW_20250507 (Continued) — Lab Sample ID: 500-268062-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	78	J	200	44	ug/L	1		6020B	Total Recoverable
Copper	0.83	J	2.0	0.50	ug/L	1		6020B	Total Recoverable
Sodium	340		200	77	ug/L	1		6020B	Total Recoverable
Tin	1.9	J B	5.0	1.3	ug/L	1		6020B	Total Recoverable
Total Dissolved Solids	6.0	J	10	4.3	mg/L	1		SM 2540C	Total/NA

Client Sample ID: FB-01-GW_20250507_FBLL — Lab Sample ID: 500-268062-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	0.26	J	0.50	0.20	ng/L	1		1631E	Total/NA

Client Sample ID: MW-35SB_20250507 — Lab Sample ID: 500-268062-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	2.5		0.50	0.20	ng/L	1		1631E	Total/NA
Mercury	0.52		0.50	0.20	ng/L	1		1631E	Dissolved
Uranium	12		0.050	0.0098	ug/L	1		1638	Total Recoverable
Uranium	9.9		0.050	0.0098	ug/L	1		1638	Dissolved
Aluminum	50000		100	25	ug/L	1		6020B	Total Recoverable
Arsenic	16		1.0	0.23	ug/L	1		6020B	Total Recoverable
Barium	290		2.5	0.73	ug/L	1		6020B	Total Recoverable
Beryllium	2.9		1.0	0.53	ug/L	1		6020B	Total Recoverable
Boron	2800	B	50	13	ug/L	1		6020B	Total Recoverable
Calcium	17000		200	44	ug/L	1		6020B	Total Recoverable
Chromium	85		5.0	1.1	ug/L	1		6020B	Total Recoverable
Cobalt	51		1.0	0.40	ug/L	1		6020B	Total Recoverable
Copper	91		2.0	0.50	ug/L	1		6020B	Total Recoverable
Iron	64000		100	47	ug/L	1		6020B	Total Recoverable
Lead	62		0.50	0.19	ug/L	1		6020B	Total Recoverable
Lithium	130		10	2.5	ug/L	1		6020B	Total Recoverable
Magnesium	28000		200	49	ug/L	1		6020B	Total Recoverable
Manganese	1400		2.5	0.79	ug/L	1		6020B	Total Recoverable
Molybdenum	3.4	J	5.0	2.5	ug/L	1		6020B	Total Recoverable
Nickel	110		2.0	0.63	ug/L	1		6020B	Total Recoverable
Potassium	13000		500	110	ug/L	1		6020B	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-35SB_20250507 (Continued) — Lab Sample ID: 500-268062-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Selenium	9.0		2.5	0.98	ug/L	1		6020B	Total Recoverable
Sodium	120000		200	77	ug/L	1		6020B	Total Recoverable
Strontium	72		4.0	0.64	ug/L	1		6020B	Total Recoverable
Thallium	0.75	J	2.0	0.57	ug/L	1		6020B	Total Recoverable
Tin	2.6	J	5.0	1.3	ug/L	1		6020B	Total Recoverable
Vanadium	110		5.0	2.2	ug/L	1		6020B	Total Recoverable
Zinc	240		20	6.9	ug/L	1		6020B	Total Recoverable
Aluminum	52	J	100	25	ug/L	1		6020B	Dissolved
Arsenic	0.96	J	1.0	0.23	ug/L	1		6020B	Dissolved
Barium	8.1		2.5	0.73	ug/L	1		6020B	Dissolved
Boron	3000	B	50	13	ug/L	1		6020B	Dissolved
Calcium	3100		200	44	ug/L	1		6020B	Dissolved
Lithium	61		10	2.5	ug/L	1		6020B	Dissolved
Magnesium	500		200	49	ug/L	1		6020B	Dissolved
Manganese	6.4		2.5	0.79	ug/L	1		6020B	Dissolved
Molybdenum	3.6	J	5.0	2.5	ug/L	1		6020B	Dissolved
Potassium	1300		500	110	ug/L	1		6020B	Dissolved
Sodium	120000		200	77	ug/L	1		6020B	Dissolved
Strontium	19		4.0	0.64	ug/L	1		6020B	Dissolved
Vanadium	5.9		5.0	2.2	ug/L	1		6020B	Dissolved
Hardness as calcium carbonate	160		0.91	0.46	mg/L	1		SM 2340B	Total Recoverable
Chloride	1.2		1.0	0.42	mg/L	1		300.0	Total/NA
Fluoride	1.0		1.0	0.43	mg/L	1		300.0	Total/NA
Sulfate	7.1		1.0	0.47	mg/L	1		300.0	Total/NA
Phosphorus as P	1.3		0.050	0.024	mg/L	1		365.1	Total/NA
Alkalinity	280		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	270		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Carbonate Alkalinity as CaCO3	17		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	360		10	4.3	mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	440		50	19	mg/L	1		SM 2540D	Total/NA
Sulfide	1.8		1.0	0.23	mg/L	1		SM 4500 S2 F	Total/NA
Dissolved Organic Carbon	0.60	J	1.0	0.47	mg/L	1		SM 5310C	Dissolved

Client Sample ID: MW-35SB_20250507_FBLL — Lab Sample ID: 500-268062-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	0.25	J	0.50	0.20	ng/L	1		1631E	Total/NA

Client Sample ID: FB-02_20250507 — Lab Sample ID: 500-268062-19

No Detections.

Client Sample ID: SMW-3_20250508 — Lab Sample ID: 500-268062-20

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	0.30	J	0.50	0.20	ng/L	1		1631E	Total/NA
Mercury	0.40	J	0.50	0.20	ng/L	1		1631E	Dissolved

This Detection Summary does not include radiochemical test results.

Client Sample ID: SMW-3_20250508 (Continued) — Lab Sample ID: 500-268062-20

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Uranium	0.088		0.050	0.0098	ug/L	1		1638	Total Recoverable
Uranium	0.076		0.050	0.0098	ug/L	1		1638	Dissolved
Aluminum	34	J	100	25	ug/L	1		6020B	Total Recoverable
Arsenic	1.4		1.0	0.23	ug/L	1		6020B	Total Recoverable
Barium	29		2.5	0.73	ug/L	1		6020B	Total Recoverable
Boron	280	B	50	13	ug/L	1		6020B	Total Recoverable
Calcium	11000		200	44	ug/L	1		6020B	Total Recoverable
Iron	81	J	100	47	ug/L	1		6020B	Total Recoverable
Magnesium	1700		200	49	ug/L	1		6020B	Total Recoverable
Manganese	23		2.5	0.79	ug/L	1		6020B	Total Recoverable
Molybdenum	19		5.0	2.5	ug/L	1		6020B	Total Recoverable
Potassium	930		500	110	ug/L	1		6020B	Total Recoverable
Sodium	41000		200	77	ug/L	1		6020B	Total Recoverable
Strontium	110		4.0	0.64	ug/L	1		6020B	Total Recoverable
Arsenic	1.3		1.0	0.23	ug/L	1		6020B	Dissolved
Barium	28		2.5	0.73	ug/L	1		6020B	Dissolved
Boron	300	B	50	13	ug/L	1		6020B	Dissolved
Calcium	10000		200	44	ug/L	1		6020B	Dissolved
Magnesium	1600		200	49	ug/L	1		6020B	Dissolved
Manganese	20		2.5	0.79	ug/L	1		6020B	Dissolved
Molybdenum	18		5.0	2.5	ug/L	1		6020B	Dissolved
Potassium	860		500	110	ug/L	1		6020B	Dissolved
Sodium	39000		200	77	ug/L	1		6020B	Dissolved
Strontium	100		4.0	0.64	ug/L	1		6020B	Dissolved
Hardness as calcium carbonate	33		0.91	0.46	mg/L	1		SM 2340B	Total Recoverable
Chloride	39		1.0	0.42	mg/L	1		300.0	Total/NA
Phosphorus as P	0.042	J	0.050	0.024	mg/L	1		365.1	Total/NA
Alkalinity	77		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	77		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	120		10	4.3	mg/L	1		SM 2540C	Total/NA
Total Organic Carbon	3.3		1.0	0.47	mg/L	1		SM 5310C	Total/NA
Dissolved Organic Carbon	3.4		1.0	0.47	mg/L	1		SM 5310C	Dissolved

Client Sample ID: SMW-3_20250508_FBLL — Lab Sample ID: 500-268062-21

No Detections.

Client Sample ID: SMW-3SB_20250508 — Lab Sample ID: 500-268062-22

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	0.47	J	0.50	0.20	ng/L	1		1631E	Total/NA
Mercury	0.44	J	0.50	0.20	ng/L	1		1631E	Dissolved

This Detection Summary does not include radiochemical test results.

Client Sample ID: SMW-3SB_20250508 (Continued)

Lab Sample ID: 500-268062-22

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Uranium	0.45		0.050	0.0098	ug/L	1		1638	Total Recoverable
Uranium	0.43		0.050	0.0098	ug/L	1		1638	Dissolved
Aluminum	190		100	25	ug/L	1		6020B	Total Recoverable
Arsenic	0.51	J	1.0	0.23	ug/L	1		6020B	Total Recoverable
Barium	5.9		2.5	0.73	ug/L	1		6020B	Total Recoverable
Boron	5000	B	50	13	ug/L	1		6020B	Total Recoverable
Calcium	3200		200	44	ug/L	1		6020B	Total Recoverable
Copper	4.0		2.0	0.50	ug/L	1		6020B	Total Recoverable
Iron	160		100	47	ug/L	1		6020B	Total Recoverable
Lithium	31		10	2.5	ug/L	1		6020B	Total Recoverable
Magnesium	360		200	49	ug/L	1		6020B	Total Recoverable
Manganese	4.9		2.5	0.79	ug/L	1		6020B	Total Recoverable
Molybdenum	10		5.0	2.5	ug/L	1		6020B	Total Recoverable
Potassium	2800		500	110	ug/L	1		6020B	Total Recoverable
Sodium	110000		200	77	ug/L	1		6020B	Total Recoverable
Strontium	28		4.0	0.64	ug/L	1		6020B	Total Recoverable
Vanadium	3.0	J	5.0	2.2	ug/L	1		6020B	Total Recoverable
Aluminum	25	J	100	25	ug/L	1		6020B	Dissolved
Arsenic	0.45	J	1.0	0.23	ug/L	1		6020B	Dissolved
Barium	4.7		2.5	0.73	ug/L	1		6020B	Dissolved
Boron	4900	B	250	64	ug/L	5		6020B	Dissolved
Calcium	2900		200	44	ug/L	1		6020B	Dissolved
Lithium	28		10	2.5	ug/L	1		6020B	Dissolved
Magnesium	300		200	49	ug/L	1		6020B	Dissolved
Manganese	2.2	J	2.5	0.79	ug/L	1		6020B	Dissolved
Molybdenum	9.7		5.0	2.5	ug/L	1		6020B	Dissolved
Potassium	2600		500	110	ug/L	1		6020B	Dissolved
Sodium	100000		200	77	ug/L	1		6020B	Dissolved
Strontium	27		4.0	0.64	ug/L	1		6020B	Dissolved
Vanadium	2.2	J	5.0	2.2	ug/L	1		6020B	Dissolved
Hardness as calcium carbonate	9.4		0.91	0.46	mg/L	1		SM 2340B	Total Recoverable
Bromide	0.92	J	1.0	0.45	mg/L	1		300.0	Total/NA
Chloride	99		1.0	0.42	mg/L	1		300.0	Total/NA
Fluoride	1.8		1.0	0.43	mg/L	1		300.0	Total/NA
Sulfate	7.8		1.0	0.47	mg/L	1		300.0	Total/NA
Phosphorus as P	0.057		0.050	0.024	mg/L	1		365.1	Total/NA
Alkalinity	110		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	85		5.0	3.7	mg/L	1		SM 2320B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SMW-3SB_20250508 (Continued)

Lab Sample ID: 500-268062-22

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Carbonate Alkalinity as CaCO3	28		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	240		10	4.3	mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	4.0	J	5.0	1.9	mg/L	1		SM 2540D	Total/NA
Total Organic Carbon	1.3		1.0	0.47	mg/L	1		SM 5310C	Total/NA
Dissolved Organic Carbon	1.7		1.0	0.47	mg/L	1		SM 5310C	Dissolved

Client Sample ID: SMW-3SB_20250508_FBLL

Lab Sample ID: 500-268062-23

No Detections.

This Detection Summary does not include radiochemical test results.

Method Summary

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-268062-1

Method	Method Description	Protocol	Laboratory
1630	Methyl Mercury	EPA	EET SSM
1631E	Mercury, Low Level (CVAFS)	EPA	EET SSM
1638	Metals (ICP/MS)	EPA	EET SSM
6020B	Metals (ICP/MS)	SW846	EET CHI
SM 2340B	Total Hardness (as CaCO3) by calculation	SM	EET CHI
300.0	Anions, Ion Chromatography	EPA	EET CHI
335.4	Cyanide, Total	EPA	EET CHI
350.1	Nitrogen, Ammonia	EPA	EET CHI
365.1	Phosphorus, Total	EPA	EET CHI
SM 2320B	Alkalinity	SM	EET CHI
SM 2520B	Salinity	SM	EET CHI
SM 2540C	Solids, Total Dissolved (TDS)	SM	EET CHI
SM 2540D	Solids, Total Suspended (TSS)	SM	EET CHI
SM 4500 S2 F	Sulfide, Total	SM	EET CHI
SM 5310C	Organic Carbon, Dissolved (DOC)	SM	EET CHI
SM 5310C	TOC	SM	EET CHI
1630	Distillation, Methyl Mercury	EPA	EET SSM
1638	Preparation, Total Recoverable Metals	EPA	EET SSM
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET CHI
365.2/365.3/365	Phosphorus, Total	EPA	EET CHI
Distill/Ammonia	Distillation, Ammonia	None	EET CHI
Distill/CN	Distillation, Cyanide	None	EET CHI

Protocol References:

EPA = US Environmental Protection Agency

None = None

SM = "Standard Methods For The Examination Of Water And Wastewater"

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET CHI = Eurofins Chicago, 18410 Crossing Drive, Suite E, Tinley Park, IL 60487, TEL (708)534-5200

EET SSM = Eurofins Seattle Specialty Metals, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

Sample Summary

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-268062-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-268062-1	MW-5A_20250507	Water	05/07/25 11:45	05/09/25 09:29
500-268062-2	MW-5A_20250507_FBLL	Water	05/07/25 11:45	05/09/25 09:29
500-268062-3	MW-5SB_20250507	Water	05/07/25 12:45	05/09/25 09:29
500-268062-4	MW-5SB_20250507_FBLL	Water	05/07/25 12:45	05/09/25 09:29
500-268062-5	MW-42_20250507	Water	05/07/25 15:00	05/09/25 09:29
500-268062-6	MW-42_20250507_FBLL	Water	05/07/25 15:00	05/09/25 09:29
500-268062-7	MW-38_20250507	Water	05/07/25 14:30	05/09/25 09:29
500-268062-8	MW-38_20250507_FBLL	Water	05/07/25 14:30	05/09/25 09:29
500-268062-9	PRC-01_20250507	Water	05/07/25 17:00	05/09/25 09:29
500-268062-10	PRC-01_20250507_FBLL	Water	05/07/25 17:00	05/09/25 09:29
500-268062-11	MW-10_20250507	Water	05/07/25 16:00	05/09/25 09:29
500-268062-12	MW-10_20250507_FBLL	Water	05/07/25 16:00	05/09/25 09:29
500-268062-13	PNC-03_20250507	Water	05/07/25 10:45	05/09/25 09:29
500-268062-14	PNC-03_20250507_FBLL	Water	05/07/25 10:45	05/09/25 09:29
500-268062-15	FB-01-GW_20250507	Water	05/07/25 12:45	05/09/25 09:29
500-268062-16	FB-01-GW_20250507_FBLL	Water	05/07/25 12:45	05/09/25 09:29
500-268062-17	MW-35SB_20250507	Water	05/07/25 15:30	05/09/25 09:29
500-268062-18	MW-35SB_20250507_FBLL	Water	05/07/25 15:30	05/09/25 09:29
500-268062-19	FB-02_20250507	Water	05/07/25 18:00	05/09/25 09:29
500-268062-20	SMW-3_20250508	Water	05/08/25 09:30	05/09/25 09:29
500-268062-21	SMW-3_20250508_FBLL	Water	05/08/25 09:30	05/09/25 09:29
500-268062-22	SMW-3SB_20250508	Water	05/08/25 10:15	05/09/25 09:29
500-268062-23	SMW-3SB_20250508_FBLL	Water	05/08/25 10:15	05/09/25 09:29

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-268062-1

Client Sample ID: MW-5A_20250507

Date Collected: 05/07/25 11:45
Date Received: 05/09/25 09:29

Lab Sample ID: 500-268062-1

Matrix: Water

Method: EPA 1630 - Methyl Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		06/17/25 17:55	06/18/25 21:45	1

Method: EPA 1630 - Methyl Mercury - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		06/17/25 17:55	06/18/25 22:16	1

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.66**		0.50	0.20	ng/L			06/12/25 15:48	1

Method: EPA 1631E - Mercury, Low Level (CVAFS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.27**	**J**	0.50	0.20	ng/L			06/12/25 15:52	1

Method: EPA 1638 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**8.9**		0.050	0.0098	ug/L		05/27/25 13:44	05/27/25 23:07	1

Method: EPA 1638 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**9.2**		0.050	0.0098	ug/L		05/27/25 13:44	05/27/25 22:56	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<25		100	25	ug/L		05/13/25 08:21	05/15/25 18:53	1
Antimony	<1.3		3.0	1.3	ug/L		05/13/25 08:21	05/15/25 18:53	1
Arsenic	**0.35**	**J**	1.0	0.23	ug/L		05/13/25 08:21	05/15/25 18:53	1
Barium	**550**	**F1**	2.5	0.73	ug/L		05/13/25 08:21	05/15/25 18:53	1
Beryllium	<0.53		1.0	0.53	ug/L		05/13/25 08:21	05/15/25 18:53	1
Boron	**170**	**B**	50	13	ug/L		05/13/25 08:21	05/15/25 18:53	1
Cadmium	<0.17		0.50	0.17	ug/L		05/13/25 08:21	05/15/25 18:53	1
Calcium	**170000**		200	44	ug/L		05/13/25 08:21	05/15/25 18:53	1
Chromium	<1.1		5.0	1.1	ug/L		05/13/25 08:21	05/15/25 18:53	1
Cobalt	<0.40		1.0	0.40	ug/L		05/13/25 08:21	05/15/25 18:53	1
Copper	**1.6**	**J**	2.0	0.50	ug/L		05/13/25 08:21	05/15/25 18:53	1
Iron	**120**		100	47	ug/L		05/13/25 08:21	05/15/25 18:53	1
Lead	<0.19		0.50	0.19	ug/L		05/13/25 08:21	05/15/25 18:53	1
Lithium	**49**		10	2.5	ug/L		05/13/25 08:21	05/15/25 18:53	1
Magnesium	**13000**		200	49	ug/L		05/13/25 08:21	05/15/25 18:53	1
Manganese	**840**		2.5	0.79	ug/L		05/13/25 08:21	05/15/25 18:53	1
Molybdenum	<2.5		5.0	2.5	ug/L		05/13/25 08:21	05/15/25 18:53	1
Nickel	**0.96**	**J**	2.0	0.63	ug/L		05/13/25 08:21	05/15/25 18:53	1
Potassium	**430**	**J**	500	110	ug/L		05/13/25 08:21	05/15/25 18:53	1
Selenium	<0.98		2.5	0.98	ug/L		05/13/25 08:21	05/15/25 18:53	1
Silver	<0.12		0.50	0.12	ug/L		05/13/25 08:21	05/15/25 18:53	1
Sodium	**89000**		200	77	ug/L		05/13/25 08:21	05/15/25 18:53	1
Strontium	**3000**		4.0	0.64	ug/L		05/13/25 08:21	05/15/25 18:53	1
Thallium	<0.57		2.0	0.57	ug/L		05/13/25 08:21	05/15/25 18:53	1
Tin	**1.3**	**J**	5.0	1.3	ug/L		05/13/25 08:21	05/15/25 18:53	1
Vanadium	<2.2		5.0	2.2	ug/L		05/13/25 08:21	05/15/25 18:53	1
Zinc	<6.9		20	6.9	ug/L		05/13/25 08:21	05/15/25 18:53	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-268062-1

Client Sample ID: MW-5A_20250507
Date Collected: 05/07/25 11:45
Date Received: 05/09/25 09:29

Lab Sample ID: 500-268062-1
Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<25		100	25	ug/L		05/13/25 08:21	05/15/25 19:36	1
Antimony	<1.3		3.0	1.3	ug/L		05/13/25 08:21	05/15/25 19:36	1
Arsenic	**0.35**	**J**	1.0	0.23	ug/L		05/13/25 08:21	05/15/25 19:36	1
Barium	**560**		2.5	0.73	ug/L		05/13/25 08:21	05/15/25 19:36	1
Beryllium	<0.53		1.0	0.53	ug/L		05/13/25 08:21	05/15/25 19:36	1
Boron	**190**	**B**	50	13	ug/L		05/13/25 08:21	05/15/25 19:36	1
Cadmium	<0.17		0.50	0.17	ug/L		05/13/25 08:21	05/15/25 19:36	1
Calcium	**160000**		200	44	ug/L		05/13/25 08:21	05/15/25 19:36	1
Chromium	<1.1		5.0	1.1	ug/L		05/13/25 08:21	05/15/25 19:36	1
Cobalt	<0.40		1.0	0.40	ug/L		05/13/25 08:21	05/15/25 19:36	1
Copper	**0.89**	**J**	2.0	0.50	ug/L		05/13/25 08:21	05/15/25 19:36	1
Iron	**73**	**J**	100	47	ug/L		05/13/25 08:21	05/15/25 19:36	1
Lead	<0.19		0.50	0.19	ug/L		05/13/25 08:21	05/15/25 19:36	1
Lithium	**47**		10	2.5	ug/L		05/13/25 08:21	05/15/25 19:36	1
Magnesium	**12000**		200	49	ug/L		05/13/25 08:21	05/15/25 19:36	1
Manganese	**690**		2.5	0.79	ug/L		05/13/25 08:21	05/15/25 19:36	1
Molybdenum	<2.5		5.0	2.5	ug/L		05/13/25 08:21	05/15/25 19:36	1
Nickel	**1.2**	**J**	2.0	0.63	ug/L		05/13/25 08:21	05/15/25 19:36	1
Potassium	**430**	**J**	500	110	ug/L		05/13/25 08:21	05/15/25 19:36	1
Selenium	<0.98		2.5	0.98	ug/L		05/13/25 08:21	05/15/25 19:36	1
Silver	<0.12		0.50	0.12	ug/L		05/13/25 08:21	05/15/25 19:36	1
Sodium	**91000**		200	77	ug/L		05/13/25 08:21	05/15/25 19:36	1
Strontium	**3000**		4.0	0.64	ug/L		05/13/25 08:21	05/15/25 19:36	1
Thallium	<0.57		2.0	0.57	ug/L		05/13/25 08:21	05/15/25 19:36	1
Tin	<1.3		5.0	1.3	ug/L		05/13/25 08:21	05/15/25 19:36	1
Vanadium	<2.2		5.0	2.2	ug/L		05/13/25 08:21	05/15/25 19:36	1
Zinc	<6.9		20	6.9	ug/L		05/13/25 08:21	05/15/25 19:36	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**470**		0.91	0.46	mg/L		05/13/25 08:21	05/16/25 09:56	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	**2.2**		1.0	0.45	mg/L			05/09/25 15:23	1
Nitrate as N (EPA 300.0)	<0.37	H F1	1.0	0.37	mg/L			05/09/25 15:23	1
Chloride (EPA 300.0)	**230**		1.0	0.42	mg/L			05/09/25 15:23	1
Nitrite as N (EPA 300.0)	<0.25	H	1.0	0.25	mg/L			05/09/25 15:23	1
Fluoride (EPA 300.0)	<0.43		1.0	0.43	mg/L			05/09/25 15:23	1
Nitrate Nitrite as N (EPA 300.0)	<0.37	H F1	1.0	0.37	mg/L			05/09/25 15:23	1
Sulfate (EPA 300.0)	**3.7**		1.0	0.47	mg/L			05/09/25 15:23	1
Cyanide, Total (EPA 335.4)	<0.0036		0.0050	0.0036	mg/L		05/18/25 09:15	05/20/25 08:47	1
Ammonia (EPA 350.1)	<0.10		0.20	0.10	mg/L		05/30/25 13:00	05/31/25 08:25	1
Phosphorus as P (EPA 365.1)	<0.024		0.050	0.024	mg/L		05/16/25 09:56	05/19/25 11:35	1
Alkalinity (SM 2320B)	**340**		5.0	3.7	mg/L			05/20/25 10:42	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**340**		5.0	3.7	mg/L			05/20/25 10:42	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<3.7		5.0	3.7	mg/L			05/20/25 10:42	1
Salinity (SM 2520B)	**0.55**		0.33	0.33	psu			05/27/25 07:21	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-268062-1

Client Sample ID: MW-5A_20250507
Date Collected: 05/07/25 11:45
Date Received: 05/09/25 09:29

Lab Sample ID: 500-268062-1
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	880		10	4.3	mg/L			05/14/25 02:06	1
Total Suspended Solids (SM 2540D)	3.0	J	5.0	1.9	mg/L			05/09/25 15:08	1
Sulfide (SM 4500 S2 F)	<0.23		1.0	0.23	mg/L			05/14/25 00:51	1
Total Organic Carbon (SM 5310C)	2.6		1.0	0.47	mg/L			05/20/25 14:51	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon (SM 5310C)	2.8		1.0	0.47	mg/L			05/21/25 05:22	1

Client Sample Results

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-268062-1

Client Sample ID: MW-5A_20250507_FBLL
Date Collected: 05/07/25 11:45
Date Received: 05/09/25 09:29

Lab Sample ID: 500-268062-2
Matrix: Water

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			06/12/25 15:56	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-268062-1

Client Sample ID: MW-5SB_20250507

Date Collected: 05/07/25 12:45
Date Received: 05/09/25 09:29

Lab Sample ID: 500-268062-3

Matrix: Water

Method: EPA 1630 - Methyl Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		06/17/25 17:55	06/18/25 23:58	1

Method: EPA 1630 - Methyl Mercury - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		06/17/25 17:55	06/18/25 23:48	1

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.50**		0.50	0.20	ng/L			06/10/25 18:22	1

Method: EPA 1631E - Mercury, Low Level (CVAFS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.20**	**J**	0.50	0.20	ng/L			06/12/25 17:40	1

Method: EPA 1638 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.77**		0.050	0.0098	ug/L		05/27/25 13:44	05/27/25 23:36	1

Method: EPA 1638 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.71**		0.050	0.0098	ug/L		05/27/25 13:44	05/27/25 23:18	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**2900**		100	25	ug/L		05/13/25 08:21	05/15/25 19:09	1
Antimony	<1.3		3.0	1.3	ug/L		05/13/25 08:21	05/15/25 19:09	1
Arsenic	**0.53**	**J**	1.0	0.23	ug/L		05/13/25 08:21	05/15/25 19:09	1
Barium	**77**		2.5	0.73	ug/L		05/13/25 08:21	05/15/25 19:09	1
Beryllium	<0.53		1.0	0.53	ug/L		05/13/25 08:21	05/15/25 19:09	1
Boron	**340**	**B**	50	13	ug/L		05/13/25 08:21	05/15/25 19:09	1
Cadmium	<0.17		0.50	0.17	ug/L		05/13/25 08:21	05/15/25 19:09	1
Calcium	**22000**		200	44	ug/L		05/13/25 08:21	05/15/25 19:09	1
Chromium	**4.4**	**J**	5.0	1.1	ug/L		05/13/25 08:21	05/15/25 19:09	1
Cobalt	**1.2**		1.0	0.40	ug/L		05/13/25 08:21	05/15/25 19:09	1
Copper	**2.8**		2.0	0.50	ug/L		05/13/25 08:21	05/15/25 19:09	1
Iron	**2300**		100	47	ug/L		05/13/25 08:21	05/15/25 19:09	1
Lead	**1.3**		0.50	0.19	ug/L		05/13/25 08:21	05/15/25 19:09	1
Lithium	**69**		10	2.5	ug/L		05/13/25 08:21	05/15/25 19:09	1
Magnesium	**1100**		200	49	ug/L		05/13/25 08:21	05/15/25 19:09	1
Manganese	**72**		2.5	0.79	ug/L		05/13/25 08:21	05/15/25 19:09	1
Molybdenum	**96**		5.0	2.5	ug/L		05/13/25 08:21	05/15/25 19:09	1
Nickel	**2.6**		2.0	0.63	ug/L		05/13/25 08:21	05/15/25 19:09	1
Potassium	**1300**		500	110	ug/L		05/13/25 08:21	05/15/25 19:09	1
Selenium	<0.98		2.5	0.98	ug/L		05/13/25 08:21	05/15/25 19:09	1
Silver	<0.12		0.50	0.12	ug/L		05/13/25 08:21	05/15/25 19:09	1
Sodium	**250000**		200	77	ug/L		05/13/25 08:21	05/15/25 19:09	1
Strontium	**460**		4.0	0.64	ug/L		05/13/25 08:21	05/15/25 19:09	1
Thallium	<0.57		2.0	0.57	ug/L		05/13/25 08:21	05/15/25 19:09	1
Tin	**2.0**	**J**	5.0	1.3	ug/L		05/13/25 08:21	05/15/25 19:09	1
Vanadium	**6.7**		5.0	2.2	ug/L		05/13/25 08:21	05/15/25 19:09	1
Zinc	**7.6**	**J**	20	6.9	ug/L		05/13/25 08:21	05/15/25 19:09	1

Client Sample ID: MW-5SB_20250507
Date Collected: 05/07/25 12:45
Date Received: 05/09/25 09:29

Lab Sample ID: 500-268062-3
Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<25		100	25	ug/L		05/13/25 08:21	05/15/25 19:48	1
Antimony	<1.3		3.0	1.3	ug/L		05/13/25 08:21	05/15/25 19:48	1
Arsenic	**0.43**	**J**	1.0	0.23	ug/L		05/13/25 08:21	05/15/25 19:48	1
Barium	**49**		2.5	0.73	ug/L		05/13/25 08:21	05/15/25 19:48	1
Beryllium	<0.53		1.0	0.53	ug/L		05/13/25 08:21	05/15/25 19:48	1
Boron	**330**	**B**	50	13	ug/L		05/13/25 08:21	05/15/25 19:48	1
Cadmium	<0.17		0.50	0.17	ug/L		05/13/25 08:21	05/15/25 19:48	1
Calcium	**22000**		200	44	ug/L		05/13/25 08:21	05/15/25 19:48	1
Chromium	<1.1		5.0	1.1	ug/L		05/13/25 08:21	05/15/25 19:48	1
Cobalt	<0.40		1.0	0.40	ug/L		05/13/25 08:21	05/15/25 19:48	1
Copper	<0.50		2.0	0.50	ug/L		05/13/25 08:21	05/15/25 19:48	1
Iron	<47		100	47	ug/L		05/13/25 08:21	05/15/25 19:48	1
Lead	<0.19		0.50	0.19	ug/L		05/13/25 08:21	05/15/25 19:48	1
Lithium	**64**		10	2.5	ug/L		05/13/25 08:21	05/15/25 19:48	1
Magnesium	**310**		200	49	ug/L		05/13/25 08:21	05/15/25 19:48	1
Manganese	**25**		2.5	0.79	ug/L		05/13/25 08:21	05/15/25 19:48	1
Molybdenum	**95**		5.0	2.5	ug/L		05/13/25 08:21	05/15/25 19:48	1
Nickel	<0.63		2.0	0.63	ug/L		05/13/25 08:21	05/15/25 19:48	1
Potassium	**370**	**J**	500	110	ug/L		05/13/25 08:21	05/15/25 19:48	1
Selenium	<0.98		2.5	0.98	ug/L		05/13/25 08:21	05/15/25 19:48	1
Silver	<0.12		0.50	0.12	ug/L		05/13/25 08:21	05/15/25 19:48	1
Sodium	**250000**		200	77	ug/L		05/13/25 08:21	05/15/25 19:48	1
Strontium	**460**		4.0	0.64	ug/L		05/13/25 08:21	05/15/25 19:48	1
Thallium	<0.57		2.0	0.57	ug/L		05/13/25 08:21	05/15/25 19:48	1
Tin	**1.7**	**J**	5.0	1.3	ug/L		05/13/25 08:21	05/15/25 19:48	1
Vanadium	<2.2		5.0	2.2	ug/L		05/13/25 08:21	05/15/25 19:48	1
Zinc	<6.9		20	6.9	ug/L		05/13/25 08:21	05/15/25 19:48	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**60**		0.91	0.46	mg/L		05/13/25 08:21	05/16/25 09:56	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	**3.9**		1.0	0.45	mg/L			05/09/25 16:24	1
Nitrate as N (EPA 300.0)	<0.37	H	1.0	0.37	mg/L			05/09/25 16:24	1
Chloride (EPA 300.0)	**390**		20	8.4	mg/L			05/30/25 07:30	20
Nitrite as N (EPA 300.0)	<0.25	H	1.0	0.25	mg/L			05/09/25 16:24	1
Fluoride (EPA 300.0)	**1.4**		1.0	0.43	mg/L			05/09/25 16:24	1
Nitrate Nitrite as N (EPA 300.0)	<0.37	H	1.0	0.37	mg/L			05/09/25 16:24	1
Sulfate (EPA 300.0)	**36**		1.0	0.47	mg/L			05/09/25 16:24	1
Cyanide, Total (EPA 335.4)	<0.0036		0.0050	0.0036	mg/L		05/18/25 09:15	05/20/25 08:50	1
Ammonia (EPA 350.1)	<0.10		0.20	0.10	mg/L		05/30/25 13:00	05/31/25 08:27	1
Phosphorus as P (EPA 365.1)	**0.059**		0.050	0.024	mg/L		05/16/25 09:56	05/19/25 11:38	1
Alkalinity (SM 2320B)	**42**		5.0	3.7	mg/L			05/20/25 10:52	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**36**		5.0	3.7	mg/L			05/20/25 10:52	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	**6.0**		5.0	3.7	mg/L			05/20/25 10:52	1
Salinity (SM 2520B)	**0.63**		0.33	0.33	psu			05/27/25 07:21	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-268062-1

Client Sample ID: MW-5SB_20250507
Date Collected: 05/07/25 12:45
Date Received: 05/09/25 09:29

Lab Sample ID: 500-268062-3
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**700**		10	4.3	mg/L			05/14/25 02:14	1
Total Suspended Solids (SM 2540D)	**4.8**	**J**	5.0	1.9	mg/L			05/09/25 14:27	1
Sulfide (SM 4500 S2 F)	<0.23		1.0	0.23	mg/L			05/14/25 01:03	1
Total Organic Carbon (SM 5310C)	<0.47		1.0	0.47	mg/L			05/20/25 16:28	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon (SM 5310C)	<0.47		1.0	0.47	mg/L			05/21/25 06:59	1

Client Sample Results

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-268062-1

Client Sample ID: MW-5SB_20250507_FBLL
Date Collected: 05/07/25 12:45
Date Received: 05/09/25 09:29

Lab Sample ID: 500-268062-4
Matrix: Water

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	1.4		0.50	0.20	ng/L			06/10/25 18:26	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-268062-1

Client Sample ID: MW-42_20250507

Date Collected: 05/07/25 15:00
Date Received: 05/09/25 09:29

Lab Sample ID: 500-268062-5

Matrix: Water

Method: EPA 1630 - Methyl Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		06/17/25 17:55	06/19/25 00:18	1

Method: EPA 1630 - Methyl Mercury - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		06/17/25 17:55	06/19/25 00:08	1

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**3.3**		0.50	0.20	ng/L			06/10/25 18:30	1

Method: EPA 1631E - Mercury, Low Level (CVAFS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**1.6**		0.50	0.20	ng/L			06/12/25 17:44	1

Method: EPA 1638 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**7.1**		0.050	0.0098	ug/L		05/27/25 13:44	05/27/25 23:40	1

Method: EPA 1638 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**7.0**		0.050	0.0098	ug/L		05/27/25 13:44	05/27/25 23:21	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**1000**		100	25	ug/L		05/13/25 08:21	05/15/25 19:12	1
Antimony	<1.3		3.0	1.3	ug/L		05/13/25 08:21	05/15/25 19:12	1
Arsenic	**4.4**		1.0	0.23	ug/L		05/13/25 08:21	05/15/25 19:12	1
Barium	**14**		2.5	0.73	ug/L		05/13/25 08:21	05/15/25 19:12	1
Beryllium	<0.53		1.0	0.53	ug/L		05/13/25 08:21	05/15/25 19:12	1
Boron	**680**	**B**	50	13	ug/L		05/13/25 08:21	05/15/25 19:12	1
Cadmium	<0.17		0.50	0.17	ug/L		05/13/25 08:21	05/15/25 19:12	1
Calcium	**2800**		200	44	ug/L		05/13/25 08:21	05/15/25 19:12	1
Chromium	**1.6**	**J**	5.0	1.1	ug/L		05/13/25 08:21	05/15/25 19:12	1
Cobalt	**0.45**	**J**	1.0	0.40	ug/L		05/13/25 08:21	05/15/25 19:12	1
Copper	**5.2**		2.0	0.50	ug/L		05/13/25 08:21	05/15/25 19:12	1
Iron	**770**		100	47	ug/L		05/13/25 08:21	05/15/25 19:12	1
Lead	**0.31**	**J**	0.50	0.19	ug/L		05/13/25 08:21	05/15/25 19:12	1
Lithium	**12**		10	2.5	ug/L		05/13/25 08:21	05/15/25 19:12	1
Magnesium	**380**		200	49	ug/L		05/13/25 08:21	05/15/25 19:12	1
Manganese	**21**		2.5	0.79	ug/L		05/13/25 08:21	05/15/25 19:12	1
Molybdenum	**11**		5.0	2.5	ug/L		05/13/25 08:21	05/15/25 19:12	1
Nickel	**1.0**	**J**	2.0	0.63	ug/L		05/13/25 08:21	05/15/25 19:12	1
Potassium	**460**	**J**	500	110	ug/L		05/13/25 08:21	05/15/25 19:12	1
Selenium	<0.98		2.5	0.98	ug/L		05/13/25 08:21	05/15/25 19:12	1
Silver	<0.12		0.50	0.12	ug/L		05/13/25 08:21	05/15/25 19:12	1
Sodium	**69000**		200	77	ug/L		05/13/25 08:21	05/15/25 19:12	1
Strontium	**37**		4.0	0.64	ug/L		05/13/25 08:21	05/15/25 19:12	1
Thallium	<0.57		2.0	0.57	ug/L		05/13/25 08:21	05/15/25 19:12	1
Tin	<1.3		5.0	1.3	ug/L		05/13/25 08:21	05/15/25 19:12	1
Vanadium	**20**		5.0	2.2	ug/L		05/13/25 08:21	05/15/25 19:12	1
Zinc	<6.9		20	6.9	ug/L		05/13/25 08:21	05/15/25 19:12	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-268062-1

Client Sample ID: MW-42_20250507

Date Collected: 05/07/25 15:00
Date Received: 05/09/25 09:29

Lab Sample ID: 500-268062-5

Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**26**	**J**	100	25	ug/L		05/13/25 08:21	05/15/25 19:51	1
Antimony	<1.3		3.0	1.3	ug/L		05/13/25 08:21	05/15/25 19:51	1
Arsenic	**4.3**		1.0	0.23	ug/L		05/13/25 08:21	05/15/25 19:51	1
Barium	**4.5**		2.5	0.73	ug/L		05/13/25 08:21	05/15/25 19:51	1
Beryllium	<0.53		1.0	0.53	ug/L		05/13/25 08:21	05/15/25 19:51	1
Boron	**660**	**B**	50	13	ug/L		05/13/25 08:21	05/15/25 19:51	1
Cadmium	<0.17		0.50	0.17	ug/L		05/13/25 08:21	05/15/25 19:51	1
Calcium	**2600**		200	44	ug/L		05/13/25 08:21	05/15/25 19:51	1
Chromium	<1.1		5.0	1.1	ug/L		05/13/25 08:21	05/15/25 19:51	1
Cobalt	<0.40		1.0	0.40	ug/L		05/13/25 08:21	05/15/25 19:51	1
Copper	**3.0**		2.0	0.50	ug/L		05/13/25 08:21	05/15/25 19:51	1
Iron	<47		100	47	ug/L		05/13/25 08:21	05/15/25 19:51	1
Lead	<0.19		0.50	0.19	ug/L		05/13/25 08:21	05/15/25 19:51	1
Lithium	**12**		10	2.5	ug/L		05/13/25 08:21	05/15/25 19:51	1
Magnesium	**130**	**J**	200	49	ug/L		05/13/25 08:21	05/15/25 19:51	1
Manganese	<0.79		2.5	0.79	ug/L		05/13/25 08:21	05/15/25 19:51	1
Molybdenum	**11**		5.0	2.5	ug/L		05/13/25 08:21	05/15/25 19:51	1
Nickel	<0.63		2.0	0.63	ug/L		05/13/25 08:21	05/15/25 19:51	1
Potassium	**170**	**J**	500	110	ug/L		05/13/25 08:21	05/15/25 19:51	1
Selenium	<0.98		2.5	0.98	ug/L		05/13/25 08:21	05/15/25 19:51	1
Silver	<0.12		0.50	0.12	ug/L		05/13/25 08:21	05/15/25 19:51	1
Sodium	**69000**		200	77	ug/L		05/13/25 08:21	05/15/25 19:51	1
Strontium	**35**		4.0	0.64	ug/L		05/13/25 08:21	05/15/25 19:51	1
Thallium	<0.57		2.0	0.57	ug/L		05/13/25 08:21	05/15/25 19:51	1
Tin	<1.3		5.0	1.3	ug/L		05/13/25 08:21	05/15/25 19:51	1
Vanadium	**18**		5.0	2.2	ug/L		05/13/25 08:21	05/15/25 19:51	1
Zinc	<6.9		20	6.9	ug/L		05/13/25 08:21	05/15/25 19:51	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**8.5**		0.91	0.46	mg/L		05/13/25 08:21	05/16/25 09:56	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	<0.45		1.0	0.45	mg/L			05/09/25 13:21	1
Nitrate as N (EPA 300.0)	<0.37		1.0	0.37	mg/L			05/09/25 13:21	1
Chloride (EPA 300.0)	**1.2**		1.0	0.42	mg/L			05/09/25 13:21	1
Nitrite as N (EPA 300.0)	<0.25		1.0	0.25	mg/L			05/09/25 13:21	1
Fluoride (EPA 300.0)	**1.3**		1.0	0.43	mg/L			05/09/25 13:21	1
Nitrate Nitrite as N (EPA 300.0)	<0.37		1.0	0.37	mg/L			05/09/25 13:21	1
Sulfate (EPA 300.0)	**15**		1.0	0.47	mg/L			05/09/25 13:21	1
Cyanide, Total (EPA 335.4)	<0.0036		0.0050	0.0036	mg/L		05/18/25 09:15	05/20/25 08:51	1
Ammonia (EPA 350.1)	<0.10		0.20	0.10	mg/L		05/30/25 13:00	05/31/25 08:27	1
Phosphorus as P (EPA 365.1)	**0.36**		0.050	0.024	mg/L		05/16/25 09:56	05/19/25 11:39	1
Alkalinity (SM 2320B)	**140**		5.0	3.7	mg/L			05/20/25 11:00	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**120**		5.0	3.7	mg/L			05/20/25 11:00	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	**18**		5.0	3.7	mg/L			05/20/25 11:00	1
Salinity (SM 2520B)	<0.33		0.33	0.33	psu			05/27/25 07:21	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-268062-1

Client Sample ID: MW-42_20250507
Date Collected: 05/07/25 15:00
Date Received: 05/09/25 09:29

Lab Sample ID: 500-268062-5
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**170**		10	4.3	mg/L			05/14/25 02:19	1
Total Suspended Solids (SM 2540D)	<1.9		5.0	1.9	mg/L			05/09/25 14:41	1
Sulfide (SM 4500 S2 F)	<0.23		1.0	0.23	mg/L			05/14/25 01:07	1
Total Organic Carbon (SM 5310C)	**2.4**		1.0	0.47	mg/L			05/20/25 17:00	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon (SM 5310C)	**3.7**		1.0	0.47	mg/L			05/21/25 08:36	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-268062-1

Client Sample ID: MW-42_20250507_FBLL
Date Collected: 05/07/25 15:00
Date Received: 05/09/25 09:29

Lab Sample ID: 500-268062-6
Matrix: Water

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.55		0.50	0.20	ng/L			06/10/25 18:34	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-268062-1

Client Sample ID: MW-38_20250507

Date Collected: 05/07/25 14:30
Date Received: 05/09/25 09:29

Lab Sample ID: 500-268062-7

Matrix: Water

Method: EPA 1630 - Methyl Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		06/17/25 17:55	06/19/25 00:39	1

Method: EPA 1630 - Methyl Mercury - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		06/17/25 17:55	06/19/25 00:28	1

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.85**		0.50	0.20	ng/L			06/10/25 18:38	1

Method: EPA 1631E - Mercury, Low Level (CVAFS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.49**	**J**	0.50	0.20	ng/L			06/12/25 17:48	1

Method: EPA 1638 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**4.4**		0.050	0.0098	ug/L		05/27/25 13:44	05/27/25 23:44	1

Method: EPA 1638 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**4.3**		0.050	0.0098	ug/L		05/27/25 13:44	05/27/25 23:33	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**42**	**J**	100	25	ug/L		05/13/25 08:21	05/15/25 19:14	1
Antimony	<1.3		3.0	1.3	ug/L		05/13/25 08:21	05/15/25 19:14	1
Arsenic	**0.63**	**J**	1.0	0.23	ug/L		05/13/25 08:21	05/15/25 19:14	1
Barium	**64**		2.5	0.73	ug/L		05/13/25 08:21	05/15/25 19:14	1
Beryllium	<0.53		1.0	0.53	ug/L		05/13/25 08:21	05/15/25 19:14	1
Boron	**350**	**B**	50	13	ug/L		05/13/25 08:21	05/15/25 19:14	1
Cadmium	<0.17		0.50	0.17	ug/L		05/13/25 08:21	05/15/25 19:14	1
Calcium	**23000**		200	44	ug/L		05/13/25 08:21	05/15/25 19:14	1
Chromium	<1.1		5.0	1.1	ug/L		05/13/25 08:21	05/15/25 19:14	1
Cobalt	<0.40		1.0	0.40	ug/L		05/13/25 08:21	05/15/25 19:14	1
Copper	**2.7**		2.0	0.50	ug/L		05/13/25 08:21	05/15/25 19:14	1
Iron	**65**	**J**	100	47	ug/L		05/13/25 08:21	05/15/25 19:14	1
Lead	<0.19		0.50	0.19	ug/L		05/13/25 08:21	05/15/25 19:14	1
Lithium	**28**		10	2.5	ug/L		05/13/25 08:21	05/15/25 19:14	1
Magnesium	**1400**		200	49	ug/L		05/13/25 08:21	05/15/25 19:14	1
Manganese	**55**		2.5	0.79	ug/L		05/13/25 08:21	05/15/25 19:14	1
Molybdenum	**25**		5.0	2.5	ug/L		05/13/25 08:21	05/15/25 19:14	1
Nickel	<0.63		2.0	0.63	ug/L		05/13/25 08:21	05/15/25 19:14	1
Potassium	**660**		500	110	ug/L		05/13/25 08:21	05/15/25 19:14	1
Selenium	<0.98		2.5	0.98	ug/L		05/13/25 08:21	05/15/25 19:14	1
Silver	<0.12		0.50	0.12	ug/L		05/13/25 08:21	05/15/25 19:14	1
Sodium	**80000**		200	77	ug/L		05/13/25 08:21	05/15/25 19:14	1
Strontium	**390**		4.0	0.64	ug/L		05/13/25 08:21	05/15/25 19:14	1
Thallium	<0.57		2.0	0.57	ug/L		05/13/25 08:21	05/15/25 19:14	1
Tin	<1.3		5.0	1.3	ug/L		05/13/25 08:21	05/15/25 19:14	1
Vanadium	**8.9**		5.0	2.2	ug/L		05/13/25 08:21	05/15/25 19:14	1
Zinc	<6.9		20	6.9	ug/L		05/13/25 08:21	05/15/25 19:14	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-268062-1

Client Sample ID: MW-38_20250507
Date Collected: 05/07/25 14:30
Date Received: 05/09/25 09:29

Lab Sample ID: 500-268062-7
Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<25		100	25	ug/L		05/13/25 08:21	05/15/25 19:53	1
Antimony	<1.3		3.0	1.3	ug/L		05/13/25 08:21	05/15/25 19:53	1
Arsenic	**0.60**	**J**	1.0	0.23	ug/L		05/13/25 08:21	05/15/25 19:53	1
Barium	**62**		2.5	0.73	ug/L		05/13/25 08:21	05/15/25 19:53	1
Beryllium	<0.53		1.0	0.53	ug/L		05/13/25 08:21	05/15/25 19:53	1
Boron	**360**	**B**	50	13	ug/L		05/13/25 08:21	05/15/25 19:53	1
Cadmium	<0.17		0.50	0.17	ug/L		05/13/25 08:21	05/15/25 19:53	1
Calcium	**23000**		200	44	ug/L		05/13/25 08:21	05/15/25 19:53	1
Chromium	<1.1		5.0	1.1	ug/L		05/13/25 08:21	05/15/25 19:53	1
Cobalt	<0.40		1.0	0.40	ug/L		05/13/25 08:21	05/15/25 19:53	1
Copper	**2.2**		2.0	0.50	ug/L		05/13/25 08:21	05/15/25 19:53	1
Iron	<47		100	47	ug/L		05/13/25 08:21	05/15/25 19:53	1
Lead	<0.19		0.50	0.19	ug/L		05/13/25 08:21	05/15/25 19:53	1
Lithium	**29**		10	2.5	ug/L		05/13/25 08:21	05/15/25 19:53	1
Magnesium	**1400**		200	49	ug/L		05/13/25 08:21	05/15/25 19:53	1
Manganese	**1.9**	**J**	2.5	0.79	ug/L		05/13/25 08:21	05/15/25 19:53	1
Molybdenum	**26**		5.0	2.5	ug/L		05/13/25 08:21	05/15/25 19:53	1
Nickel	<0.63		2.0	0.63	ug/L		05/13/25 08:21	05/15/25 19:53	1
Potassium	**640**		500	110	ug/L		05/13/25 08:21	05/15/25 19:53	1
Selenium	<0.98		2.5	0.98	ug/L		05/13/25 08:21	05/15/25 19:53	1
Silver	<0.12		0.50	0.12	ug/L		05/13/25 08:21	05/15/25 19:53	1
Sodium	**82000**		200	77	ug/L		05/13/25 08:21	05/15/25 19:53	1
Strontium	**390**		4.0	0.64	ug/L		05/13/25 08:21	05/15/25 19:53	1
Thallium	<0.57		2.0	0.57	ug/L		05/13/25 08:21	05/15/25 19:53	1
Tin	<1.3		5.0	1.3	ug/L		05/13/25 08:21	05/15/25 19:53	1
Vanadium	**8.4**		5.0	2.2	ug/L		05/13/25 08:21	05/15/25 19:53	1
Zinc	<6.9		20	6.9	ug/L		05/13/25 08:21	05/15/25 19:53	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**62**		0.91	0.46	mg/L		05/13/25 08:21	05/16/25 09:56	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	<0.45		1.0	0.45	mg/L			05/09/25 12:35	1
Nitrate as N (EPA 300.0)	<0.37	F1	1.0	0.37	mg/L			05/09/25 12:35	1
Chloride (EPA 300.0)	**29**		1.0	0.42	mg/L			05/09/25 12:35	1
Nitrite as N (EPA 300.0)	<0.25		1.0	0.25	mg/L			05/09/25 12:35	1
Fluoride (EPA 300.0)	**0.88**	**J**	1.0	0.43	mg/L			05/09/25 12:35	1
Nitrate Nitrite as N (EPA 300.0)	<0.37	F1	1.0	0.37	mg/L			05/09/25 12:35	1
Sulfate (EPA 300.0)	**16**		1.0	0.47	mg/L			05/09/25 12:35	1
Cyanide, Total (EPA 335.4)	<0.0036	F1	0.0050	0.0036	mg/L		05/19/25 14:51	05/20/25 08:18	1
Ammonia (EPA 350.1)	<0.10		0.20	0.10	mg/L		05/30/25 13:00	05/31/25 08:28	1
Phosphorus as P (EPA 365.1)	<0.024		0.050	0.024	mg/L		05/16/25 09:56	05/19/25 11:40	1
Alkalinity (SM 2320B)	**180**		5.0	3.7	mg/L			05/20/25 11:09	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**180**		5.0	3.7	mg/L			05/20/25 11:09	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<3.7		5.0	3.7	mg/L			05/20/25 11:09	1
Salinity (SM 2520B)	<0.33		0.33	0.33	psu			05/27/25 07:22	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-268062-1

Client Sample ID: MW-38_20250507
Date Collected: 05/07/25 14:30
Date Received: 05/09/25 09:29

Lab Sample ID: 500-268062-7
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**250**		10	4.3	mg/L			05/14/25 02:21	1
Total Suspended Solids (SM 2540D)	<1.9		5.0	1.9	mg/L			05/09/25 14:32	1
Sulfide (SM 4500 S2 F)	<0.23		1.0	0.23	mg/L			05/14/25 01:11	1
Total Organic Carbon (SM 5310C)	**2.8**		1.0	0.47	mg/L			05/20/25 17:32	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon (SM 5310C)	**2.7**		1.0	0.47	mg/L			05/21/25 09:08	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-268062-1

Client Sample ID: MW-38_20250507_FBLL
Date Collected: 05/07/25 14:30
Date Received: 05/09/25 09:29

Lab Sample ID: 500-268062-8
Matrix: Water

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			06/10/25 18:51	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-268062-1

Client Sample ID: PRC-01_20250507

Date Collected: 05/07/25 17:00
Date Received: 05/09/25 09:29

Lab Sample ID: 500-268062-9

Matrix: Water

Method: EPA 1630 - Methyl Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		06/17/25 17:55	06/18/25 22:56	1

Method: EPA 1630 - Methyl Mercury - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		06/17/25 17:55	06/18/25 22:46	1

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.58**		0.50	0.20	ng/L			06/10/25 18:55	1

Method: EPA 1631E - Mercury, Low Level (CVAFS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.35**	**J**	0.50	0.20	ng/L			06/12/25 17:52	1

Method: EPA 1638 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.33**		0.050	0.0098	ug/L		05/29/25 11:17	05/29/25 21:54	1

Method: EPA 1638 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.31**		0.050	0.0098	ug/L		05/29/25 13:00	05/29/25 20:55	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**320**		100	25	ug/L		05/13/25 08:21	05/15/25 19:17	1
Antimony	<1.3		3.0	1.3	ug/L		05/13/25 08:21	05/15/25 19:17	1
Arsenic	**0.60**	**J**	1.0	0.23	ug/L		05/13/25 08:21	05/15/25 19:17	1
Barium	**72**		2.5	0.73	ug/L		05/13/25 08:21	05/15/25 19:17	1
Beryllium	<0.53		1.0	0.53	ug/L		05/13/25 08:21	05/15/25 19:17	1
Boron	**130**	**B**	50	13	ug/L		05/13/25 08:21	05/15/25 19:17	1
Cadmium	<0.17		0.50	0.17	ug/L		05/13/25 08:21	05/15/25 19:17	1
Calcium	**49000**		200	44	ug/L		05/13/25 08:21	05/15/25 19:17	1
Chromium	<1.1		5.0	1.1	ug/L		05/13/25 08:21	05/15/25 19:17	1
Cobalt	<0.40		1.0	0.40	ug/L		05/13/25 08:21	05/15/25 19:17	1
Copper	**40**		2.0	0.50	ug/L		05/13/25 08:21	05/15/25 19:17	1
Iron	**530**		100	47	ug/L		05/13/25 08:21	05/15/25 19:17	1
Lead	<0.19		0.50	0.19	ug/L		05/13/25 08:21	05/15/25 19:17	1
Lithium	**19**		10	2.5	ug/L		05/13/25 08:21	05/15/25 19:17	1
Magnesium	**6000**		200	49	ug/L		05/13/25 08:21	05/15/25 19:17	1
Manganese	**88**		2.5	0.79	ug/L		05/13/25 08:21	05/15/25 19:17	1
Molybdenum	**25**		5.0	2.5	ug/L		05/13/25 08:21	05/15/25 19:17	1
Nickel	**0.68**	**J**	2.0	0.63	ug/L		05/13/25 08:21	05/15/25 19:17	1
Potassium	**3600**		500	110	ug/L		05/13/25 08:21	05/15/25 19:17	1
Selenium	<0.98		2.5	0.98	ug/L		05/13/25 08:21	05/15/25 19:17	1
Silver	<0.12		0.50	0.12	ug/L		05/13/25 08:21	05/15/25 19:17	1
Sodium	**26000**		200	77	ug/L		05/13/25 08:21	05/15/25 19:17	1
Strontium	**450**		4.0	0.64	ug/L		05/13/25 08:21	05/15/25 19:17	1
Thallium	<0.57		2.0	0.57	ug/L		05/13/25 08:21	05/15/25 19:17	1
Tin	<1.3		5.0	1.3	ug/L		05/13/25 08:21	05/15/25 19:17	1
Vanadium	<2.2		5.0	2.2	ug/L		05/13/25 08:21	05/15/25 19:17	1
Zinc	<6.9		20	6.9	ug/L		05/13/25 08:21	05/15/25 19:17	1

Client Sample ID: PRC-01_20250507
Date Collected: 05/07/25 17:00
Date Received: 05/09/25 09:29

Lab Sample ID: 500-268062-9
Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<25		100	25	ug/L		05/13/25 08:21	05/15/25 19:56	1
Antimony	<1.3		3.0	1.3	ug/L		05/13/25 08:21	05/15/25 19:56	1
Arsenic	**0.57**	**J**	1.0	0.23	ug/L		05/13/25 08:21	05/15/25 19:56	1
Barium	**69**		2.5	0.73	ug/L		05/13/25 08:21	05/15/25 19:56	1
Beryllium	<0.53		1.0	0.53	ug/L		05/13/25 08:21	05/15/25 19:56	1
Boron	**120**	**B**	50	13	ug/L		05/13/25 08:21	05/15/25 19:56	1
Cadmium	<0.17		0.50	0.17	ug/L		05/13/25 08:21	05/15/25 19:56	1
Calcium	**49000**		200	44	ug/L		05/13/25 08:21	05/15/25 19:56	1
Chromium	<1.1		5.0	1.1	ug/L		05/13/25 08:21	05/15/25 19:56	1
Cobalt	<0.40		1.0	0.40	ug/L		05/13/25 08:21	05/15/25 19:56	1
Copper	**20**		2.0	0.50	ug/L		05/13/25 08:21	05/15/25 19:56	1
Iron	<47		100	47	ug/L		05/13/25 08:21	05/15/25 19:56	1
Lead	<0.19		0.50	0.19	ug/L		05/13/25 08:21	05/15/25 19:56	1
Lithium	**18**		10	2.5	ug/L		05/13/25 08:21	05/15/25 19:56	1
Magnesium	**5600**		200	49	ug/L		05/13/25 08:21	05/15/25 19:56	1
Manganese	**55**		2.5	0.79	ug/L		05/13/25 08:21	05/15/25 19:56	1
Molybdenum	**25**		5.0	2.5	ug/L		05/13/25 08:21	05/15/25 19:56	1
Nickel	<0.63		2.0	0.63	ug/L		05/13/25 08:21	05/15/25 19:56	1
Potassium	**3500**		500	110	ug/L		05/13/25 08:21	05/15/25 19:56	1
Selenium	<0.98		2.5	0.98	ug/L		05/13/25 08:21	05/15/25 19:56	1
Silver	<0.12		0.50	0.12	ug/L		05/13/25 08:21	05/15/25 19:56	1
Sodium	**25000**		200	77	ug/L		05/13/25 08:21	05/15/25 19:56	1
Strontium	**450**		4.0	0.64	ug/L		05/13/25 08:21	05/15/25 19:56	1
Thallium	<0.57		2.0	0.57	ug/L		05/13/25 08:21	05/15/25 19:56	1
Tin	<1.3		5.0	1.3	ug/L		05/13/25 08:21	05/15/25 19:56	1
Vanadium	<2.2		5.0	2.2	ug/L		05/13/25 08:21	05/15/25 19:56	1
Zinc	<6.9		20	6.9	ug/L		05/13/25 08:21	05/15/25 19:56	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**150**		0.91	0.46	mg/L		05/13/25 08:21	05/16/25 09:56	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	**0.78**	**J**	1.0	0.45	mg/L			05/09/25 13:36	1
Nitrate as N (EPA 300.0)	<0.37		1.0	0.37	mg/L			05/09/25 13:36	1
Chloride (EPA 300.0)	**71**		1.0	0.42	mg/L			05/09/25 13:36	1
Nitrite as N (EPA 300.0)	<0.25		1.0	0.25	mg/L			05/09/25 13:36	1
Fluoride (EPA 300.0)	<0.43		1.0	0.43	mg/L			05/09/25 13:36	1
Nitrate Nitrite as N (EPA 300.0)	<0.37		1.0	0.37	mg/L			05/09/25 13:36	1
Sulfate (EPA 300.0)	**15**		1.0	0.47	mg/L			05/09/25 13:36	1
Cyanide, Total (EPA 335.4)	<0.0036		0.0050	0.0036	mg/L		05/19/25 14:51	05/20/25 08:23	1
Ammonia (EPA 350.1)	<0.10		0.20	0.10	mg/L		05/30/25 13:00	05/31/25 08:28	1
Phosphorus as P (EPA 365.1)	<0.024		0.050	0.024	mg/L		05/27/25 09:39	05/29/25 11:04	1
Alkalinity (SM 2320B)	**100**		5.0	3.7	mg/L			05/20/25 11:18	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**100**		5.0	3.7	mg/L			05/20/25 11:18	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<3.7		5.0	3.7	mg/L			05/20/25 11:18	1
Salinity (SM 2520B)	<0.33		0.33	0.33	psu			06/02/25 10:43	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-268062-1

Client Sample ID: PRC-01_20250507
Date Collected: 05/07/25 17:00
Date Received: 05/09/25 09:29

Lab Sample ID: 500-268062-9
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	210		10	4.3	mg/L			05/14/25 02:24	1
Total Suspended Solids (SM 2540D)	4.0	J	5.0	1.9	mg/L			05/09/25 14:45	1
Sulfide (SM 4500 S2 F)	<0.23		1.0	0.23	mg/L			05/14/25 01:15	1
Total Organic Carbon (SM 5310C)	3.8		1.0	0.47	mg/L			05/20/25 18:05	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon (SM 5310C)	4.1		1.0	0.47	mg/L			05/21/25 09:40	1

Client: White Pine Copper LLC
Job ID: 500-268062-1
Project/Site: White Pines, MI

Client Sample ID: PRC-01_20250507_FBLL
Lab Sample ID: 500-268062-10
Date Collected: 05/07/25 17:00
Matrix: Water
Date Received: 05/09/25 09:29

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			06/10/25 18:59	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-268062-1

Client Sample ID: MW-10_20250507

Lab Sample ID: 500-268062-11

Date Collected: 05/07/25 16:00

Matrix: Water

Date Received: 05/09/25 09:29

Method: EPA 1630 - Methyl Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	0.038	J	0.050	0.022	ng/L		06/17/25 17:55	06/18/25 23:17	1

Method: EPA 1630 - Methyl Mercury - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	0.025	J	0.050	0.022	ng/L		06/17/25 17:55	06/18/25 23:07	1

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	4.4		0.50	0.20	ng/L			06/10/25 19:03	1

Method: EPA 1631E - Mercury, Low Level (CVAFS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.99		0.50	0.20	ng/L			06/12/25 17:57	1

Method: EPA 1638 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	6.9		0.050	0.0098	ug/L		05/29/25 11:17	05/29/25 22:13	1

Method: EPA 1638 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	6.7		0.050	0.0098	ug/L		05/29/25 13:00	05/29/25 20:59	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	130		100	25	ug/L		05/13/25 08:21	05/15/25 19:19	1
Antimony	<1.3		3.0	1.3	ug/L		05/13/25 08:21	05/15/25 19:19	1
Arsenic	0.43	J	1.0	0.23	ug/L		05/13/25 08:21	05/15/25 19:19	1
Barium	3000		2.5	0.73	ug/L		05/13/25 08:21	05/15/25 19:19	1
Beryllium	<0.53		1.0	0.53	ug/L		05/13/25 08:21	05/15/25 19:19	1
Boron	150	B	50	13	ug/L		05/13/25 08:21	05/15/25 19:19	1
Cadmium	0.27	J	0.50	0.17	ug/L		05/13/25 08:21	05/15/25 19:19	1
Calcium	310000		1000	220	ug/L		05/13/25 08:21	05/16/25 12:53	5
Chromium	<1.1		5.0	1.1	ug/L		05/13/25 08:21	05/15/25 19:19	1
Cobalt	0.90	J	1.0	0.40	ug/L		05/13/25 08:21	05/15/25 19:19	1
Copper	3.7		2.0	0.50	ug/L		05/13/25 08:21	05/15/25 19:19	1
Iron	1400		100	47	ug/L		05/13/25 08:21	05/15/25 19:19	1
Lead	0.29	J	0.50	0.19	ug/L		05/13/25 08:21	05/15/25 19:19	1
Lithium	61		10	2.5	ug/L		05/13/25 08:21	05/15/25 19:19	1
Magnesium	90000		200	49	ug/L		05/13/25 08:21	05/15/25 19:19	1
Manganese	3400		2.5	0.79	ug/L		05/13/25 08:21	05/15/25 19:19	1
Molybdenum	<2.5		5.0	2.5	ug/L		05/13/25 08:21	05/15/25 19:19	1
Nickel	1.7	J	2.0	0.63	ug/L		05/13/25 08:21	05/15/25 19:19	1
Potassium	1200		500	110	ug/L		05/13/25 08:21	05/15/25 19:19	1
Selenium	<0.98		2.5	0.98	ug/L		05/13/25 08:21	05/15/25 19:19	1
Silver	<0.12		0.50	0.12	ug/L		05/13/25 08:21	05/15/25 19:19	1
Sodium	36000		200	77	ug/L		05/13/25 08:21	05/15/25 19:19	1
Strontium	3200		4.0	0.64	ug/L		05/13/25 08:21	05/15/25 19:19	1
Thallium	<0.57		2.0	0.57	ug/L		05/13/25 08:21	05/15/25 19:19	1
Tin	1.4	J	5.0	1.3	ug/L		05/13/25 08:21	05/15/25 19:19	1
Vanadium	4.4	J	5.0	2.2	ug/L		05/13/25 08:21	05/15/25 19:19	1
Zinc	<6.9		20	6.9	ug/L		05/13/25 08:21	05/15/25 19:19	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-268062-1

Client Sample ID: MW-10_20250507
Date Collected: 05/07/25 16:00
Date Received: 05/09/25 09:29

Lab Sample ID: 500-268062-11
Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<25		100	25	ug/L		05/13/25 08:21	05/15/25 20:03	1
Antimony	<1.3		3.0	1.3	ug/L		05/13/25 08:21	05/15/25 20:03	1
Arsenic	**0.24**	**J**	1.0	0.23	ug/L		05/13/25 08:21	05/15/25 20:03	1
Barium	**3100**		2.5	0.73	ug/L		05/13/25 08:21	05/15/25 20:03	1
Beryllium	<0.53		1.0	0.53	ug/L		05/13/25 08:21	05/15/25 20:03	1
Boron	**170**	**B**	50	13	ug/L		05/13/25 08:21	05/16/25 12:55	1
Cadmium	<0.17		0.50	0.17	ug/L		05/13/25 08:21	05/15/25 20:03	1
Calcium	**320000**		1000	220	ug/L		05/13/25 08:21	05/16/25 12:58	5
Chromium	<1.1		5.0	1.1	ug/L		05/13/25 08:21	05/15/25 20:03	1
Cobalt	**0.77**	**J**	1.0	0.40	ug/L		05/13/25 08:21	05/15/25 20:03	1
Copper	<0.50		2.0	0.50	ug/L		05/13/25 08:21	05/15/25 20:03	1
Iron	**1000**		100	47	ug/L		05/13/25 08:21	05/15/25 20:03	1
Lead	<0.19		0.50	0.19	ug/L		05/13/25 08:21	05/15/25 20:03	1
Lithium	**61**		10	2.5	ug/L		05/13/25 08:21	05/15/25 20:03	1
Magnesium	**92000**		200	49	ug/L		05/13/25 08:21	05/15/25 20:03	1
Manganese	**3300**		2.5	0.79	ug/L		05/13/25 08:21	05/15/25 20:03	1
Molybdenum	<2.5		5.0	2.5	ug/L		05/13/25 08:21	05/15/25 20:03	1
Nickel	**1.3**	**J**	2.0	0.63	ug/L		05/13/25 08:21	05/15/25 20:03	1
Potassium	**960**		500	110	ug/L		05/13/25 08:21	05/15/25 20:03	1
Selenium	<0.98		2.5	0.98	ug/L		05/13/25 08:21	05/15/25 20:03	1
Silver	<0.12		0.50	0.12	ug/L		05/13/25 08:21	05/15/25 20:03	1
Sodium	**36000**		200	77	ug/L		05/13/25 08:21	05/15/25 20:03	1
Strontium	**3200**		4.0	0.64	ug/L		05/13/25 08:21	05/15/25 20:03	1
Thallium	<0.57		2.0	0.57	ug/L		05/13/25 08:21	05/15/25 20:03	1
Tin	<1.3		5.0	1.3	ug/L		05/13/25 08:21	05/15/25 20:03	1
Vanadium	**2.8**	**J**	5.0	2.2	ug/L		05/13/25 08:21	05/15/25 20:03	1
Zinc	<6.9		20	6.9	ug/L		05/13/25 08:21	05/15/25 20:03	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**1200**		0.91	0.46	mg/L		05/13/25 08:21	05/16/25 09:56	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	**4.3**		1.0	0.45	mg/L			05/09/25 13:51	1
Nitrate as N (EPA 300.0)	<0.37		1.0	0.37	mg/L			05/09/25 13:51	1
Chloride (EPA 300.0)	**420**		20	8.4	mg/L			05/30/25 08:16	20
Nitrite as N (EPA 300.0)	<0.25		1.0	0.25	mg/L			05/09/25 13:51	1
Fluoride (EPA 300.0)	<0.43		1.0	0.43	mg/L			05/09/25 13:51	1
Nitrate Nitrite as N (EPA 300.0)	<0.37		1.0	0.37	mg/L			05/09/25 13:51	1
Sulfate (EPA 300.0)	**4.0**		1.0	0.47	mg/L			05/09/25 13:51	1
Cyanide, Total (EPA 335.4)	<0.0036		0.0050	0.0036	mg/L		05/19/25 14:51	05/20/25 08:23	1
Ammonia (EPA 350.1)	<0.10		0.20	0.10	mg/L		05/30/25 13:00	05/31/25 08:29	1
Phosphorus as P (EPA 365.1)	**0.031**	**J**	0.050	0.024	mg/L		05/27/25 09:39	05/29/25 11:07	1
Alkalinity (SM 2320B)	**570**		5.0	3.7	mg/L			05/20/25 11:29	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**570**		5.0	3.7	mg/L			05/20/25 11:29	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<3.7		5.0	3.7	mg/L			05/20/25 11:29	1
Salinity (SM 2520B)	**1.2**		0.33	0.33	psu			06/02/25 10:43	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-268062-1

Client Sample ID: MW-10_20250507
Date Collected: 05/07/25 16:00
Date Received: 05/09/25 09:29

Lab Sample ID: 500-268062-11
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	1300		10	4.3	mg/L			05/14/25 02:27	1
Total Suspended Solids (SM 2540D)	21		5.0	1.9	mg/L			05/09/25 14:50	1
Sulfide (SM 4500 S2 F)	<0.23		1.0	0.23	mg/L			05/14/25 01:19	1
Total Organic Carbon (SM 5310C)	5.3		1.0	0.47	mg/L			05/20/25 19:41	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon (SM 5310C)	5.1		1.0	0.47	mg/L			05/21/25 10:12	1

Client: White Pine Copper LLC
Job ID: 500-268062-1
Project/Site: White Pines, MI

Client Sample ID: MW-10_20250507_FBLL
Lab Sample ID: 500-268062-12
Date Collected: 05/07/25 16:00
Matrix: Water
Date Received: 05/09/25 09:29

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			06/12/25 18:09	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-268062-1

Client Sample ID: PNC-03_20250507

Date Collected: 05/07/25 10:45
Date Received: 05/09/25 09:29

Lab Sample ID: 500-268062-13

Matrix: Water

Method: EPA 1630 - Methyl Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	**0.022**	**J**	0.050	0.022	ng/L		06/17/25 17:55	06/19/25 00:59	1

Method: EPA 1630 - Methyl Mercury - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		06/17/25 17:55	06/19/25 00:49	1

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**2.2**		0.50	0.20	ng/L			06/12/25 18:13	1

Method: EPA 1631E - Mercury, Low Level (CVAFS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**1.8**		0.50	0.20	ng/L			06/12/25 18:17	1

Method: EPA 1638 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.17**		0.050	0.0098	ug/L		05/29/25 11:17	05/29/25 22:17	1

Method: EPA 1638 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.18**		0.050	0.0098	ug/L		05/29/25 13:00	05/29/25 21:02	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**310**		100	25	ug/L		05/13/25 08:21	05/15/25 19:22	1
Antimony	<1.3		3.0	1.3	ug/L		05/13/25 08:21	05/15/25 19:22	1
Arsenic	**0.42**	**J**	1.0	0.23	ug/L		05/13/25 08:21	05/15/25 19:22	1
Barium	**36**		2.5	0.73	ug/L		05/13/25 08:21	05/15/25 19:22	1
Beryllium	<0.53		1.0	0.53	ug/L		05/13/25 08:21	05/15/25 19:22	1
Boron	<13		50	13	ug/L		05/13/25 08:21	05/15/25 19:22	1
Cadmium	<0.17		0.50	0.17	ug/L		05/13/25 08:21	05/15/25 19:22	1
Calcium	**18000**		200	44	ug/L		05/13/25 08:21	05/15/25 19:22	1
Chromium	<1.1		5.0	1.1	ug/L		05/13/25 08:21	05/15/25 19:22	1
Cobalt	<0.40		1.0	0.40	ug/L		05/13/25 08:21	05/15/25 19:22	1
Copper	**16**		2.0	0.50	ug/L		05/13/25 08:21	05/15/25 19:22	1
Iron	**690**		100	47	ug/L		05/13/25 08:21	05/15/25 19:22	1
Lead	<0.19		0.50	0.19	ug/L		05/13/25 08:21	05/15/25 19:22	1
Lithium	<2.5		10	2.5	ug/L		05/13/25 08:21	05/15/25 19:22	1
Magnesium	**4100**		200	49	ug/L		05/13/25 08:21	05/15/25 19:22	1
Manganese	**62**		2.5	0.79	ug/L		05/13/25 08:21	05/15/25 19:22	1
Molybdenum	<2.5		5.0	2.5	ug/L		05/13/25 08:21	05/15/25 19:22	1
Nickel	**0.67**	**J**	2.0	0.63	ug/L		05/13/25 08:21	05/15/25 19:22	1
Potassium	**1100**		500	110	ug/L		05/13/25 08:21	05/15/25 19:22	1
Selenium	<0.98		2.5	0.98	ug/L		05/13/25 08:21	05/15/25 19:22	1
Silver	<0.12		0.50	0.12	ug/L		05/13/25 08:21	05/15/25 19:22	1
Sodium	**2300**		200	77	ug/L		05/13/25 08:21	05/15/25 19:22	1
Strontium	**79**		4.0	0.64	ug/L		05/13/25 08:21	05/15/25 19:22	1
Thallium	<0.57		2.0	0.57	ug/L		05/13/25 08:21	05/15/25 19:22	1
Tin	<1.3		5.0	1.3	ug/L		05/13/25 08:21	05/15/25 19:22	1
Vanadium	<2.2		5.0	2.2	ug/L		05/13/25 08:21	05/15/25 19:22	1
Zinc	<6.9		20	6.9	ug/L		05/13/25 08:21	05/15/25 19:22	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-268062-1

Client Sample ID: PNC-03_20250507

Date Collected: 05/07/25 10:45
Date Received: 05/09/25 09:29

Lab Sample ID: 500-268062-13

Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**36**	**J**	100	25	ug/L		05/13/25 08:21	05/15/25 20:05	1
Antimony	<1.3		3.0	1.3	ug/L		05/13/25 08:21	05/15/25 20:05	1
Arsenic	**0.33**	**J**	1.0	0.23	ug/L		05/13/25 08:21	05/15/25 20:05	1
Barium	**37**		2.5	0.73	ug/L		05/13/25 08:21	05/15/25 20:05	1
Beryllium	<0.53		1.0	0.53	ug/L		05/13/25 08:21	05/15/25 20:05	1
Boron	**57**	**B**	50	13	ug/L		05/13/25 08:21	05/16/25 13:16	1
Cadmium	<0.17		0.50	0.17	ug/L		05/13/25 08:21	05/15/25 20:05	1
Calcium	**20000**		200	44	ug/L		05/13/25 08:21	05/15/25 20:05	1
Chromium	<1.1		5.0	1.1	ug/L		05/13/25 08:21	05/15/25 20:05	1
Cobalt	<0.40		1.0	0.40	ug/L		05/13/25 08:21	05/15/25 20:05	1
Copper	**14**		2.0	0.50	ug/L		05/13/25 08:21	05/15/25 20:05	1
Iron	**360**		100	47	ug/L		05/13/25 08:21	05/15/25 20:05	1
Lead	<0.19		0.50	0.19	ug/L		05/13/25 08:21	05/15/25 20:05	1
Lithium	<2.5		10	2.5	ug/L		05/13/25 08:21	05/15/25 20:05	1
Magnesium	**4300**		200	49	ug/L		05/13/25 08:21	05/15/25 20:05	1
Manganese	**100**		2.5	0.79	ug/L		05/13/25 08:21	05/15/25 20:05	1
Molybdenum	<2.5		5.0	2.5	ug/L		05/13/25 08:21	05/15/25 20:05	1
Nickel	<0.63		2.0	0.63	ug/L		05/13/25 08:21	05/15/25 20:05	1
Potassium	**1100**		500	110	ug/L		05/13/25 08:21	05/15/25 20:05	1
Selenium	<0.98		2.5	0.98	ug/L		05/13/25 08:21	05/15/25 20:05	1
Silver	<0.12		0.50	0.12	ug/L		05/13/25 08:21	05/15/25 20:05	1
Sodium	**2500**		200	77	ug/L		05/13/25 08:21	05/15/25 20:05	1
Strontium	**88**		4.0	0.64	ug/L		05/13/25 08:21	05/15/25 20:05	1
Thallium	<0.57		2.0	0.57	ug/L		05/13/25 08:21	05/15/25 20:05	1
Tin	<1.3		5.0	1.3	ug/L		05/13/25 08:21	05/15/25 20:05	1
Vanadium	<2.2		5.0	2.2	ug/L		05/13/25 08:21	05/15/25 20:05	1
Zinc	<6.9		20	6.9	ug/L		05/13/25 08:21	05/15/25 20:05	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**63**		0.91	0.46	mg/L		05/13/25 08:21	05/16/25 09:56	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	<0.45		1.0	0.45	mg/L			05/09/25 16:09	1
Nitrate as N (EPA 300.0)	<0.37	H	1.0	0.37	mg/L			05/09/25 16:09	1
Chloride (EPA 300.0)	**7.1**		1.0	0.42	mg/L			05/09/25 16:09	1
Nitrite as N (EPA 300.0)	<0.25	H	1.0	0.25	mg/L			05/09/25 16:09	1
Fluoride (EPA 300.0)	<0.43		1.0	0.43	mg/L			05/09/25 16:09	1
Nitrate Nitrite as N (EPA 300.0)	<0.37	H	1.0	0.37	mg/L			05/09/25 16:09	1
Sulfate (EPA 300.0)	**0.79**	**J**	1.0	0.47	mg/L			05/09/25 16:09	1
Cyanide, Total (EPA 335.4)	<0.0036		0.0050	0.0036	mg/L		05/18/25 09:15	05/20/25 08:52	1
Ammonia (EPA 350.1)	<0.10		0.20	0.10	mg/L		05/30/25 13:00	05/31/25 08:30	1
Phosphorus as P (EPA 365.1)	<0.024		0.050	0.024	mg/L		05/27/25 09:39	05/29/25 11:08	1
Alkalinity (SM 2320B)	**62**		5.0	3.7	mg/L			05/20/25 11:39	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**62**		5.0	3.7	mg/L			05/20/25 11:39	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<3.7		5.0	3.7	mg/L			05/20/25 11:39	1
Salinity (SM 2520B)	<0.33		0.33	0.33	psu			06/02/25 10:43	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-268062-1

Client Sample ID: PNC-03_20250507
Date Collected: 05/07/25 10:45
Date Received: 05/09/25 09:29

Lab Sample ID: 500-268062-13
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	160		10	4.3	mg/L			05/14/25 02:29	1
Total Suspended Solids (SM 2540D)	2.6	J	5.0	1.9	mg/L			05/09/25 14:54	1
Sulfide (SM 4500 S2 F)	1.5		1.0	0.23	mg/L			05/14/25 01:22	1
Total Organic Carbon (SM 5310C)	9.9		1.0	0.47	mg/L			05/20/25 20:14	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon (SM 5310C)	10		1.0	0.47	mg/L			05/21/25 10:45	1

Client: White Pine Copper LLC
Job ID: 500-268062-1
Project/Site: White Pines, MI

Client Sample ID: PNC-03_20250507_FBLL
Lab Sample ID: 500-268062-14
Date Collected: 05/07/25 10:45
Matrix: Water
Date Received: 05/09/25 09:29

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			06/12/25 18:21	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-268062-1

Client Sample ID: FB-01-GW_20250507

Lab Sample ID: 500-268062-15

Date Collected: 05/07/25 12:45

Matrix: Water

Date Received: 05/09/25 09:29

Method: EPA 1630 - Methyl Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		06/17/25 17:55	06/19/25 01:09	1

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.23**	**J**	0.50	0.20	ng/L			06/12/25 18:26	1

Method: EPA 1638 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	<0.0098		0.050	0.0098	ug/L		05/29/25 11:17	05/29/25 22:20	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<25		100	25	ug/L		05/14/25 08:37	05/21/25 15:59	1
Antimony	<1.3		3.0	1.3	ug/L		05/14/25 08:37	05/21/25 15:59	1
Arsenic	<0.23		1.0	0.23	ug/L		05/14/25 08:37	05/21/25 15:59	1
Barium	<0.73		2.5	0.73	ug/L		05/14/25 08:37	05/21/25 15:59	1
Beryllium	<0.53		1.0	0.53	ug/L		05/14/25 08:37	05/21/25 15:59	1
Boron	<13		50	13	ug/L		05/14/25 08:37	05/21/25 15:59	1
Cadmium	<0.17		0.50	0.17	ug/L		05/14/25 08:37	05/21/25 15:59	1
Calcium	**78**	**J**	200	44	ug/L		05/14/25 08:37	05/21/25 15:59	1
Chromium	<1.1		5.0	1.1	ug/L		05/14/25 08:37	05/21/25 15:59	1
Cobalt	<0.40		1.0	0.40	ug/L		05/14/25 08:37	05/21/25 15:59	1
Copper	**0.83**	**J**	2.0	0.50	ug/L		05/14/25 08:37	05/21/25 15:59	1
Iron	<47		100	47	ug/L		05/14/25 08:37	05/21/25 15:59	1
Lead	<0.19		0.50	0.19	ug/L		05/14/25 08:37	05/21/25 15:59	1
Lithium	<2.5		10	2.5	ug/L		05/14/25 08:37	05/21/25 15:59	1
Magnesium	<49		200	49	ug/L		05/14/25 08:37	05/21/25 15:59	1
Manganese	<0.79		2.5	0.79	ug/L		05/14/25 08:37	05/21/25 15:59	1
Molybdenum	<2.5	^1+	5.0	2.5	ug/L		05/14/25 08:37	05/21/25 15:59	1
Nickel	<0.63		2.0	0.63	ug/L		05/14/25 08:37	05/21/25 15:59	1
Potassium	<110		500	110	ug/L		05/14/25 08:37	05/21/25 15:59	1
Selenium	<0.98		2.5	0.98	ug/L		05/14/25 08:37	05/21/25 15:59	1
Silver	<0.12		0.50	0.12	ug/L		05/14/25 08:37	05/21/25 15:59	1
Sodium	**340**		200	77	ug/L		05/14/25 08:37	05/21/25 15:59	1
Strontium	<0.64		4.0	0.64	ug/L		05/14/25 08:37	05/21/25 15:59	1
Thallium	<0.57		2.0	0.57	ug/L		05/14/25 08:37	05/21/25 15:59	1
Tin	**1.9**	**J B**	5.0	1.3	ug/L		05/14/25 08:37	05/21/25 15:59	1
Vanadium	<2.2		5.0	2.2	ug/L		05/14/25 08:37	05/21/25 15:59	1
Zinc	<6.9		20	6.9	ug/L		05/14/25 08:37	05/21/25 15:59	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	<0.46		0.91	0.46	mg/L		05/14/25 08:37	05/22/25 09:59	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	<0.45		1.0	0.45	mg/L			05/09/25 16:39	1
Nitrate as N (EPA 300.0)	<0.37	H	1.0	0.37	mg/L			05/09/25 16:39	1
Chloride (EPA 300.0)	<0.42		1.0	0.42	mg/L			05/09/25 16:39	1
Nitrite as N (EPA 300.0)	<0.25	H	1.0	0.25	mg/L			05/09/25 16:39	1
Fluoride (EPA 300.0)	<0.43		1.0	0.43	mg/L			05/09/25 16:39	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-268062-1

Client Sample ID: FB-01-GW_20250507
Date Collected: 05/07/25 12:45
Date Received: 05/09/25 09:29

Lab Sample ID: 500-268062-15
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N (EPA 300.0)	<0.37	H	1.0	0.37	mg/L			05/09/25 16:39	1
Sulfate (EPA 300.0)	<0.47		1.0	0.47	mg/L			05/09/25 16:39	1
Cyanide, Total (EPA 335.4)	<0.0036		0.0050	0.0036	mg/L		05/18/25 09:15	05/20/25 08:52	1
Ammonia (EPA 350.1)	<0.10		0.20	0.10	mg/L		05/30/25 13:00	05/31/25 08:30	1
Phosphorus as P (EPA 365.1)	<0.024		0.050	0.024	mg/L		05/27/25 09:39	05/29/25 11:09	1
Alkalinity (SM 2320B)	<3.7		5.0	3.7	mg/L			05/20/25 11:48	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	<3.7		5.0	3.7	mg/L			05/20/25 11:48	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<3.7		5.0	3.7	mg/L			05/20/25 11:48	1
Salinity (SM 2520B)	<0.33		0.33	0.33	psu			06/02/25 10:43	1
Total Dissolved Solids (SM 2540C)	**6.0**	**J**	10	4.3	mg/L			05/14/25 02:32	1
Total Suspended Solids (SM 2540D)	<1.9		5.0	1.9	mg/L			05/09/25 14:59	1
Sulfide (SM 4500 S2 F)	<0.23		1.0	0.23	mg/L			05/14/25 01:26	1
Total Organic Carbon (SM 5310C)	<0.47		1.0	0.47	mg/L			05/20/25 20:46	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-268062-1

Client Sample ID: FB-01-GW_20250507_FBLL
Date Collected: 05/07/25 12:45
Date Received: 05/09/25 09:29

Lab Sample ID: 500-268062-16
Matrix: Water

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.26	J	0.50	0.20	ng/L			06/12/25 18:30	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-268062-1

Client Sample ID: MW-35SB_20250507

Lab Sample ID: 500-268062-17

Date Collected: 05/07/25 15:30

Matrix: Water

Date Received: 05/09/25 09:29

Method: EPA 1630 - Methyl Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		06/17/25 17:55	06/19/25 01:50	1

Method: EPA 1630 - Methyl Mercury - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		06/17/25 17:55	06/19/25 01:19	1

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**2.5**		0.50	0.20	ng/L			06/12/25 18:34	1

Method: EPA 1631E - Mercury, Low Level (CVAFS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.52**		0.50	0.20	ng/L			06/12/25 18:38	1

Method: EPA 1638 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**12**		0.050	0.0098	ug/L		05/29/25 11:17	05/29/25 22:24	1

Method: EPA 1638 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**9.9**		0.050	0.0098	ug/L		05/29/25 13:00	05/29/25 21:06	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**50000**		100	25	ug/L		05/13/25 08:21	05/15/25 19:24	1
Antimony	<1.3		3.0	1.3	ug/L		05/13/25 08:21	05/15/25 19:24	1
Arsenic	**16**		1.0	0.23	ug/L		05/13/25 08:21	05/15/25 19:24	1
Barium	**290**		2.5	0.73	ug/L		05/13/25 08:21	05/15/25 19:24	1
Beryllium	**2.9**		1.0	0.53	ug/L		05/13/25 08:21	05/15/25 19:24	1
Boron	**2800**	**B**	50	13	ug/L		05/13/25 08:21	05/15/25 19:24	1
Cadmium	<0.17		0.50	0.17	ug/L		05/13/25 08:21	05/15/25 19:24	1
Calcium	**17000**		200	44	ug/L		05/13/25 08:21	05/15/25 19:24	1
Chromium	**85**		5.0	1.1	ug/L		05/13/25 08:21	05/15/25 19:24	1
Cobalt	**51**		1.0	0.40	ug/L		05/13/25 08:21	05/15/25 19:24	1
Copper	**91**		2.0	0.50	ug/L		05/13/25 08:21	05/15/25 19:24	1
Iron	**64000**		100	47	ug/L		05/13/25 08:21	05/15/25 19:24	1
Lead	**62**		0.50	0.19	ug/L		05/13/25 08:21	05/15/25 19:24	1
Lithium	**130**		10	2.5	ug/L		05/13/25 08:21	05/15/25 19:24	1
Magnesium	**28000**		200	49	ug/L		05/13/25 08:21	05/15/25 19:24	1
Manganese	**1400**		2.5	0.79	ug/L		05/13/25 08:21	05/15/25 19:24	1
Molybdenum	**3.4**	**J**	5.0	2.5	ug/L		05/13/25 08:21	05/15/25 19:24	1
Nickel	**110**		2.0	0.63	ug/L		05/13/25 08:21	05/15/25 19:24	1
Potassium	**13000**		500	110	ug/L		05/13/25 08:21	05/15/25 19:24	1
Selenium	**9.0**		2.5	0.98	ug/L		05/13/25 08:21	05/15/25 19:24	1
Silver	<0.12		0.50	0.12	ug/L		05/13/25 08:21	05/15/25 19:24	1
Sodium	**120000**		200	77	ug/L		05/13/25 08:21	05/15/25 19:24	1
Strontium	**72**		4.0	0.64	ug/L		05/13/25 08:21	05/15/25 19:24	1
Thallium	**0.75**	**J**	2.0	0.57	ug/L		05/13/25 08:21	05/15/25 19:24	1
Tin	**2.6**	**J**	5.0	1.3	ug/L		05/13/25 08:21	05/15/25 19:24	1
Vanadium	**110**		5.0	2.2	ug/L		05/13/25 08:21	05/15/25 19:24	1
Zinc	**240**		20	6.9	ug/L		05/13/25 08:21	05/15/25 19:24	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-268062-1

Client Sample ID: MW-35SB_20250507

Date Collected: 05/07/25 15:30
Date Received: 05/09/25 09:29

Lab Sample ID: 500-268062-17

Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**52**	**J**	100	25	ug/L		05/13/25 08:21	05/15/25 20:08	1
Antimony	<1.3		3.0	1.3	ug/L		05/13/25 08:21	05/15/25 20:08	1
Arsenic	**0.96**	**J**	1.0	0.23	ug/L		05/13/25 08:21	05/15/25 20:08	1
Barium	**8.1**		2.5	0.73	ug/L		05/13/25 08:21	05/15/25 20:08	1
Beryllium	<0.53		1.0	0.53	ug/L		05/13/25 08:21	05/15/25 20:08	1
Boron	**3000**	**B**	50	13	ug/L		05/13/25 08:21	05/16/25 13:19	1
Cadmium	<0.17		0.50	0.17	ug/L		05/13/25 08:21	05/15/25 20:08	1
Calcium	**3100**		200	44	ug/L		05/13/25 08:21	05/15/25 20:08	1
Chromium	<1.1		5.0	1.1	ug/L		05/13/25 08:21	05/15/25 20:08	1
Cobalt	<0.40		1.0	0.40	ug/L		05/13/25 08:21	05/15/25 20:08	1
Copper	<0.50		2.0	0.50	ug/L		05/13/25 08:21	05/15/25 20:08	1
Iron	<47		100	47	ug/L		05/13/25 08:21	05/15/25 20:08	1
Lead	<0.19		0.50	0.19	ug/L		05/13/25 08:21	05/15/25 20:08	1
Lithium	**61**		10	2.5	ug/L		05/13/25 08:21	05/15/25 20:08	1
Magnesium	**500**		200	49	ug/L		05/13/25 08:21	05/15/25 20:08	1
Manganese	**6.4**		2.5	0.79	ug/L		05/13/25 08:21	05/15/25 20:08	1
Molybdenum	**3.6**	**J**	5.0	2.5	ug/L		05/13/25 08:21	05/15/25 20:08	1
Nickel	<0.63		2.0	0.63	ug/L		05/13/25 08:21	05/15/25 20:08	1
Potassium	**1300**		500	110	ug/L		05/13/25 08:21	05/15/25 20:08	1
Selenium	<0.98		2.5	0.98	ug/L		05/13/25 08:21	05/15/25 20:08	1
Silver	<0.12		0.50	0.12	ug/L		05/13/25 08:21	05/15/25 20:08	1
Sodium	**120000**		200	77	ug/L		05/13/25 08:21	05/15/25 20:08	1
Strontium	**19**		4.0	0.64	ug/L		05/13/25 08:21	05/15/25 20:08	1
Thallium	<0.57		2.0	0.57	ug/L		05/13/25 08:21	05/15/25 20:08	1
Tin	<1.3		5.0	1.3	ug/L		05/13/25 08:21	05/15/25 20:08	1
Vanadium	**5.9**		5.0	2.2	ug/L		05/13/25 08:21	05/15/25 20:08	1
Zinc	<6.9		20	6.9	ug/L		05/13/25 08:21	05/15/25 20:08	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**160**		0.91	0.46	mg/L		05/13/25 08:21	05/16/25 09:56	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	<0.45		1.0	0.45	mg/L			05/09/25 14:06	1
Nitrate as N (EPA 300.0)	<0.37		1.0	0.37	mg/L			05/09/25 14:06	1
Chloride (EPA 300.0)	**1.2**		1.0	0.42	mg/L			05/09/25 14:06	1
Nitrite as N (EPA 300.0)	<0.25		1.0	0.25	mg/L			05/09/25 14:06	1
Fluoride (EPA 300.0)	**1.0**		1.0	0.43	mg/L			05/09/25 14:06	1
Nitrate Nitrite as N (EPA 300.0)	<0.37		1.0	0.37	mg/L			05/09/25 14:06	1
Sulfate (EPA 300.0)	**7.1**		1.0	0.47	mg/L			05/09/25 14:06	1
Cyanide, Total (EPA 335.4)	<0.0036		0.0050	0.0036	mg/L		05/18/25 09:15	05/20/25 08:54	1
Ammonia (EPA 350.1)	<0.10		0.20	0.10	mg/L		05/30/25 13:00	05/31/25 08:31	1
Phosphorus as P (EPA 365.1)	**1.3**		0.050	0.024	mg/L		05/27/25 09:39	05/29/25 11:12	1
Alkalinity (SM 2320B)	**280**		5.0	3.7	mg/L			05/20/25 11:52	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**270**		5.0	3.7	mg/L			05/20/25 11:52	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	**17**		5.0	3.7	mg/L			05/20/25 11:52	1
Salinity (SM 2520B)	<0.33		0.33	0.33	psu			06/02/25 10:43	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-268062-1

Client Sample ID: MW-35SB_20250507
Date Collected: 05/07/25 15:30
Date Received: 05/09/25 09:29

Lab Sample ID: 500-268062-17
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	360		10	4.3	mg/L			05/14/25 02:34	1
Total Suspended Solids (SM 2540D)	440		50	19	mg/L			05/09/25 15:03	1
Sulfide (SM 4500 S2 F)	1.8		1.0	0.23	mg/L			05/14/25 01:30	1
Total Organic Carbon (SM 5310C)	<0.47		1.0	0.47	mg/L			05/20/25 21:18	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon (SM 5310C)	0.60	J	1.0	0.47	mg/L			05/21/25 11:17	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-268062-1

Client Sample ID: MW-35SB_20250507_FBLL
Date Collected: 05/07/25 15:30
Date Received: 05/09/25 09:29

Lab Sample ID: 500-268062-18
Matrix: Water

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.25	J	0.50	0.20	ng/L			06/12/25 18:42	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-268062-1

Client Sample ID: FB-02_20250507
Date Collected: 05/07/25 18:00
Date Received: 05/09/25 09:29

Lab Sample ID: 500-268062-19
Matrix: Water

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			06/12/25 18:46	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-268062-1

Client Sample ID: SMW-3_20250508

Date Collected: 05/08/25 09:30
Date Received: 05/09/25 09:29

Lab Sample ID: 500-268062-20

Matrix: Water

Method: EPA 1630 - Methyl Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		06/18/25 13:10	06/19/25 06:15	1

Method: EPA 1630 - Methyl Mercury - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		06/18/25 13:10	06/19/25 06:25	1

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.30**	**J**	0.50	0.20	ng/L			06/12/25 18:59	1

Method: EPA 1631E - Mercury, Low Level (CVAFS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.40**	**J**	0.50	0.20	ng/L			06/12/25 19:03	1

Method: EPA 1638 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.088**		0.050	0.0098	ug/L		05/29/25 11:17	05/29/25 22:28	1

Method: EPA 1638 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.076**		0.050	0.0098	ug/L		05/29/25 13:00	05/29/25 21:17	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**34**	**J**	100	25	ug/L		05/13/25 08:21	05/15/25 19:26	1
Antimony	<1.3		3.0	1.3	ug/L		05/13/25 08:21	05/15/25 19:26	1
Arsenic	**1.4**		1.0	0.23	ug/L		05/13/25 08:21	05/15/25 19:26	1
Barium	**29**		2.5	0.73	ug/L		05/13/25 08:21	05/15/25 19:26	1
Beryllium	<0.53		1.0	0.53	ug/L		05/13/25 08:21	05/15/25 19:26	1
Boron	**280**	**B**	50	13	ug/L		05/13/25 08:21	05/15/25 19:26	1
Cadmium	<0.17		0.50	0.17	ug/L		05/13/25 08:21	05/15/25 19:26	1
Calcium	**11000**		200	44	ug/L		05/13/25 08:21	05/15/25 19:26	1
Chromium	<1.1		5.0	1.1	ug/L		05/13/25 08:21	05/15/25 19:26	1
Cobalt	<0.40		1.0	0.40	ug/L		05/13/25 08:21	05/15/25 19:26	1
Copper	<0.50		2.0	0.50	ug/L		05/13/25 08:21	05/15/25 19:26	1
Iron	**81**	**J**	100	47	ug/L		05/13/25 08:21	05/15/25 19:26	1
Lead	<0.19		0.50	0.19	ug/L		05/13/25 08:21	05/15/25 19:26	1
Lithium	<2.5		10	2.5	ug/L		05/13/25 08:21	05/15/25 19:26	1
Magnesium	**1700**		200	49	ug/L		05/13/25 08:21	05/15/25 19:26	1
Manganese	**23**		2.5	0.79	ug/L		05/13/25 08:21	05/15/25 19:26	1
Molybdenum	**19**		5.0	2.5	ug/L		05/13/25 08:21	05/15/25 19:26	1
Nickel	<0.63		2.0	0.63	ug/L		05/13/25 08:21	05/15/25 19:26	1
Potassium	**930**		500	110	ug/L		05/13/25 08:21	05/15/25 19:26	1
Selenium	<0.98		2.5	0.98	ug/L		05/13/25 08:21	05/15/25 19:26	1
Silver	<0.12		0.50	0.12	ug/L		05/13/25 08:21	05/15/25 19:26	1
Sodium	**41000**		200	77	ug/L		05/13/25 08:21	05/15/25 19:26	1
Strontium	**110**		4.0	0.64	ug/L		05/13/25 08:21	05/15/25 19:26	1
Thallium	<0.57		2.0	0.57	ug/L		05/13/25 08:21	05/15/25 19:26	1
Tin	<1.3		5.0	1.3	ug/L		05/13/25 08:21	05/15/25 19:26	1
Vanadium	<2.2		5.0	2.2	ug/L		05/13/25 08:21	05/15/25 19:26	1
Zinc	<6.9		20	6.9	ug/L		05/13/25 08:21	05/15/25 19:26	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-268062-1

Client Sample ID: SMW-3_20250508
Date Collected: 05/08/25 09:30
Date Received: 05/09/25 09:29

Lab Sample ID: 500-268062-20
Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<25		100	25	ug/L		05/13/25 08:21	05/15/25 20:10	1
Antimony	<1.3		3.0	1.3	ug/L		05/13/25 08:21	05/15/25 20:10	1
Arsenic	**1.3**		1.0	0.23	ug/L		05/13/25 08:21	05/15/25 20:10	1
Barium	**28**		2.5	0.73	ug/L		05/13/25 08:21	05/15/25 20:10	1
Beryllium	<0.53		1.0	0.53	ug/L		05/13/25 08:21	05/15/25 20:10	1
Boron	**300**	**B**	50	13	ug/L		05/13/25 08:21	05/16/25 13:21	1
Cadmium	<0.17		0.50	0.17	ug/L		05/13/25 08:21	05/15/25 20:10	1
Calcium	**10000**		200	44	ug/L		05/13/25 08:21	05/15/25 20:10	1
Chromium	<1.1		5.0	1.1	ug/L		05/13/25 08:21	05/15/25 20:10	1
Cobalt	<0.40		1.0	0.40	ug/L		05/13/25 08:21	05/15/25 20:10	1
Copper	<0.50		2.0	0.50	ug/L		05/13/25 08:21	05/15/25 20:10	1
Iron	<47		100	47	ug/L		05/13/25 08:21	05/15/25 20:10	1
Lead	<0.19		0.50	0.19	ug/L		05/13/25 08:21	05/15/25 20:10	1
Lithium	<2.5		10	2.5	ug/L		05/13/25 08:21	05/15/25 20:10	1
Magnesium	**1600**		200	49	ug/L		05/13/25 08:21	05/15/25 20:10	1
Manganese	**20**		2.5	0.79	ug/L		05/13/25 08:21	05/15/25 20:10	1
Molybdenum	**18**		5.0	2.5	ug/L		05/13/25 08:21	05/15/25 20:10	1
Nickel	<0.63		2.0	0.63	ug/L		05/13/25 08:21	05/15/25 20:10	1
Potassium	**860**		500	110	ug/L		05/13/25 08:21	05/15/25 20:10	1
Selenium	<0.98		2.5	0.98	ug/L		05/13/25 08:21	05/15/25 20:10	1
Silver	<0.12		0.50	0.12	ug/L		05/13/25 08:21	05/15/25 20:10	1
Sodium	**39000**		200	77	ug/L		05/13/25 08:21	05/15/25 20:10	1
Strontium	**100**		4.0	0.64	ug/L		05/13/25 08:21	05/15/25 20:10	1
Thallium	<0.57		2.0	0.57	ug/L		05/13/25 08:21	05/15/25 20:10	1
Tin	<1.3		5.0	1.3	ug/L		05/13/25 08:21	05/15/25 20:10	1
Vanadium	<2.2		5.0	2.2	ug/L		05/13/25 08:21	05/15/25 20:10	1
Zinc	<6.9		20	6.9	ug/L		05/13/25 08:21	05/15/25 20:10	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**33**		0.91	0.46	mg/L		05/13/25 08:21	05/16/25 09:56	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	<0.45		1.0	0.45	mg/L			05/09/25 14:22	1
Nitrate as N (EPA 300.0)	<0.37		1.0	0.37	mg/L			05/09/25 14:22	1
Chloride (EPA 300.0)	**39**		1.0	0.42	mg/L			05/09/25 14:22	1
Nitrite as N (EPA 300.0)	<0.25		1.0	0.25	mg/L			05/09/25 14:22	1
Fluoride (EPA 300.0)	<0.43		1.0	0.43	mg/L			05/09/25 14:22	1
Nitrate Nitrite as N (EPA 300.0)	<0.37		1.0	0.37	mg/L			05/09/25 14:22	1
Sulfate (EPA 300.0)	<0.47		1.0	0.47	mg/L			05/09/25 14:22	1
Cyanide, Total (EPA 335.4)	<0.0036		0.0050	0.0036	mg/L		05/18/25 09:15	05/20/25 08:54	1
Ammonia (EPA 350.1)	<0.10		0.20	0.10	mg/L		05/30/25 13:00	05/31/25 08:31	1
Phosphorus as P (EPA 365.1)	**0.042**	**J**	0.050	0.024	mg/L		05/27/25 09:39	05/29/25 11:13	1
Alkalinity (SM 2320B)	**77**		5.0	3.7	mg/L			05/20/25 12:02	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**77**		5.0	3.7	mg/L			05/20/25 12:02	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<3.7		5.0	3.7	mg/L			05/20/25 12:02	1
Salinity (SM 2520B)	<0.33		0.33	0.33	psu			06/02/25 10:43	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-268062-1

Client Sample ID: SMW-3_20250508
Date Collected: 05/08/25 09:30
Date Received: 05/09/25 09:29

Lab Sample ID: 500-268062-20
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**120**		10	4.3	mg/L			05/14/25 02:37	1
Total Suspended Solids (SM 2540D)	<1.9		5.0	1.9	mg/L			05/13/25 08:35	1
Sulfide (SM 4500 S2 F)	<0.23		1.0	0.23	mg/L			05/15/25 01:10	1
Total Organic Carbon (SM 5310C)	**3.3**		1.0	0.47	mg/L			05/20/25 21:50	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon (SM 5310C)	**3.4**		1.0	0.47	mg/L			05/21/25 11:49	1

Client Sample Results

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-268062-1

Client Sample ID: SMW-3_20250508_FBLL
Date Collected: 05/08/25 09:30
Date Received: 05/09/25 09:29

Lab Sample ID: 500-268062-21
Matrix: Water

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			06/12/25 19:07	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-268062-1

Client Sample ID: SMW-3SB_20250508

Lab Sample ID: 500-268062-22

Date Collected: 05/08/25 10:15

Matrix: Water

Date Received: 05/09/25 09:29

Method: EPA 1630 - Methyl Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		06/18/25 13:10	06/19/25 06:36	1

Method: EPA 1630 - Methyl Mercury - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		06/18/25 13:10	06/19/25 06:05	1

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.47**	**J**	0.50	0.20	ng/L			06/12/25 19:11	1

Method: EPA 1631E - Mercury, Low Level (CVAFS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.44**	**J**	0.50	0.20	ng/L			06/12/25 19:15	1

Method: EPA 1638 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.45**		0.050	0.0098	ug/L		05/29/25 11:17	05/29/25 22:31	1

Method: EPA 1638 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.43**		0.050	0.0098	ug/L		05/29/25 11:17	05/29/25 21:43	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**190**		100	25	ug/L		05/13/25 08:21	05/15/25 19:34	1
Antimony	<1.3		3.0	1.3	ug/L		05/13/25 08:21	05/15/25 19:34	1
Arsenic	**0.51**	**J**	1.0	0.23	ug/L		05/13/25 08:21	05/15/25 19:34	1
Barium	**5.9**		2.5	0.73	ug/L		05/13/25 08:21	05/15/25 19:34	1
Beryllium	<0.53		1.0	0.53	ug/L		05/13/25 08:21	05/15/25 19:34	1
Boron	**5000**	**B**	50	13	ug/L		05/13/25 08:21	05/15/25 19:34	1
Cadmium	<0.17		0.50	0.17	ug/L		05/13/25 08:21	05/15/25 19:34	1
Calcium	**3200**		200	44	ug/L		05/13/25 08:21	05/15/25 19:34	1
Chromium	<1.1		5.0	1.1	ug/L		05/13/25 08:21	05/15/25 19:34	1
Cobalt	<0.40		1.0	0.40	ug/L		05/13/25 08:21	05/15/25 19:34	1
Copper	**4.0**		2.0	0.50	ug/L		05/13/25 08:21	05/15/25 19:34	1
Iron	**160**		100	47	ug/L		05/13/25 08:21	05/15/25 19:34	1
Lead	<0.19		0.50	0.19	ug/L		05/13/25 08:21	05/15/25 19:34	1
Lithium	**31**		10	2.5	ug/L		05/13/25 08:21	05/15/25 19:34	1
Magnesium	**360**		200	49	ug/L		05/13/25 08:21	05/15/25 19:34	1
Manganese	**4.9**		2.5	0.79	ug/L		05/13/25 08:21	05/15/25 19:34	1
Molybdenum	**10**		5.0	2.5	ug/L		05/13/25 08:21	05/15/25 19:34	1
Nickel	<0.63		2.0	0.63	ug/L		05/13/25 08:21	05/15/25 19:34	1
Potassium	**2800**		500	110	ug/L		05/13/25 08:21	05/15/25 19:34	1
Selenium	<0.98		2.5	0.98	ug/L		05/13/25 08:21	05/15/25 19:34	1
Silver	<0.12		0.50	0.12	ug/L		05/13/25 08:21	05/15/25 19:34	1
Sodium	**110000**		200	77	ug/L		05/13/25 08:21	05/15/25 19:34	1
Strontium	**28**		4.0	0.64	ug/L		05/13/25 08:21	05/15/25 19:34	1
Thallium	<0.57		2.0	0.57	ug/L		05/13/25 08:21	05/15/25 19:34	1
Tin	<1.3		5.0	1.3	ug/L		05/13/25 08:21	05/15/25 19:34	1
Vanadium	**3.0**	**J**	5.0	2.2	ug/L		05/13/25 08:21	05/15/25 19:34	1
Zinc	<6.9		20	6.9	ug/L		05/13/25 08:21	05/15/25 19:34	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-268062-1

Client Sample ID: SMW-3SB_20250508

Lab Sample ID: 500-268062-22

Date Collected: 05/08/25 10:15

Matrix: Water

Date Received: 05/09/25 09:29

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**25**	**J**	100	25	ug/L		05/13/25 08:21	05/15/25 20:13	1
Antimony	<1.3		3.0	1.3	ug/L		05/13/25 08:21	05/15/25 20:13	1
Arsenic	**0.45**	**J**	1.0	0.23	ug/L		05/13/25 08:21	05/15/25 20:13	1
Barium	**4.7**		2.5	0.73	ug/L		05/13/25 08:21	05/15/25 20:13	1
Beryllium	<0.53		1.0	0.53	ug/L		05/13/25 08:21	05/15/25 20:13	1
Boron	**4900**	**B**	250	64	ug/L		05/13/25 08:21	05/16/25 13:24	5
Cadmium	<0.17		0.50	0.17	ug/L		05/13/25 08:21	05/15/25 20:13	1
Calcium	**2900**		200	44	ug/L		05/13/25 08:21	05/15/25 20:13	1
Chromium	<1.1		5.0	1.1	ug/L		05/13/25 08:21	05/15/25 20:13	1
Cobalt	<0.40		1.0	0.40	ug/L		05/13/25 08:21	05/15/25 20:13	1
Copper	<0.50		2.0	0.50	ug/L		05/13/25 08:21	05/15/25 20:13	1
Iron	<47		100	47	ug/L		05/13/25 08:21	05/15/25 20:13	1
Lead	<0.19		0.50	0.19	ug/L		05/13/25 08:21	05/15/25 20:13	1
Lithium	**28**		10	2.5	ug/L		05/13/25 08:21	05/15/25 20:13	1
Magnesium	**300**		200	49	ug/L		05/13/25 08:21	05/15/25 20:13	1
Manganese	**2.2**	**J**	2.5	0.79	ug/L		05/13/25 08:21	05/15/25 20:13	1
Molybdenum	**9.7**		5.0	2.5	ug/L		05/13/25 08:21	05/15/25 20:13	1
Nickel	<0.63		2.0	0.63	ug/L		05/13/25 08:21	05/15/25 20:13	1
Potassium	**2600**		500	110	ug/L		05/13/25 08:21	05/15/25 20:13	1
Selenium	<0.98		2.5	0.98	ug/L		05/13/25 08:21	05/15/25 20:13	1
Silver	<0.12		0.50	0.12	ug/L		05/13/25 08:21	05/15/25 20:13	1
Sodium	**100000**		200	77	ug/L		05/13/25 08:21	05/15/25 20:13	1
Strontium	**27**		4.0	0.64	ug/L		05/13/25 08:21	05/15/25 20:13	1
Thallium	<0.57		2.0	0.57	ug/L		05/13/25 08:21	05/15/25 20:13	1
Tin	<1.3		5.0	1.3	ug/L		05/13/25 08:21	05/15/25 20:13	1
Vanadium	**2.2**	**J**	5.0	2.2	ug/L		05/13/25 08:21	05/15/25 20:13	1
Zinc	<6.9		20	6.9	ug/L		05/13/25 08:21	05/15/25 20:13	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**9.4**		0.91	0.46	mg/L		05/13/25 08:21	05/16/25 09:56	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	**0.92**	**J**	1.0	0.45	mg/L			05/09/25 15:08	1
Nitrate as N (EPA 300.0)	<0.37		1.0	0.37	mg/L			05/09/25 15:08	1
Chloride (EPA 300.0)	**99**		1.0	0.42	mg/L			05/09/25 15:08	1
Nitrite as N (EPA 300.0)	<0.25		1.0	0.25	mg/L			05/09/25 15:08	1
Fluoride (EPA 300.0)	**1.8**		1.0	0.43	mg/L			05/09/25 15:08	1
Nitrate Nitrite as N (EPA 300.0)	<0.37		1.0	0.37	mg/L			05/09/25 15:08	1
Sulfate (EPA 300.0)	**7.8**		1.0	0.47	mg/L			05/09/25 15:08	1
Cyanide, Total (EPA 335.4)	<0.0036		0.0050	0.0036	mg/L		05/18/25 09:15	05/18/25 12:07	1
Ammonia (EPA 350.1)	<0.10		0.20	0.10	mg/L		05/30/25 13:00	05/31/25 08:32	1
Phosphorus as P (EPA 365.1)	**0.057**		0.050	0.024	mg/L		05/27/25 09:39	05/29/25 11:13	1
Alkalinity (SM 2320B)	**110**		5.0	3.7	mg/L			05/20/25 12:10	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**85**		5.0	3.7	mg/L			05/20/25 12:10	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	**28**		5.0	3.7	mg/L			05/20/25 12:10	1
Salinity (SM 2520B)	<0.33		0.33	0.33	psu			06/02/25 10:43	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-268062-1

Client Sample ID: SMW-3SB_20250508
Date Collected: 05/08/25 10:15
Date Received: 05/09/25 09:29

Lab Sample ID: 500-268062-22
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	240		10	4.3	mg/L			05/14/25 02:39	1
Total Suspended Solids (SM 2540D)	4.0	J	5.0	1.9	mg/L			05/13/25 08:20	1
Sulfide (SM 4500 S2 F)	<0.23		1.0	0.23	mg/L			05/15/25 01:17	1
Total Organic Carbon (SM 5310C)	1.3		1.0	0.47	mg/L			05/20/25 22:22	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon (SM 5310C)	1.7		1.0	0.47	mg/L			05/25/25 15:14	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-268062-1

Client Sample ID: SMW-3SB_20250508_FBLL
Date Collected: 05/08/25 10:15
Date Received: 05/09/25 09:29

Lab Sample ID: 500-268062-23
Matrix: Water

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			06/12/25 19:20	1

Qualifiers

Metals

Qualifier	Qualifier Description
^1+	Initial Calibration Verification (ICV) is outside acceptance limits, high biased.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
B	Compound was found in the blank and sample.
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
E	Result exceeded calibration range.
F1	MS and/or MSD recovery exceeds control limits.
F5	Duplicate RPD exceeds limit, and one or both sample results are less than 5 times RL, and the absolute difference between results is < the upper reporting limits for both.
H	Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Metals

Prep Batch: 7039

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-268062-1	MW-5A_20250507	Dissolved	Water	1638	
500-268062-1	MW-5A_20250507	Total Recoverable	Water	1638	
500-268062-3	MW-5SB_20250507	Dissolved	Water	1638	
500-268062-3	MW-5SB_20250507	Total Recoverable	Water	1638	
500-268062-5	MW-42_20250507	Dissolved	Water	1638	
500-268062-5	MW-42_20250507	Total Recoverable	Water	1638	
500-268062-7	MW-38_20250507	Dissolved	Water	1638	
500-268062-7	MW-38_20250507	Total Recoverable	Water	1638	
MB 350-7039/1-A	Method Blank	Total Recoverable	Water	1638	
MB 350-7039/2-A	Method Blank	Total Recoverable	Water	1638	
LCS 350-7039/3-A	Lab Control Sample	Total Recoverable	Water	1638	
LCSD 350-7039/4-A	Lab Control Sample Dup	Total Recoverable	Water	1638	
500-268062-1 MS	MW-5A_20250507	Dissolved	Water	1638	
500-268062-1 MS	MW-5A_20250507	Total Recoverable	Water	1638	
500-268062-1 MSD	MW-5A_20250507	Dissolved	Water	1638	
500-268062-1 MSD	MW-5A_20250507	Total Recoverable	Water	1638	

Analysis Batch: 7063

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-268062-1	MW-5A_20250507	Dissolved	Water	1638	7039
500-268062-1	MW-5A_20250507	Total Recoverable	Water	1638	7039
500-268062-3	MW-5SB_20250507	Dissolved	Water	1638	7039
500-268062-3	MW-5SB_20250507	Total Recoverable	Water	1638	7039
500-268062-5	MW-42_20250507	Dissolved	Water	1638	7039
500-268062-5	MW-42_20250507	Total Recoverable	Water	1638	7039
500-268062-7	MW-38_20250507	Dissolved	Water	1638	7039
500-268062-7	MW-38_20250507	Total Recoverable	Water	1638	7039
MB 350-7039/1-A	Method Blank	Total Recoverable	Water	1638	7039
MB 350-7039/2-A	Method Blank	Total Recoverable	Water	1638	7039
LCS 350-7039/3-A	Lab Control Sample	Total Recoverable	Water	1638	7039
LCSD 350-7039/4-A	Lab Control Sample Dup	Total Recoverable	Water	1638	7039
500-268062-1 MS	MW-5A_20250507	Dissolved	Water	1638	7039
500-268062-1 MS	MW-5A_20250507	Total Recoverable	Water	1638	7039
500-268062-1 MSD	MW-5A_20250507	Dissolved	Water	1638	7039
500-268062-1 MSD	MW-5A_20250507	Total Recoverable	Water	1638	7039

Prep Batch: 7094

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-268062-9	PRC-01_20250507	Dissolved	Water	1638	
500-268062-11	MW-10_20250507	Dissolved	Water	1638	
500-268062-13	PNC-03_20250507	Dissolved	Water	1638	
500-268062-17	MW-35SB_20250507	Dissolved	Water	1638	
500-268062-20	SMW-3_20250508	Dissolved	Water	1638	
MB 350-7094/1-A	Method Blank	Total Recoverable	Water	1638	
MB 350-7094/2-A	Method Blank	Total Recoverable	Water	1638	
LCS 350-7094/3-A	Lab Control Sample	Total Recoverable	Water	1638	
LCSD 350-7094/4-A	Lab Control Sample Dup	Total Recoverable	Water	1638	

Prep Batch: 7095

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-268062-9	PRC-01_20250507	Total Recoverable	Water	1638	

Metals (Continued)

Prep Batch: 7095 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-268062-11	MW-10_20250507	Total Recoverable	Water	1638	
500-268062-13	PNC-03_20250507	Total Recoverable	Water	1638	
500-268062-15	FB-01-GW_20250507	Total Recoverable	Water	1638	
500-268062-17	MW-35SB_20250507	Total Recoverable	Water	1638	
500-268062-20	SMW-3_20250508	Total Recoverable	Water	1638	
500-268062-22	SMW-3SB_20250508	Dissolved	Water	1638	
500-268062-22	SMW-3SB_20250508	Total Recoverable	Water	1638	
MB 350-7095/1-A	Method Blank	Total Recoverable	Water	1638	
MB 350-7095/2-A	Method Blank	Total Recoverable	Water	1638	
LCS 350-7095/3-A	Lab Control Sample	Total Recoverable	Water	1638	
LCSD 350-7095/4-A	Lab Control Sample Dup	Total Recoverable	Water	1638	
500-268062-9 MS	PRC-01_20250507	Total Recoverable	Water	1638	
500-268062-9 MSD	PRC-01_20250507	Total Recoverable	Water	1638	
500-268062-22 MS	SMW-3SB_20250508	Dissolved	Water	1638	
500-268062-22 MSD	SMW-3SB_20250508	Dissolved	Water	1638	

Analysis Batch: 7164

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-268062-9	PRC-01_20250507	Dissolved	Water	1638	7094
500-268062-9	PRC-01_20250507	Total Recoverable	Water	1638	7095
500-268062-11	MW-10_20250507	Dissolved	Water	1638	7094
500-268062-11	MW-10_20250507	Total Recoverable	Water	1638	7095
500-268062-13	PNC-03_20250507	Dissolved	Water	1638	7094
500-268062-13	PNC-03_20250507	Total Recoverable	Water	1638	7095
500-268062-15	FB-01-GW_20250507	Total Recoverable	Water	1638	7095
500-268062-17	MW-35SB_20250507	Dissolved	Water	1638	7094
500-268062-17	MW-35SB_20250507	Total Recoverable	Water	1638	7095
500-268062-20	SMW-3_20250508	Dissolved	Water	1638	7094
500-268062-20	SMW-3_20250508	Total Recoverable	Water	1638	7095
500-268062-22	SMW-3SB_20250508	Dissolved	Water	1638	7095
500-268062-22	SMW-3SB_20250508	Total Recoverable	Water	1638	7095
MB 350-7094/1-A	Method Blank	Total Recoverable	Water	1638	7094
MB 350-7094/2-A	Method Blank	Total Recoverable	Water	1638	7094
MB 350-7095/1-A	Method Blank	Total Recoverable	Water	1638	7095
MB 350-7095/2-A	Method Blank	Total Recoverable	Water	1638	7095
LCS 350-7094/3-A	Lab Control Sample	Total Recoverable	Water	1638	7094
LCS 350-7095/3-A	Lab Control Sample	Total Recoverable	Water	1638	7095
LCSD 350-7094/4-A	Lab Control Sample Dup	Total Recoverable	Water	1638	7094
LCSD 350-7095/4-A	Lab Control Sample Dup	Total Recoverable	Water	1638	7095
500-268062-9 MS	PRC-01_20250507	Total Recoverable	Water	1638	7095
500-268062-9 MSD	PRC-01_20250507	Total Recoverable	Water	1638	7095
500-268062-22 MS	SMW-3SB_20250508	Dissolved	Water	1638	7095
500-268062-22 MSD	SMW-3SB_20250508	Dissolved	Water	1638	7095

Analysis Batch: 7318

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-268062-3	MW-5SB_20250507	Total/NA	Water	1631E	
500-268062-4	MW-5SB_20250507_FBLL	Total/NA	Water	1631E	
500-268062-5	MW-42_20250507	Total/NA	Water	1631E	
500-268062-6	MW-42_20250507_FBLL	Total/NA	Water	1631E	
500-268062-7	MW-38_20250507	Total/NA	Water	1631E	

Metals (Continued)

Analysis Batch: 7318 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-268062-8	MW-38_20250507_FBLL	Total/NA	Water	1631E	
500-268062-9	PRC-01_20250507	Total/NA	Water	1631E	
500-268062-10	PRC-01_20250507_FBLL	Total/NA	Water	1631E	
500-268062-11	MW-10_20250507	Total/NA	Water	1631E	
MB 350-7318/18	Method Blank	Total/NA	Water	1631E	
MB 350-7318/19	Method Blank	Total/NA	Water	1631E	
MB 350-7318/20	Method Blank	Total/NA	Water	1631E	
LCS 350-7318/58	Lab Control Sample	Total/NA	Water	1631E	
LCSD 350-7318/59	Lab Control Sample Dup	Total/NA	Water	1631E	

Analysis Batch: 7370

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-268062-1	MW-5A_20250507	Dissolved	Water	1631E	
500-268062-1	MW-5A_20250507	Total/NA	Water	1631E	
500-268062-2	MW-5A_20250507_FBLL	Total/NA	Water	1631E	
500-268062-3	MW-5SB_20250507	Dissolved	Water	1631E	
500-268062-5	MW-42_20250507	Dissolved	Water	1631E	
500-268062-7	MW-38_20250507	Dissolved	Water	1631E	
500-268062-9	PRC-01_20250507	Dissolved	Water	1631E	
500-268062-11	MW-10_20250507	Dissolved	Water	1631E	
500-268062-12	MW-10_20250507_FBLL	Total/NA	Water	1631E	
500-268062-13	PNC-03_20250507	Dissolved	Water	1631E	
500-268062-13	PNC-03_20250507	Total/NA	Water	1631E	
500-268062-14	PNC-03_20250507_FBLL	Total/NA	Water	1631E	
500-268062-15	FB-01-GW_20250507	Total/NA	Water	1631E	
500-268062-16	FB-01-GW_20250507_FBLL	Total/NA	Water	1631E	
500-268062-17	MW-35SB_20250507	Dissolved	Water	1631E	
500-268062-17	MW-35SB_20250507	Total/NA	Water	1631E	
500-268062-18	MW-35SB_20250507_FBLL	Total/NA	Water	1631E	
500-268062-19	FB-02_20250507	Total/NA	Water	1631E	
500-268062-20	SMW-3_20250508	Dissolved	Water	1631E	
500-268062-20	SMW-3_20250508	Total/NA	Water	1631E	
500-268062-21	SMW-3_20250508_FBLL	Total/NA	Water	1631E	
500-268062-22	SMW-3SB_20250508	Dissolved	Water	1631E	
500-268062-22	SMW-3SB_20250508	Total/NA	Water	1631E	
500-268062-23	SMW-3SB_20250508_FBLL	Total/NA	Water	1631E	
MB 350-7370/30	Method Blank	Total/NA	Water	1631E	
MB 350-7370/31	Method Blank	Total/NA	Water	1631E	
MB 350-7370/32	Method Blank	Total/NA	Water	1631E	
MB 350-7370/35	Method Blank	Total/NA	Water	1631E	
MB 350-7370/36	Method Blank	Total/NA	Water	1631E	
MB 350-7370/37	Method Blank	Total/NA	Water	1631E	
LCS 350-7370/38	Lab Control Sample	Total/NA	Water	1631E	
LCS 350-7370/40	Lab Control Sample	Total/NA	Water	1631E	
LCSD 350-7370/39	Lab Control Sample Dup	Total/NA	Water	1631E	
LCSD 350-7370/41	Lab Control Sample Dup	Total/NA	Water	1631E	
500-268062-1 MS	MW-5A_20250507	Dissolved	Water	1631E	
500-268062-1 MS	MW-5A_20250507	Total/NA	Water	1631E	
500-268062-1 MSD	MW-5A_20250507	Dissolved	Water	1631E	
500-268062-1 MSD	MW-5A_20250507	Total/NA	Water	1631E	
500-268062-2 MS	MW-5A_20250507_FBLL	Total/NA	Water	1631E	

Metals (Continued)

Analysis Batch: 7370 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-268062-2 MSD	MW-5A_20250507_FBLL	Total/NA	Water	1631E	

Prep Batch: 7432

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-268062-1	MW-5A_20250507	Dissolved	Water	1630	
500-268062-1	MW-5A_20250507	Total/NA	Water	1630	
500-268062-3	MW-5SB_20250507	Dissolved	Water	1630	
500-268062-3	MW-5SB_20250507	Total/NA	Water	1630	
500-268062-5	MW-42_20250507	Dissolved	Water	1630	
500-268062-5	MW-42_20250507	Total/NA	Water	1630	
500-268062-7	MW-38_20250507	Dissolved	Water	1630	
500-268062-7	MW-38_20250507	Total/NA	Water	1630	
500-268062-9	PRC-01_20250507	Dissolved	Water	1630	
500-268062-9	PRC-01_20250507	Total/NA	Water	1630	
500-268062-11	MW-10_20250507	Dissolved	Water	1630	
500-268062-11	MW-10_20250507	Total/NA	Water	1630	
500-268062-13	PNC-03_20250507	Dissolved	Water	1630	
500-268062-13	PNC-03_20250507	Total/NA	Water	1630	
500-268062-15	FB-01-GW_20250507	Total/NA	Water	1630	
500-268062-17	MW-35SB_20250507	Dissolved	Water	1630	
500-268062-17	MW-35SB_20250507	Total/NA	Water	1630	
MB 350-7432/1-A	Method Blank	Total/NA	Water	1630	
MB 350-7432/2-A	Method Blank	Total/NA	Water	1630	
MB 350-7432/3-A	Method Blank	Total/NA	Water	1630	
LCS 350-7432/4-A	Lab Control Sample	Total/NA	Water	1630	
LCSD 350-7432/5-A	Lab Control Sample Dup	Total/NA	Water	1630	
500-268062-1 MS	MW-5A_20250507	Dissolved	Water	1630	
500-268062-1 MS	MW-5A_20250507	Total/NA	Water	1630	
500-268062-1 MSD	MW-5A_20250507	Dissolved	Water	1630	
500-268062-1 MSD	MW-5A_20250507	Total/NA	Water	1630	

Prep Batch: 7450

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-268062-20	SMW-3_20250508	Dissolved	Water	1630	
500-268062-20	SMW-3_20250508	Total/NA	Water	1630	
500-268062-22	SMW-3SB_20250508	Dissolved	Water	1630	
500-268062-22	SMW-3SB_20250508	Total/NA	Water	1630	
MB 350-7450/1-A	Method Blank	Total/NA	Water	1630	
MB 350-7450/2-A	Method Blank	Total/NA	Water	1630	
MB 350-7450/3-A	Method Blank	Total/NA	Water	1630	
LCS 350-7450/4-A	Lab Control Sample	Total/NA	Water	1630	
LCSD 350-7450/5-A	Lab Control Sample Dup	Total/NA	Water	1630	

Analysis Batch: 7479

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-268062-1	MW-5A_20250507	Dissolved	Water	1630	7432
500-268062-1	MW-5A_20250507	Total/NA	Water	1630	7432
500-268062-3	MW-5SB_20250507	Dissolved	Water	1630	7432
500-268062-3	MW-5SB_20250507	Total/NA	Water	1630	7432
500-268062-5	MW-42_20250507	Dissolved	Water	1630	7432
500-268062-5	MW-42_20250507	Total/NA	Water	1630	7432

Metals (Continued)

Analysis Batch: 7479 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-268062-7	MW-38_20250507	Dissolved	Water	1630	7432
500-268062-7	MW-38_20250507	Total/NA	Water	1630	7432
500-268062-9	PRC-01_20250507	Dissolved	Water	1630	7432
500-268062-9	PRC-01_20250507	Total/NA	Water	1630	7432
500-268062-11	MW-10_20250507	Dissolved	Water	1630	7432
500-268062-11	MW-10_20250507	Total/NA	Water	1630	7432
500-268062-13	PNC-03_20250507	Dissolved	Water	1630	7432
500-268062-13	PNC-03_20250507	Total/NA	Water	1630	7432
500-268062-15	FB-01-GW_20250507	Total/NA	Water	1630	7432
500-268062-17	MW-35SB_20250507	Dissolved	Water	1630	7432
500-268062-17	MW-35SB_20250507	Total/NA	Water	1630	7432
500-268062-20	SMW-3_20250508	Dissolved	Water	1630	7450
500-268062-20	SMW-3_20250508	Total/NA	Water	1630	7450
500-268062-22	SMW-3SB_20250508	Dissolved	Water	1630	7450
500-268062-22	SMW-3SB_20250508	Total/NA	Water	1630	7450
MB 350-7432/1-A	Method Blank	Total/NA	Water	1630	7432
MB 350-7432/2-A	Method Blank	Total/NA	Water	1630	7432
MB 350-7432/3-A	Method Blank	Total/NA	Water	1630	7432
MB 350-7450/1-A	Method Blank	Total/NA	Water	1630	7450
MB 350-7450/2-A	Method Blank	Total/NA	Water	1630	7450
MB 350-7450/3-A	Method Blank	Total/NA	Water	1630	7450
LCS 350-7432/4-A	Lab Control Sample	Total/NA	Water	1630	7432
LCS 350-7450/4-A	Lab Control Sample	Total/NA	Water	1630	7450
LCSD 350-7432/5-A	Lab Control Sample Dup	Total/NA	Water	1630	7432
LCSD 350-7450/5-A	Lab Control Sample Dup	Total/NA	Water	1630	7450
500-268062-1 MS	MW-5A_20250507	Dissolved	Water	1630	7432
500-268062-1 MS	MW-5A_20250507	Total/NA	Water	1630	7432
500-268062-1 MSD	MW-5A_20250507	Dissolved	Water	1630	7432
500-268062-1 MSD	MW-5A_20250507	Total/NA	Water	1630	7432

Prep Batch: 817409

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-268062-1	MW-5A_20250507	Dissolved	Water	3005A	
500-268062-1	MW-5A_20250507	Total Recoverable	Water	3005A	
500-268062-3	MW-5SB_20250507	Dissolved	Water	3005A	
500-268062-3	MW-5SB_20250507	Total Recoverable	Water	3005A	
500-268062-5	MW-42_20250507	Dissolved	Water	3005A	
500-268062-5	MW-42_20250507	Total Recoverable	Water	3005A	
500-268062-7	MW-38_20250507	Dissolved	Water	3005A	
500-268062-7	MW-38_20250507	Total Recoverable	Water	3005A	
500-268062-9	PRC-01_20250507	Dissolved	Water	3005A	
500-268062-9	PRC-01_20250507	Total Recoverable	Water	3005A	
500-268062-11	MW-10_20250507	Dissolved	Water	3005A	
500-268062-11	MW-10_20250507	Total Recoverable	Water	3005A	
500-268062-13	PNC-03_20250507	Dissolved	Water	3005A	
500-268062-13	PNC-03_20250507	Total Recoverable	Water	3005A	
500-268062-17	MW-35SB_20250507	Dissolved	Water	3005A	
500-268062-17	MW-35SB_20250507	Total Recoverable	Water	3005A	
500-268062-20	SMW-3_20250508	Dissolved	Water	3005A	
500-268062-20	SMW-3_20250508	Total Recoverable	Water	3005A	
500-268062-22	SMW-3SB_20250508	Dissolved	Water	3005A	

Metals (Continued)

Prep Batch: 817409 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-268062-22	SMW-3SB_20250508	Total Recoverable	Water	3005A	
MB 500-817409/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 500-817409/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
500-268062-1 MS	MW-5A_20250507	Dissolved	Water	3005A	
500-268062-1 MS	MW-5A_20250507	Total Recoverable	Water	3005A	
500-268062-1 MSD	MW-5A_20250507	Dissolved	Water	3005A	
500-268062-1 MSD	MW-5A_20250507	Total Recoverable	Water	3005A	
500-268062-1 DU	MW-5A_20250507	Dissolved	Water	3005A	
500-268062-1 DU	MW-5A_20250507	Total Recoverable	Water	3005A	

Prep Batch: 817598

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-268062-15	FB-01-GW_20250507	Total Recoverable	Water	3005A	
MB 500-817598/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 500-817598/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Analysis Batch: 817979

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-268062-1	MW-5A_20250507	Dissolved	Water	6020B	817409
500-268062-1	MW-5A_20250507	Total Recoverable	Water	6020B	817409
500-268062-3	MW-5SB_20250507	Dissolved	Water	6020B	817409
500-268062-3	MW-5SB_20250507	Total Recoverable	Water	6020B	817409
500-268062-5	MW-42_20250507	Dissolved	Water	6020B	817409
500-268062-5	MW-42_20250507	Total Recoverable	Water	6020B	817409
500-268062-7	MW-38_20250507	Dissolved	Water	6020B	817409
500-268062-7	MW-38_20250507	Total Recoverable	Water	6020B	817409
500-268062-9	PRC-01_20250507	Dissolved	Water	6020B	817409
500-268062-9	PRC-01_20250507	Total Recoverable	Water	6020B	817409
500-268062-11	MW-10_20250507	Dissolved	Water	6020B	817409
500-268062-11	MW-10_20250507	Total Recoverable	Water	6020B	817409
500-268062-13	PNC-03_20250507	Dissolved	Water	6020B	817409
500-268062-13	PNC-03_20250507	Total Recoverable	Water	6020B	817409
500-268062-17	MW-35SB_20250507	Dissolved	Water	6020B	817409
500-268062-17	MW-35SB_20250507	Total Recoverable	Water	6020B	817409
500-268062-20	SMW-3_20250508	Dissolved	Water	6020B	817409
500-268062-20	SMW-3_20250508	Total Recoverable	Water	6020B	817409
500-268062-22	SMW-3SB_20250508	Dissolved	Water	6020B	817409
500-268062-22	SMW-3SB_20250508	Total Recoverable	Water	6020B	817409
MB 500-817409/1-A	Method Blank	Total Recoverable	Water	6020B	817409
LCS 500-817409/2-A	Lab Control Sample	Total Recoverable	Water	6020B	817409
500-268062-1 MS	MW-5A_20250507	Dissolved	Water	6020B	817409
500-268062-1 MS	MW-5A_20250507	Total Recoverable	Water	6020B	817409
500-268062-1 MSD	MW-5A_20250507	Dissolved	Water	6020B	817409
500-268062-1 MSD	MW-5A_20250507	Total Recoverable	Water	6020B	817409
500-268062-1 DU	MW-5A_20250507	Dissolved	Water	6020B	817409
500-268062-1 DU	MW-5A_20250507	Total Recoverable	Water	6020B	817409

Analysis Batch: 817988

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-268062-1	MW-5A_20250507	Total Recoverable	Water	SM 2340B	817409
500-268062-3	MW-5SB_20250507	Total Recoverable	Water	SM 2340B	817409

Metals (Continued)

Analysis Batch: 817988 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-268062-5	MW-42_20250507	Total Recoverable	Water	SM 2340B	817409
500-268062-7	MW-38_20250507	Total Recoverable	Water	SM 2340B	817409
500-268062-9	PRC-01_20250507	Total Recoverable	Water	SM 2340B	817409
500-268062-11	MW-10_20250507	Total Recoverable	Water	SM 2340B	817409
500-268062-13	PNC-03_20250507	Total Recoverable	Water	SM 2340B	817409
500-268062-15	FB-01-GW_20250507	Total Recoverable	Water	SM 2340B	817598
500-268062-17	MW-35SB_20250507	Total Recoverable	Water	SM 2340B	817409
500-268062-20	SMW-3_20250508	Total Recoverable	Water	SM 2340B	817409
500-268062-22	SMW-3SB_20250508	Total Recoverable	Water	SM 2340B	817409

Analysis Batch: 818182

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-268062-11	MW-10_20250507	Dissolved	Water	6020B	817409
500-268062-11	MW-10_20250507	Dissolved	Water	6020B	817409
500-268062-11	MW-10_20250507	Total Recoverable	Water	6020B	817409
500-268062-13	PNC-03_20250507	Dissolved	Water	6020B	817409
500-268062-17	MW-35SB_20250507	Dissolved	Water	6020B	817409
500-268062-20	SMW-3_20250508	Dissolved	Water	6020B	817409
500-268062-22	SMW-3SB_20250508	Dissolved	Water	6020B	817409

Analysis Batch: 818685

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-268062-15	FB-01-GW_20250507	Total Recoverable	Water	6020B	817598
MB 500-817598/1-A	Method Blank	Total Recoverable	Water	6020B	817598
LCS 500-817598/2-A	Lab Control Sample	Total Recoverable	Water	6020B	817598

General Chemistry

Analysis Batch: 817092

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-268062-1	MW-5A_20250507	Total/NA	Water	300.0	
500-268062-3	MW-5SB_20250507	Total/NA	Water	300.0	
500-268062-5	MW-42_20250507	Total/NA	Water	300.0	
500-268062-7	MW-38_20250507	Total/NA	Water	300.0	
500-268062-9	PRC-01_20250507	Total/NA	Water	300.0	
500-268062-11	MW-10_20250507	Total/NA	Water	300.0	
500-268062-13	PNC-03_20250507	Total/NA	Water	300.0	
500-268062-15	FB-01-GW_20250507	Total/NA	Water	300.0	
500-268062-17	MW-35SB_20250507	Total/NA	Water	300.0	
500-268062-20	SMW-3_20250508	Total/NA	Water	300.0	
500-268062-22	SMW-3SB_20250508	Total/NA	Water	300.0	
MB 500-817092/3	Method Blank	Total/NA	Water	300.0	
LCS 500-817092/4	Lab Control Sample	Total/NA	Water	300.0	
500-268062-1 MS	MW-5A_20250507	Total/NA	Water	300.0	
500-268062-1 MSD	MW-5A_20250507	Total/NA	Water	300.0	
500-268062-7 MS	MW-38_20250507	Total/NA	Water	300.0	
500-268062-7 MSD	MW-38_20250507	Total/NA	Water	300.0	

Analysis Batch: 817093

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-268062-1	MW-5A_20250507	Total/NA	Water	300.0	

General Chemistry (Continued)

Analysis Batch: 817093 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-268062-3	MW-5SB_20250507	Total/NA	Water	300.0	
500-268062-5	MW-42_20250507	Total/NA	Water	300.0	
500-268062-7	MW-38_20250507	Total/NA	Water	300.0	
500-268062-9	PRC-01_20250507	Total/NA	Water	300.0	
500-268062-11	MW-10_20250507	Total/NA	Water	300.0	
500-268062-13	PNC-03_20250507	Total/NA	Water	300.0	
500-268062-15	FB-01-GW_20250507	Total/NA	Water	300.0	
500-268062-17	MW-35SB_20250507	Total/NA	Water	300.0	
500-268062-20	SMW-3_20250508	Total/NA	Water	300.0	
500-268062-22	SMW-3SB_20250508	Total/NA	Water	300.0	
MB 500-817093/3	Method Blank	Total/NA	Water	300.0	
LCS 500-817093/4	Lab Control Sample	Total/NA	Water	300.0	
500-268062-1 MS	MW-5A_20250507	Total/NA	Water	300.0	
500-268062-1 MSD	MW-5A_20250507	Total/NA	Water	300.0	
500-268062-7 MS	MW-38_20250507	Total/NA	Water	300.0	
500-268062-7 MSD	MW-38_20250507	Total/NA	Water	300.0	

Analysis Batch: 817125

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-268062-1	MW-5A_20250507	Total/NA	Water	SM 2540D	
500-268062-3	MW-5SB_20250507	Total/NA	Water	SM 2540D	
500-268062-5	MW-42_20250507	Total/NA	Water	SM 2540D	
500-268062-7	MW-38_20250507	Total/NA	Water	SM 2540D	
500-268062-9	PRC-01_20250507	Total/NA	Water	SM 2540D	
500-268062-11	MW-10_20250507	Total/NA	Water	SM 2540D	
500-268062-13	PNC-03_20250507	Total/NA	Water	SM 2540D	
500-268062-15	FB-01-GW_20250507	Total/NA	Water	SM 2540D	
500-268062-17	MW-35SB_20250507	Total/NA	Water	SM 2540D	
MB 500-817125/1	Method Blank	Total/NA	Water	SM 2540D	
LCS 500-817125/2	Lab Control Sample	Total/NA	Water	SM 2540D	
500-268062-1 MS	MW-5A_20250507	Total/NA	Water	SM 2540D	
500-268062-1 MSD	MW-5A_20250507	Total/NA	Water	SM 2540D	
500-268062-7 DU	MW-38_20250507	Total/NA	Water	SM 2540D	

Analysis Batch: 817401

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-268062-20	SMW-3_20250508	Total/NA	Water	SM 2540D	
500-268062-22	SMW-3SB_20250508	Total/NA	Water	SM 2540D	
MB 500-817401/1	Method Blank	Total/NA	Water	SM 2540D	
LCS 500-817401/2	Lab Control Sample	Total/NA	Water	SM 2540D	
500-268062-20 MS	SMW-3_20250508	Total/NA	Water	SM 2540D	
500-268062-22 DU	SMW-3SB_20250508	Total/NA	Water	SM 2540D	

Analysis Batch: 817551

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-268062-1	MW-5A_20250507	Total/NA	Water	SM 2540C	
500-268062-3	MW-5SB_20250507	Total/NA	Water	SM 2540C	
500-268062-5	MW-42_20250507	Total/NA	Water	SM 2540C	
500-268062-7	MW-38_20250507	Total/NA	Water	SM 2540C	
500-268062-9	PRC-01_20250507	Total/NA	Water	SM 2540C	
500-268062-11	MW-10_20250507	Total/NA	Water	SM 2540C	

General Chemistry (Continued)

Analysis Batch: 817551 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-268062-13	PNC-03_20250507	Total/NA	Water	SM 2540C	
500-268062-15	FB-01-GW_20250507	Total/NA	Water	SM 2540C	
500-268062-17	MW-35SB_20250507	Total/NA	Water	SM 2540C	
500-268062-20	SMW-3_20250508	Total/NA	Water	SM 2540C	
500-268062-22	SMW-3SB_20250508	Total/NA	Water	SM 2540C	
MB 500-817551/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-817551/2	Lab Control Sample	Total/NA	Water	SM 2540C	
500-268062-1 MS	MW-5A_20250507	Total/NA	Water	SM 2540C	
500-268062-1 MSD	MW-5A_20250507	Total/NA	Water	SM 2540C	
500-268062-3 DU	MW-5SB_20250507	Total/NA	Water	SM 2540C	

Analysis Batch: 817552

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-268062-1	MW-5A_20250507	Total/NA	Water	SM 4500 S2 F	
500-268062-3	MW-5SB_20250507	Total/NA	Water	SM 4500 S2 F	
500-268062-5	MW-42_20250507	Total/NA	Water	SM 4500 S2 F	
500-268062-7	MW-38_20250507	Total/NA	Water	SM 4500 S2 F	
500-268062-9	PRC-01_20250507	Total/NA	Water	SM 4500 S2 F	
500-268062-11	MW-10_20250507	Total/NA	Water	SM 4500 S2 F	
500-268062-13	PNC-03_20250507	Total/NA	Water	SM 4500 S2 F	
500-268062-15	FB-01-GW_20250507	Total/NA	Water	SM 4500 S2 F	
500-268062-17	MW-35SB_20250507	Total/NA	Water	SM 4500 S2 F	
MB 500-817552/1	Method Blank	Total/NA	Water	SM 4500 S2 F	
LCS 500-817552/2	Lab Control Sample	Total/NA	Water	SM 4500 S2 F	
500-268062-1 MS	MW-5A_20250507	Total/NA	Water	SM 4500 S2 F	
500-268062-1 MSD	MW-5A_20250507	Total/NA	Water	SM 4500 S2 F	

Analysis Batch: 817729

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-268062-20	SMW-3_20250508	Total/NA	Water	SM 4500 S2 F	
500-268062-22	SMW-3SB_20250508	Total/NA	Water	SM 4500 S2 F	
MB 500-817729/1	Method Blank	Total/NA	Water	SM 4500 S2 F	
LCS 500-817729/2	Lab Control Sample	Total/NA	Water	SM 4500 S2 F	

Prep Batch: 817989

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-268062-1	MW-5A_20250507	Total/NA	Water	365.2/365.3/365	
500-268062-3	MW-5SB_20250507	Total/NA	Water	365.2/365.3/365	
500-268062-5	MW-42_20250507	Total/NA	Water	365.2/365.3/365	
500-268062-7	MW-38_20250507	Total/NA	Water	365.2/365.3/365	
MB 500-817989/1-A	Method Blank	Total/NA	Water	365.2/365.3/365	
LCS 500-817989/2-A	Lab Control Sample	Total/NA	Water	365.2/365.3/365	
500-268062-1 MS	MW-5A_20250507	Total/NA	Water	365.2/365.3/365	
500-268062-1 MSD	MW-5A_20250507	Total/NA	Water	365.2/365.3/365	

Prep Batch: 818112

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-268062-1	MW-5A_20250507	Total/NA	Water	Distill/CN	
500-268062-3	MW-5SB_20250507	Total/NA	Water	Distill/CN	
500-268062-5	MW-42_20250507	Total/NA	Water	Distill/CN	
500-268062-13	PNC-03_20250507	Total/NA	Water	Distill/CN	

General Chemistry (Continued)

Prep Batch: 818112 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-268062-15	FB-01-GW_20250507	Total/NA	Water	Distill/CN	
500-268062-17	MW-35SB_20250507	Total/NA	Water	Distill/CN	
500-268062-20	SMW-3_20250508	Total/NA	Water	Distill/CN	
500-268062-22	SMW-3SB_20250508	Total/NA	Water	Distill/CN	
MB 500-818112/1-A	Method Blank	Total/NA	Water	Distill/CN	
LCS 500-818112/2-A	Lab Control Sample	Total/NA	Water	Distill/CN	
500-268062-1 MS	MW-5A_20250507	Total/NA	Water	Distill/CN	
500-268062-1 MSD	MW-5A_20250507	Total/NA	Water	Distill/CN	

Analysis Batch: 818127

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-268062-22	SMW-3SB_20250508	Total/NA	Water	335.4	818112
MB 500-818112/1-A	Method Blank	Total/NA	Water	335.4	818112
LCS 500-818112/2-A	Lab Control Sample	Total/NA	Water	335.4	818112

Analysis Batch: 818259

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-268062-1	MW-5A_20250507	Total/NA	Water	365.1	817989
500-268062-3	MW-5SB_20250507	Total/NA	Water	365.1	817989
500-268062-5	MW-42_20250507	Total/NA	Water	365.1	817989
500-268062-7	MW-38_20250507	Total/NA	Water	365.1	817989
MB 500-817989/1-A	Method Blank	Total/NA	Water	365.1	817989
LCS 500-817989/2-A	Lab Control Sample	Total/NA	Water	365.1	817989
500-268062-1 MS	MW-5A_20250507	Total/NA	Water	365.1	817989
500-268062-1 MSD	MW-5A_20250507	Total/NA	Water	365.1	817989

Prep Batch: 818297

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-268062-7	MW-38_20250507	Total/NA	Water	Distill/CN	
500-268062-9	PRC-01_20250507	Total/NA	Water	Distill/CN	
500-268062-11	MW-10_20250507	Total/NA	Water	Distill/CN	
MB 500-818297/1-A	Method Blank	Total/NA	Water	Distill/CN	
LCS 500-818297/2-A	Lab Control Sample	Total/NA	Water	Distill/CN	
500-268062-7 MS	MW-38_20250507	Total/NA	Water	Distill/CN	
500-268062-7 MSD	MW-38_20250507	Total/NA	Water	Distill/CN	

Analysis Batch: 818382

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-268062-1	MW-5A_20250507	Total/NA	Water	335.4	818112
500-268062-3	MW-5SB_20250507	Total/NA	Water	335.4	818112
500-268062-5	MW-42_20250507	Total/NA	Water	335.4	818112
500-268062-7	MW-38_20250507	Total/NA	Water	335.4	818297
500-268062-9	PRC-01_20250507	Total/NA	Water	335.4	818297
500-268062-11	MW-10_20250507	Total/NA	Water	335.4	818297
500-268062-13	PNC-03_20250507	Total/NA	Water	335.4	818112
500-268062-15	FB-01-GW_20250507	Total/NA	Water	335.4	818112
500-268062-17	MW-35SB_20250507	Total/NA	Water	335.4	818112
500-268062-20	SMW-3_20250508	Total/NA	Water	335.4	818112
MB 500-818112/1-A	Method Blank	Total/NA	Water	335.4	818112
MB 500-818297/1-A	Method Blank	Total/NA	Water	335.4	818297
LCS 500-818112/2-A	Lab Control Sample	Total/NA	Water	335.4	818112

General Chemistry (Continued)

Analysis Batch: 818382 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 500-818297/2-A	Lab Control Sample	Total/NA	Water	335.4	818297
500-268062-1 MS	MW-5A_20250507	Total/NA	Water	335.4	818112
500-268062-1 MSD	MW-5A_20250507	Total/NA	Water	335.4	818112
500-268062-7 MS	MW-38_20250507	Total/NA	Water	335.4	818297
500-268062-7 MSD	MW-38_20250507	Total/NA	Water	335.4	818297

Analysis Batch: 818472

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-268062-1	MW-5A_20250507	Total/NA	Water	SM 2320B	
500-268062-3	MW-5SB_20250507	Total/NA	Water	SM 2320B	
500-268062-5	MW-42_20250507	Total/NA	Water	SM 2320B	
500-268062-7	MW-38_20250507	Total/NA	Water	SM 2320B	
500-268062-9	PRC-01_20250507	Total/NA	Water	SM 2320B	
500-268062-11	MW-10_20250507	Total/NA	Water	SM 2320B	
500-268062-13	PNC-03_20250507	Total/NA	Water	SM 2320B	
500-268062-15	FB-01-GW_20250507	Total/NA	Water	SM 2320B	
500-268062-17	MW-35SB_20250507	Total/NA	Water	SM 2320B	
500-268062-20	SMW-3_20250508	Total/NA	Water	SM 2320B	
500-268062-22	SMW-3SB_20250508	Total/NA	Water	SM 2320B	
MB 500-818472/3	Method Blank	Total/NA	Water	SM 2320B	
LCS 500-818472/4	Lab Control Sample	Total/NA	Water	SM 2320B	

Analysis Batch: 818654

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-268062-1	MW-5A_20250507	Total/NA	Water	SM 5310C	
500-268062-3	MW-5SB_20250507	Total/NA	Water	SM 5310C	
500-268062-5	MW-42_20250507	Total/NA	Water	SM 5310C	
500-268062-7	MW-38_20250507	Total/NA	Water	SM 5310C	
500-268062-9	PRC-01_20250507	Total/NA	Water	SM 5310C	
500-268062-11	MW-10_20250507	Total/NA	Water	SM 5310C	
500-268062-13	PNC-03_20250507	Total/NA	Water	SM 5310C	
500-268062-15	FB-01-GW_20250507	Total/NA	Water	SM 5310C	
500-268062-17	MW-35SB_20250507	Total/NA	Water	SM 5310C	
500-268062-20	SMW-3_20250508	Total/NA	Water	SM 5310C	
500-268062-22	SMW-3SB_20250508	Total/NA	Water	SM 5310C	
MB 500-818654/7	Method Blank	Total/NA	Water	SM 5310C	
LCS 500-818654/8	Lab Control Sample	Total/NA	Water	SM 5310C	
500-268062-1 MS	MW-5A_20250507	Total/NA	Water	SM 5310C	
500-268062-1 MSD	MW-5A_20250507	Total/NA	Water	SM 5310C	

Analysis Batch: 818662

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-268062-1	MW-5A_20250507	Dissolved	Water	SM 5310C	
500-268062-3	MW-5SB_20250507	Dissolved	Water	SM 5310C	
500-268062-5	MW-42_20250507	Dissolved	Water	SM 5310C	
500-268062-7	MW-38_20250507	Dissolved	Water	SM 5310C	
500-268062-9	PRC-01_20250507	Dissolved	Water	SM 5310C	
500-268062-11	MW-10_20250507	Dissolved	Water	SM 5310C	
500-268062-13	PNC-03_20250507	Dissolved	Water	SM 5310C	
500-268062-17	MW-35SB_20250507	Dissolved	Water	SM 5310C	
500-268062-20	SMW-3_20250508	Dissolved	Water	SM 5310C	

General Chemistry (Continued)

Analysis Batch: 818662 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 500-818662/31	Method Blank	Dissolved	Water	SM 5310C	
LCS 500-818662/32	Lab Control Sample	Dissolved	Water	SM 5310C	
500-268062-1 MS	MW-5A_20250507	Dissolved	Water	SM 5310C	
500-268062-1 MSD	MW-5A_20250507	Dissolved	Water	SM 5310C	

Analysis Batch: 818992

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-268062-22	SMW-3SB_20250508	Dissolved	Water	SM 5310C	
MB 500-818992/7	Method Blank	Dissolved	Water	SM 5310C	
LCS 500-818992/8	Lab Control Sample	Dissolved	Water	SM 5310C	

Analysis Batch: 819003

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-268062-1	MW-5A_20250507	Total/NA	Water	SM 2520B	
500-268062-3	MW-5SB_20250507	Total/NA	Water	SM 2520B	
500-268062-5	MW-42_20250507	Total/NA	Water	SM 2520B	
500-268062-7	MW-38_20250507	Total/NA	Water	SM 2520B	

Prep Batch: 819055

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-268062-9	PRC-01_20250507	Total/NA	Water	365.2/365.3/365	
500-268062-11	MW-10_20250507	Total/NA	Water	365.2/365.3/365	
500-268062-13	PNC-03_20250507	Total/NA	Water	365.2/365.3/365	
500-268062-15	FB-01-GW_20250507	Total/NA	Water	365.2/365.3/365	
500-268062-17	MW-35SB_20250507	Total/NA	Water	365.2/365.3/365	
500-268062-20	SMW-3_20250508	Total/NA	Water	365.2/365.3/365	
500-268062-22	SMW-3SB_20250508	Total/NA	Water	365.2/365.3/365	
MB 500-819055/1-A	Method Blank	Total/NA	Water	365.2/365.3/365	
LCS 500-819055/2-A	Lab Control Sample	Total/NA	Water	365.2/365.3/365	
500-268062-9 MS	PRC-01_20250507	Total/NA	Water	365.2/365.3/365	
500-268062-9 MSD	PRC-01_20250507	Total/NA	Water	365.2/365.3/365	

Analysis Batch: 819477

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-268062-3	MW-5SB_20250507	Total/NA	Water	300.0	
500-268062-11	MW-10_20250507	Total/NA	Water	300.0	
MB 500-819477/3	Method Blank	Total/NA	Water	300.0	
LCS 500-819477/4	Lab Control Sample	Total/NA	Water	300.0	
500-268062-3 MS	MW-5SB_20250507	Total/NA	Water	300.0	
500-268062-3 MSD	MW-5SB_20250507	Total/NA	Water	300.0	

Analysis Batch: 819505

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-268062-9	PRC-01_20250507	Total/NA	Water	365.1	819055
500-268062-11	MW-10_20250507	Total/NA	Water	365.1	819055
500-268062-13	PNC-03_20250507	Total/NA	Water	365.1	819055
500-268062-15	FB-01-GW_20250507	Total/NA	Water	365.1	819055
500-268062-17	MW-35SB_20250507	Total/NA	Water	365.1	819055
500-268062-20	SMW-3_20250508	Total/NA	Water	365.1	819055
500-268062-22	SMW-3SB_20250508	Total/NA	Water	365.1	819055
MB 500-819055/1-A	Method Blank	Total/NA	Water	365.1	819055

General Chemistry (Continued)

Analysis Batch: 819505 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 500-819055/2-A	Lab Control Sample	Total/NA	Water	365.1	819055
500-268062-9 MS	PRC-01_20250507	Total/NA	Water	365.1	819055
500-268062-9 MSD	PRC-01_20250507	Total/NA	Water	365.1	819055

Prep Batch: 819665

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-268062-1	MW-5A_20250507	Total/NA	Water	Distill/Ammonia	
500-268062-3	MW-5SB_20250507	Total/NA	Water	Distill/Ammonia	
500-268062-5	MW-42_20250507	Total/NA	Water	Distill/Ammonia	
500-268062-7	MW-38_20250507	Total/NA	Water	Distill/Ammonia	
500-268062-9	PRC-01_20250507	Total/NA	Water	Distill/Ammonia	
500-268062-11	MW-10_20250507	Total/NA	Water	Distill/Ammonia	
500-268062-13	PNC-03_20250507	Total/NA	Water	Distill/Ammonia	
500-268062-15	FB-01-GW_20250507	Total/NA	Water	Distill/Ammonia	
500-268062-17	MW-35SB_20250507	Total/NA	Water	Distill/Ammonia	
500-268062-20	SMW-3_20250508	Total/NA	Water	Distill/Ammonia	
500-268062-22	SMW-3SB_20250508	Total/NA	Water	Distill/Ammonia	
MB 500-819665/1-A	Method Blank	Total/NA	Water	Distill/Ammonia	
LCS 500-819665/2-A	Lab Control Sample	Total/NA	Water	Distill/Ammonia	
500-268062-1 MS	MW-5A_20250507	Total/NA	Water	Distill/Ammonia	
500-268062-1 MSD	MW-5A_20250507	Total/NA	Water	Distill/Ammonia	

Analysis Batch: 819761

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-268062-1	MW-5A_20250507	Total/NA	Water	350.1	819665
500-268062-3	MW-5SB_20250507	Total/NA	Water	350.1	819665
500-268062-5	MW-42_20250507	Total/NA	Water	350.1	819665
500-268062-7	MW-38_20250507	Total/NA	Water	350.1	819665
500-268062-9	PRC-01_20250507	Total/NA	Water	350.1	819665
500-268062-11	MW-10_20250507	Total/NA	Water	350.1	819665
500-268062-13	PNC-03_20250507	Total/NA	Water	350.1	819665
500-268062-15	FB-01-GW_20250507	Total/NA	Water	350.1	819665
500-268062-17	MW-35SB_20250507	Total/NA	Water	350.1	819665
500-268062-20	SMW-3_20250508	Total/NA	Water	350.1	819665
500-268062-22	SMW-3SB_20250508	Total/NA	Water	350.1	819665
MB 500-819665/1-A	Method Blank	Total/NA	Water	350.1	819665
LCS 500-819665/2-A	Lab Control Sample	Total/NA	Water	350.1	819665
500-268062-1 MS	MW-5A_20250507	Total/NA	Water	350.1	819665
500-268062-1 MSD	MW-5A_20250507	Total/NA	Water	350.1	819665

Analysis Batch: 819880

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-268062-9	PRC-01_20250507	Total/NA	Water	SM 2520B	
500-268062-11	MW-10_20250507	Total/NA	Water	SM 2520B	
500-268062-13	PNC-03_20250507	Total/NA	Water	SM 2520B	
500-268062-15	FB-01-GW_20250507	Total/NA	Water	SM 2520B	
500-268062-17	MW-35SB_20250507	Total/NA	Water	SM 2520B	
500-268062-20	SMW-3_20250508	Total/NA	Water	SM 2520B	
500-268062-22	SMW-3SB_20250508	Total/NA	Water	SM 2520B	

Method: 1630 - Methyl Mercury

Lab Sample ID: MB 350-7432/1-A
Matrix: Water
Analysis Batch: 7479

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 7432

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		06/17/25 17:55	06/18/25 14:47	1

Lab Sample ID: MB 350-7432/2-A
Matrix: Water
Analysis Batch: 7479

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 7432

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		06/17/25 17:55	06/18/25 14:58	1

Lab Sample ID: MB 350-7432/3-A
Matrix: Water
Analysis Batch: 7479

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 7432

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		06/17/25 17:55	06/18/25 15:08	1

Lab Sample ID: LCS 350-7432/4-A
Matrix: Water
Analysis Batch: 7479

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 7432

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Methyl Mercury			1.00	0.963		ng/L		96	65 - 135		

Lab Sample ID: LCSD 350-7432/5-A
Matrix: Water
Analysis Batch: 7479

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 7432

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Methyl Mercury			1.00	0.714		ng/L		71	65 - 135	30	35

Lab Sample ID: 500-268062-1 MS
Matrix: Water
Analysis Batch: 7479

Client Sample ID: MW-5A_20250507
Prep Type: Total/NA
Prep Batch: 7432

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Methyl Mercury	<0.022		1.00	0.823		ng/L		82	65 - 135		

Lab Sample ID: 500-268062-1 MSD
Matrix: Water
Analysis Batch: 7479

Client Sample ID: MW-5A_20250507
Prep Type: Total/NA
Prep Batch: 7432

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Methyl Mercury	<0.022		1.00	0.843		ng/L		84	65 - 135	2	35

Lab Sample ID: MB 350-7450/1-A
Matrix: Water
Analysis Batch: 7479

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 7450

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		06/18/25 13:10	06/18/25 20:34	1

Method: 1630 - Methyl Mercury

Lab Sample ID: MB 350-7450/2-A
Matrix: Water
Analysis Batch: 7479

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 7450

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		06/18/25 13:10	06/18/25 20:44	1

Lab Sample ID: MB 350-7450/3-A
Matrix: Water
Analysis Batch: 7479

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 7450

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		06/18/25 13:10	06/18/25 20:54	1

Lab Sample ID: LCS 350-7450/4-A
Matrix: Water
Analysis Batch: 7479

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 7450

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Methyl Mercury			1.00	0.832		ng/L		83	65 - 135		

Lab Sample ID: LCSD 350-7450/5-A
Matrix: Water
Analysis Batch: 7479

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 7450

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Methyl Mercury			1.00	0.831		ng/L		83	65 - 135	0	35

Lab Sample ID: 500-268062-1 MS
Matrix: Water
Analysis Batch: 7479

Client Sample ID: MW-5A_20250507
Prep Type: Dissolved
Prep Batch: 7432

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Methyl Mercury	<0.022		1.00	0.805		ng/L		80	65 - 135		

Lab Sample ID: 500-268062-1 MSD
Matrix: Water
Analysis Batch: 7479

Client Sample ID: MW-5A_20250507
Prep Type: Dissolved
Prep Batch: 7432

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Methyl Mercury	<0.022		1.00	0.847		ng/L		85	65 - 135	5	35

Method: 1631E - Mercury, Low Level (CVAFS)

Lab Sample ID: MB 350-7318/18
Matrix: Water
Analysis Batch: 7318

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			06/10/25 13:59	1

Method: 1631E - Mercury, Low Level (CVAFS) (Continued)

Lab Sample ID: MB 350-7318/19
Matrix: Water
Analysis Batch: 7318

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			06/10/25 14:03	1

Lab Sample ID: MB 350-7318/20
Matrix: Water
Analysis Batch: 7318

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			06/10/25 14:07	1

Lab Sample ID: LCS 350-7318/58
Matrix: Water
Analysis Batch: 7318

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	5.00	5.21		ng/L		104	77 - 123

Lab Sample ID: LCSD 350-7318/59
Matrix: Water
Analysis Batch: 7318

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	5.00	5.08		ng/L		102	77 - 123	3	24

Lab Sample ID: MB 350-7370/30
Matrix: Water
Analysis Batch: 7370

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			06/12/25 16:09	1

Lab Sample ID: MB 350-7370/31
Matrix: Water
Analysis Batch: 7370

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			06/12/25 16:13	1

Lab Sample ID: MB 350-7370/32
Matrix: Water
Analysis Batch: 7370

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			06/12/25 16:17	1

Lab Sample ID: MB 350-7370/35
Matrix: Water
Analysis Batch: 7370

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			06/12/25 16:29	1

Method: 1631E - Mercury, Low Level (CVAFS)

Lab Sample ID: MB 350-7370/36
Matrix: Water
Analysis Batch: 7370

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			06/12/25 16:33	1

Lab Sample ID: MB 350-7370/37
Matrix: Water
Analysis Batch: 7370

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			06/12/25 16:38	1

Lab Sample ID: LCS 350-7370/38
Matrix: Water
Analysis Batch: 7370

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury			5.00	4.32		ng/L		86	77 - 123		

Lab Sample ID: LCS 350-7370/40
Matrix: Water
Analysis Batch: 7370

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury			5.00	4.31		ng/L		86	77 - 123		

Lab Sample ID: LCSD 350-7370/39
Matrix: Water
Analysis Batch: 7370

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury			5.00	4.35		ng/L		87	77 - 123	1	24

Lab Sample ID: LCSD 350-7370/41
Matrix: Water
Analysis Batch: 7370

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury			5.00	4.30		ng/L		86	77 - 123	0	24

Lab Sample ID: 500-268062-1 MS
Matrix: Water
Analysis Batch: 7370

Client Sample ID: MW-5A_20250507
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury	0.66		5.00	4.83		ng/L		83	71 - 125		

Lab Sample ID: 500-268062-1 MSD
Matrix: Water
Analysis Batch: 7370

Client Sample ID: MW-5A_20250507
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	0.66		5.00	4.65		ng/L		80	71 - 125	4	24

Method: 1631E - Mercury, Low Level (CVAFS)

Lab Sample ID: 500-268062-2 MS
Matrix: Water
Analysis Batch: 7370

Client Sample ID: MW-5A_20250507_FBLL
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	FB Result	FB Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	<0.20		5.00	4.25		ng/L		85	71 - 125

Lab Sample ID: 500-268062-2 MSD
Matrix: Water
Analysis Batch: 7370

Client Sample ID: MW-5A_20250507_FBLL
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	FB Result	FB Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	<0.20		5.00	4.17		ng/L		83	71 - 125	2	24

Lab Sample ID: 500-268062-1 MS
Matrix: Water
Analysis Batch: 7370

Client Sample ID: MW-5A_20250507
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.27	J	5.00	4.30		ng/L		81	71 - 125

Lab Sample ID: 500-268062-1 MSD
Matrix: Water
Analysis Batch: 7370

Client Sample ID: MW-5A_20250507
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	0.27	J	5.00	4.22		ng/L		79	71 - 125	2	24

Method: 1638 - Metals (ICP/MS)

Lab Sample ID: MB 350-7039/1-A
Matrix: Water
Analysis Batch: 7063

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 7039

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	<0.0098		0.050	0.0098	ug/L		05/27/25 13:44	05/27/25 22:33	1

Lab Sample ID: MB 350-7039/2-A
Matrix: Water
Analysis Batch: 7063

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 7039

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	<0.0098		0.050	0.0098	ug/L		05/27/25 13:44	05/27/25 22:37	1

Lab Sample ID: LCS 350-7039/3-A
Matrix: Water
Analysis Batch: 7063

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 7039

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Uranium	50.0	47.5		ug/L		95	85 - 115

Method: 1638 - Metals (ICP/MS) (Continued)

Lab Sample ID: LCSD 350-7039/4-A
Matrix: Water
Analysis Batch: 7063

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 7039

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Uranium			50.0	48.5		ug/L		97	85 - 115	2	20

Lab Sample ID: 500-268062-1 MS
Matrix: Water
Analysis Batch: 7063

Client Sample ID: MW-5A_20250507
Prep Type: Total Recoverable
Prep Batch: 7039

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Uranium	8.9		50.0	61.5		ug/L		105	70 - 130

Lab Sample ID: 500-268062-1 MSD
Matrix: Water
Analysis Batch: 7063

Client Sample ID: MW-5A_20250507
Prep Type: Total Recoverable
Prep Batch: 7039

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Uranium	8.9		50.0	59.4		ug/L		101	70 - 130	3	20

Lab Sample ID: MB 350-7094/1-A
Matrix: Water
Analysis Batch: 7164

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 7094

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	<0.0098		0.050	0.0098	ug/L		05/29/25 13:00	05/29/25 19:01	1

Lab Sample ID: MB 350-7094/2-A
Matrix: Water
Analysis Batch: 7164

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 7094

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	<0.0098		0.050	0.0098	ug/L		05/29/25 13:00	05/29/25 19:05	1

Lab Sample ID: LCS 350-7094/3-A
Matrix: Water
Analysis Batch: 7164

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 7094

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Uranium			50.0	45.0		ug/L		90	85 - 115

Lab Sample ID: LCSD 350-7094/4-A
Matrix: Water
Analysis Batch: 7164

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 7094

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Uranium			50.0	46.1		ug/L		92	85 - 115	2	20

Lab Sample ID: MB 350-7095/1-A
Matrix: Water
Analysis Batch: 7164

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 7095

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	<0.0098		0.050	0.0098	ug/L		05/29/25 11:17	05/29/25 21:29	1

Method: 1638 - Metals (ICP/MS)

Lab Sample ID: MB 350-7095/2-A
Matrix: Water
Analysis Batch: 7164

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 7095

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	<0.0098		0.050	0.0098	ug/L		05/29/25 11:17	05/29/25 21:32	1

Lab Sample ID: LCS 350-7095/3-A
Matrix: Water
Analysis Batch: 7164

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 7095

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Uranium	50.0	45.2		ug/L		90	85 - 115

Lab Sample ID: LCSD 350-7095/4-A
Matrix: Water
Analysis Batch: 7164

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 7095

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Uranium	50.0	46.5		ug/L		93	85 - 115	3	20

Lab Sample ID: 500-268062-9 MS
Matrix: Water
Analysis Batch: 7164

Client Sample ID: PRC-01_20250507
Prep Type: Total Recoverable
Prep Batch: 7095

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Uranium	0.33		50.0	47.5		ug/L		94	70 - 130

Lab Sample ID: 500-268062-9 MSD
Matrix: Water
Analysis Batch: 7164

Client Sample ID: PRC-01_20250507
Prep Type: Total Recoverable
Prep Batch: 7095

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Uranium	0.33		50.0	48.3		ug/L		96	70 - 130	2	20

Lab Sample ID: 500-268062-1 MS
Matrix: Water
Analysis Batch: 7063

Client Sample ID: MW-5A_20250507
Prep Type: Dissolved
Prep Batch: 7039

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Uranium	9.2		50.0	59.8		ug/L		101	70 - 130

Lab Sample ID: 500-268062-1 MSD
Matrix: Water
Analysis Batch: 7063

Client Sample ID: MW-5A_20250507
Prep Type: Dissolved
Prep Batch: 7039

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Uranium	9.2		50.0	59.9		ug/L		101	70 - 130	0	20

Lab Sample ID: 500-268062-22 MS
Matrix: Water
Analysis Batch: 7164

Client Sample ID: SMW-3SB_20250508
Prep Type: Dissolved
Prep Batch: 7095

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Uranium	0.43		50.0	47.9		ug/L		95	70 - 130

Method: 1638 - Metals (ICP/MS)

Lab Sample ID: 500-268062-22 MSD
Matrix: Water
Analysis Batch: 7164

Client Sample ID: SMW-3SB_20250508
Prep Type: Dissolved
Prep Batch: 7095

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Uranium	0.43		50.0	47.9		ug/L		95	70 - 130	0	20

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 500-817409/1-A
Matrix: Water
Analysis Batch: 817979

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 817409

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<25		100	25	ug/L		05/13/25 08:21	05/15/25 18:48	1
Antimony	<1.3		3.0	1.3	ug/L		05/13/25 08:21	05/15/25 18:48	1
Arsenic	<0.23		1.0	0.23	ug/L		05/13/25 08:21	05/15/25 18:48	1
Barium	<0.73		2.5	0.73	ug/L		05/13/25 08:21	05/15/25 18:48	1
Beryllium	<0.53		1.0	0.53	ug/L		05/13/25 08:21	05/15/25 18:48	1
Boron	15.4	J	50	13	ug/L		05/13/25 08:21	05/15/25 18:48	1
Cadmium	<0.17		0.50	0.17	ug/L		05/13/25 08:21	05/15/25 18:48	1
Calcium	<44		200	44	ug/L		05/13/25 08:21	05/15/25 18:48	1
Chromium	<1.1		5.0	1.1	ug/L		05/13/25 08:21	05/15/25 18:48	1
Cobalt	<0.40		1.0	0.40	ug/L		05/13/25 08:21	05/15/25 18:48	1
Copper	<0.50		2.0	0.50	ug/L		05/13/25 08:21	05/15/25 18:48	1
Iron	<47		100	47	ug/L		05/13/25 08:21	05/15/25 18:48	1
Lead	<0.19		0.50	0.19	ug/L		05/13/25 08:21	05/15/25 18:48	1
Lithium	<2.5		10	2.5	ug/L		05/13/25 08:21	05/15/25 18:48	1
Magnesium	<49		200	49	ug/L		05/13/25 08:21	05/15/25 18:48	1
Manganese	<0.79		2.5	0.79	ug/L		05/13/25 08:21	05/15/25 18:48	1
Molybdenum	<2.5		5.0	2.5	ug/L		05/13/25 08:21	05/15/25 18:48	1
Nickel	<0.63		2.0	0.63	ug/L		05/13/25 08:21	05/15/25 18:48	1
Potassium	<110		500	110	ug/L		05/13/25 08:21	05/15/25 18:48	1
Selenium	<0.98		2.5	0.98	ug/L		05/13/25 08:21	05/15/25 18:48	1
Silver	<0.12		0.50	0.12	ug/L		05/13/25 08:21	05/15/25 18:48	1
Sodium	<77		200	77	ug/L		05/13/25 08:21	05/15/25 18:48	1
Strontium	<0.64		4.0	0.64	ug/L		05/13/25 08:21	05/15/25 18:48	1
Thallium	<0.57		2.0	0.57	ug/L		05/13/25 08:21	05/15/25 18:48	1
Tin	<1.3		5.0	1.3	ug/L		05/13/25 08:21	05/15/25 18:48	1
Vanadium	<2.2		5.0	2.2	ug/L		05/13/25 08:21	05/15/25 18:48	1
Zinc	<6.9		20	6.9	ug/L		05/13/25 08:21	05/15/25 18:48	1

Lab Sample ID: LCS 500-817409/2-A
Matrix: Water
Analysis Batch: 817979

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 817409

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	2000	1980		ug/L		99	80 - 120
Antimony	500	528		ug/L		106	80 - 120
Arsenic	100	99.5		ug/L		99	80 - 120
Barium	500	519		ug/L		104	80 - 120
Beryllium	50.0	51.7		ug/L		103	80 - 120
Boron	1000	1050		ug/L		105	80 - 120
Cadmium	50.0	51.1		ug/L		102	80 - 120

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 500-817409/2-A
Matrix: Water
Analysis Batch: 817979

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 817409

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Calcium	10000	8940		ug/L		89	80 - 120
Chromium	200	201		ug/L		100	80 - 120
Cobalt	500	520		ug/L		104	80 - 120
Copper	250	255		ug/L		102	80 - 120
Iron	1000	1050		ug/L		105	80 - 120
Lead	100	100		ug/L		100	80 - 120
Lithium	100	105		ug/L		105	80 - 120
Magnesium	10000	10500		ug/L		105	80 - 120
Manganese	500	515		ug/L		103	80 - 120
Molybdenum	1000	1000		ug/L		100	80 - 120
Nickel	500	511		ug/L		102	80 - 120
Potassium	10000	10500		ug/L		105	80 - 120
Selenium	100	99.9		ug/L		100	80 - 120
Silver	50.0	51.3		ug/L		103	80 - 120
Sodium	10000	10200		ug/L		102	80 - 120
Strontium	1000	1010		ug/L		101	80 - 120
Thallium	100	103		ug/L		103	80 - 120
Tin	1000	1020		ug/L		102	80 - 120
Vanadium	500	508		ug/L		102	80 - 120
Zinc	500	506		ug/L		101	80 - 120

Lab Sample ID: 500-268062-1 MS
Matrix: Water
Analysis Batch: 817979

Client Sample ID: MW-5A_20250507
Prep Type: Total Recoverable
Prep Batch: 817409

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	<25		2000	2000		ug/L		100	75 - 125
Antimony	<1.3		500	537		ug/L		107	75 - 125
Arsenic	0.35	J	100	102		ug/L		102	75 - 125
Barium	550	F1	500	1200	F1	ug/L		130	75 - 125
Beryllium	<0.53		50.0	49.9		ug/L		100	75 - 125
Boron	170	B	1000	1220		ug/L		104	75 - 125
Cadmium	<0.17		50.0	51.6		ug/L		103	75 - 125
Calcium	170000		10000	181000	4	ug/L		140	75 - 125
Chromium	<1.1		200	199		ug/L		99	75 - 125
Cobalt	<0.40		500	525		ug/L		105	75 - 125
Copper	1.6	J	250	255		ug/L		101	75 - 125
Iron	120		1000	1180		ug/L		107	75 - 125
Lead	<0.19		100	101		ug/L		101	75 - 125
Lithium	49		100	157		ug/L		109	75 - 125
Magnesium	13000		10000	22100		ug/L		89	75 - 125
Manganese	840		500	1360		ug/L		105	75 - 125
Molybdenum	<2.5		1000	1030		ug/L		103	75 - 125
Nickel	0.96	J	500	511		ug/L		102	75 - 125
Potassium	430	J	10000	10900		ug/L		104	75 - 125
Selenium	<0.98		100	103		ug/L		103	75 - 125
Silver	<0.12		50.0	50.9		ug/L		102	75 - 125
Sodium	89000		10000	116000	4	ug/L		263	75 - 125
Strontium	3000		1000	4200		ug/L		122	75 - 125

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 500-268062-1 MS
Matrix: Water
Analysis Batch: 817979

Client Sample ID: MW-5A_20250507
Prep Type: Total Recoverable
Prep Batch: 817409

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Thallium	<0.57		100	104		ug/L		104	75 - 125
Tin	1.3	J	1000	1060		ug/L		105	75 - 125
Vanadium	<2.2		500	511		ug/L		102	75 - 125
Zinc	<6.9		500	510		ug/L		102	75 - 125

Lab Sample ID: 500-268062-1 MSD
Matrix: Water
Analysis Batch: 817979

Client Sample ID: MW-5A_20250507
Prep Type: Total Recoverable
Prep Batch: 817409

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum	<25		2000	1990		ug/L		100	75 - 125	0	20
Antimony	<1.3		500	535		ug/L		107	75 - 125	0	20
Arsenic	0.35	J	100	102		ug/L		102	75 - 125	0	20
Barium	550	F1	500	1130		ug/L		116	75 - 125	6	20
Beryllium	<0.53		50.0	50.4		ug/L		101	75 - 125	1	20
Boron	170	B	1000	1220		ug/L		105	75 - 125	0	20
Cadmium	<0.17		50.0	51.1		ug/L		102	75 - 125	1	20
Calcium	170000		10000	177000	4	ug/L		101	75 - 125	2	20
Chromium	<1.1		200	199		ug/L		99	75 - 125	0	20
Cobalt	<0.40		500	521		ug/L		104	75 - 125	1	20
Copper	1.6	J	250	253		ug/L		100	75 - 125	1	20
Iron	120		1000	1160		ug/L		104	75 - 125	2	20
Lead	<0.19		100	102		ug/L		102	75 - 125	0	20
Lithium	49		100	153		ug/L		104	75 - 125	3	20
Magnesium	13000		10000	22800		ug/L		96	75 - 125	3	20
Manganese	840		500	1350		ug/L		102	75 - 125	1	20
Molybdenum	<2.5		1000	1030		ug/L		103	75 - 125	0	20
Nickel	0.96	J	500	508		ug/L		101	75 - 125	0	20
Potassium	430	J	10000	10900		ug/L		105	75 - 125	1	20
Selenium	<0.98		100	103		ug/L		103	75 - 125	0	20
Silver	<0.12		50.0	51.0		ug/L		102	75 - 125	0	20
Sodium	89000		10000	103000	4	ug/L		136	75 - 125	12	20
Strontium	3000		1000	4040		ug/L		105	75 - 125	4	20
Thallium	<0.57		100	105		ug/L		105	75 - 125	1	20
Tin	1.3	J	1000	1060		ug/L		106	75 - 125	0	20
Vanadium	<2.2		500	515		ug/L		103	75 - 125	1	20
Zinc	<6.9		500	505		ug/L		101	75 - 125	1	20

Lab Sample ID: 500-268062-1 DU
Matrix: Water
Analysis Batch: 817979

Client Sample ID: MW-5A_20250507
Prep Type: Total Recoverable
Prep Batch: 817409

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Aluminum	<25		<25		ug/L		NC	20
Antimony	<1.3		<1.3		ug/L		NC	20
Arsenic	0.35	J	0.316	J	ug/L		11	20
Barium	550	F1	545		ug/L		0.6	20
Beryllium	<0.53		<0.53		ug/L		NC	20
Boron	170	B	151		ug/L		12	20

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 500-268062-1 DU
Matrix: Water
Analysis Batch: 817979

Client Sample ID: MW-5A_20250507
Prep Type: Total Recoverable
Prep Batch: 817409

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Cadmium	<0.17		<0.17		ug/L		NC	20
Calcium	170000		165000		ug/L		1	20
Chromium	<1.1		<1.1		ug/L		NC	20
Cobalt	<0.40		<0.40		ug/L		NC	20
Copper	1.6	J	1.64	J	ug/L		0.2	20
Iron	120		115		ug/L		0.5	20
Lead	<0.19		<0.19		ug/L		NC	20
Lithium	49		47.8		ug/L		2	20
Magnesium	13000		13100		ug/L		1	20
Manganese	840		829		ug/L		0.9	20
Molybdenum	<2.5		<2.5		ug/L		NC	20
Nickel	0.96	J	1.06	J	ug/L		10	20
Potassium	430	J	421	J	ug/L		2	20
Selenium	<0.98		<0.98		ug/L		NC	20
Silver	<0.12		<0.12		ug/L		NC	20
Sodium	89000		88000		ug/L		1	20
Strontium	3000		2950		ug/L		1	20
Thallium	<0.57		<0.57		ug/L		NC	20
Tin	1.3	J	<1.3		ug/L		NC	20
Vanadium	<2.2		<2.2		ug/L		NC	20
Zinc	<6.9		<6.9		ug/L		NC	20

Lab Sample ID: MB 500-817598/1-A
Matrix: Water
Analysis Batch: 818685

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 817598

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<25		100	25	ug/L		05/14/25 08:37	05/21/25 14:53	1
Antimony	1.68	J	3.0	1.3	ug/L		05/14/25 08:37	05/21/25 14:53	1
Arsenic	<0.23		1.0	0.23	ug/L		05/14/25 08:37	05/21/25 14:53	1
Barium	<0.73		2.5	0.73	ug/L		05/14/25 08:37	05/21/25 14:53	1
Beryllium	<0.53		1.0	0.53	ug/L		05/14/25 08:37	05/21/25 14:53	1
Boron	<13		50	13	ug/L		05/14/25 08:37	05/21/25 14:53	1
Cadmium	<0.17		0.50	0.17	ug/L		05/14/25 08:37	05/21/25 14:53	1
Calcium	<44		200	44	ug/L		05/14/25 08:37	05/21/25 14:53	1
Chromium	<1.1		5.0	1.1	ug/L		05/14/25 08:37	05/21/25 14:53	1
Cobalt	<0.40		1.0	0.40	ug/L		05/14/25 08:37	05/21/25 14:53	1
Copper	<0.50		2.0	0.50	ug/L		05/14/25 08:37	05/21/25 14:53	1
Iron	<47		100	47	ug/L		05/14/25 08:37	05/21/25 14:53	1
Lead	<0.19		0.50	0.19	ug/L		05/14/25 08:37	05/21/25 14:53	1
Lithium	<2.5		10	2.5	ug/L		05/14/25 08:37	05/21/25 14:53	1
Magnesium	<49		200	49	ug/L		05/14/25 08:37	05/21/25 14:53	1
Manganese	<0.79		2.5	0.79	ug/L		05/14/25 08:37	05/21/25 14:53	1
Molybdenum	<2.5	^1+	5.0	2.5	ug/L		05/14/25 08:37	05/21/25 14:53	1
Nickel	<0.63		2.0	0.63	ug/L		05/14/25 08:37	05/21/25 14:53	1
Potassium	<110		500	110	ug/L		05/14/25 08:37	05/21/25 14:53	1
Selenium	<0.98		2.5	0.98	ug/L		05/14/25 08:37	05/21/25 14:53	1
Silver	<0.12		0.50	0.12	ug/L		05/14/25 08:37	05/21/25 14:53	1
Sodium	<77		200	77	ug/L		05/14/25 08:37	05/21/25 14:53	1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 500-817598/1-A
Matrix: Water
Analysis Batch: 818685

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 817598

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Strontium	<0.64		4.0	0.64	ug/L		05/14/25 08:37	05/21/25 14:53	1
Thallium	<0.57		2.0	0.57	ug/L		05/14/25 08:37	05/21/25 14:53	1
Tin	2.78	J	5.0	1.3	ug/L		05/14/25 08:37	05/21/25 14:53	1
Vanadium	<2.2		5.0	2.2	ug/L		05/14/25 08:37	05/21/25 14:53	1
Zinc	<6.9		20	6.9	ug/L		05/14/25 08:37	05/21/25 14:53	1

Lab Sample ID: LCS 500-817598/2-A
Matrix: Water
Analysis Batch: 818685

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 817598

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	2000	2000		ug/L		100	80 - 120
Antimony	500	535		ug/L		107	80 - 120
Arsenic	100	99.8		ug/L		100	80 - 120
Barium	500	512		ug/L		102	80 - 120
Beryllium	50.0	51.9		ug/L		104	80 - 120
Boron	1000	1040		ug/L		104	80 - 120
Cadmium	50.0	50.9		ug/L		102	80 - 120
Calcium	10000	9220		ug/L		92	80 - 120
Chromium	200	199		ug/L		100	80 - 120
Cobalt	500	533		ug/L		107	80 - 120
Copper	250	251		ug/L		100	80 - 120
Iron	1000	1050		ug/L		105	80 - 120
Lead	100	100		ug/L		100	80 - 120
Lithium	100	104		ug/L		104	80 - 120
Magnesium	10000	10500		ug/L		105	80 - 120
Manganese	500	514		ug/L		103	80 - 120
Molybdenum	1000	1000	^1+	ug/L		100	80 - 120
Nickel	500	509		ug/L		102	80 - 120
Potassium	10000	10600		ug/L		106	80 - 120
Selenium	100	102		ug/L		102	80 - 120
Silver	50.0	52.0		ug/L		104	80 - 120
Sodium	10000	10300		ug/L		103	80 - 120
Strontium	1000	1010		ug/L		101	80 - 120
Thallium	100	97.7		ug/L		98	80 - 120
Tin	1000	1040		ug/L		104	80 - 120
Vanadium	500	512		ug/L		102	80 - 120
Zinc	500	505		ug/L		101	80 - 120

Lab Sample ID: 500-268062-1 MS
Matrix: Water
Analysis Batch: 817979

Client Sample ID: MW-5A_20250507
Prep Type: Dissolved
Prep Batch: 817409

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	<25		2000	1980		ug/L		99	75 - 125
Antimony	<1.3		500	540		ug/L		108	75 - 125
Arsenic	0.35	J	100	103		ug/L		103	75 - 125
Barium	560		500	1160		ug/L		120	75 - 125
Beryllium	<0.53		50.0	49.4		ug/L		99	75 - 125

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 500-268062-1 MS
Matrix: Water
Analysis Batch: 817979

Client Sample ID: MW-5A_20250507
Prep Type: Dissolved
Prep Batch: 817409

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	190	B	1000	1210		ug/L		102	75 - 125
Cadmium	<0.17		50.0	51.4		ug/L		103	75 - 125
Calcium	160000		10000	177000	4	ug/L		163	75 - 125
Chromium	<1.1		200	199		ug/L		100	75 - 125
Cobalt	<0.40		500	527		ug/L		105	75 - 125
Copper	0.89	J	250	252		ug/L		101	75 - 125
Iron	73	J	1000	1090		ug/L		101	75 - 125
Lead	<0.19		100	102		ug/L		102	75 - 125
Lithium	47		100	156		ug/L		108	75 - 125
Magnesium	12000		10000	22200		ug/L		100	75 - 125
Manganese	690		500	1190		ug/L		100	75 - 125
Molybdenum	<2.5		1000	1040		ug/L		104	75 - 125
Nickel	1.2	J	500	512		ug/L		102	75 - 125
Potassium	430	J	10000	11000		ug/L		106	75 - 125
Selenium	<0.98		100	104		ug/L		104	75 - 125
Silver	<0.12		50.0	51.3		ug/L		103	75 - 125
Sodium	91000		10000	111000	4	ug/L		201	75 - 125
Strontium	3000		1000	4180		ug/L		119	75 - 125
Thallium	<0.57		100	104		ug/L		104	75 - 125
Tin	<1.3		1000	1070		ug/L		107	75 - 125
Vanadium	<2.2		500	513		ug/L		103	75 - 125
Zinc	<6.9		500	509		ug/L		102	75 - 125

Lab Sample ID: 500-268062-1 MSD
Matrix: Water
Analysis Batch: 817979

Client Sample ID: MW-5A_20250507
Prep Type: Dissolved
Prep Batch: 817409

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum	<25		2000	1970		ug/L		98	75 - 125	1	20
Antimony	<1.3		500	530		ug/L		106	75 - 125	2	20
Arsenic	0.35	J	100	101		ug/L		101	75 - 125	2	20
Barium	560		500	1110		ug/L		110	75 - 125	4	20
Beryllium	<0.53		50.0	48.6		ug/L		97	75 - 125	2	20
Boron	190	B	1000	1200		ug/L		101	75 - 125	1	20
Cadmium	<0.17		50.0	50.8		ug/L		102	75 - 125	1	20
Calcium	160000		10000	176000	4	ug/L		149	75 - 125	1	20
Chromium	<1.1		200	197		ug/L		98	75 - 125	1	20
Cobalt	<0.40		500	519		ug/L		104	75 - 125	2	20
Copper	0.89	J	250	250		ug/L		100	75 - 125	1	20
Iron	73	J	1000	1100		ug/L		102	75 - 125	1	20
Lead	<0.19		100	101		ug/L		101	75 - 125	2	20
Lithium	47		100	151		ug/L		103	75 - 125	3	20
Magnesium	12000		10000	22500		ug/L		102	75 - 125	1	20
Manganese	690		500	1220		ug/L		105	75 - 125	2	20
Molybdenum	<2.5		1000	1020		ug/L		102	75 - 125	1	20
Nickel	1.2	J	500	503		ug/L		100	75 - 125	2	20
Potassium	430	J	10000	11000		ug/L		105	75 - 125	0	20
Selenium	<0.98		100	102		ug/L		102	75 - 125	2	20
Silver	<0.12		50.0	50.7		ug/L		101	75 - 125	1	20

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 500-268062-1 MSD
Matrix: Water
Analysis Batch: 817979

Client Sample ID: MW-5A_20250507
Prep Type: Dissolved
Prep Batch: 817409

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sodium	91000		10000	103000	4	ug/L		124	75 - 125	7	20
Strontium	3000		1000	4070		ug/L		108	75 - 125	2	20
Thallium	<0.57		100	102		ug/L		102	75 - 125	2	20
Tin	<1.3		1000	1040		ug/L		104	75 - 125	2	20
Vanadium	<2.2		500	504		ug/L		101	75 - 125	2	20
Zinc	<6.9		500	498		ug/L		100	75 - 125	2	20

Lab Sample ID: 500-268062-1 DU
Matrix: Water
Analysis Batch: 817979

Client Sample ID: MW-5A_20250507
Prep Type: Dissolved
Prep Batch: 817409

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Aluminum	<25			<25		ug/L				NC	20
Antimony	<1.3			<1.3		ug/L				NC	20
Arsenic	0.35	J		0.286	J	ug/L				19	20
Barium	560			584		ug/L				4	20
Beryllium	<0.53			<0.53		ug/L				NC	20
Boron	190	B		166		ug/L				15	20
Cadmium	<0.17			<0.17		ug/L				NC	20
Calcium	160000			168000		ug/L				4	20
Chromium	<1.1			<1.1		ug/L				NC	20
Cobalt	<0.40			<0.40		ug/L				NC	20
Copper	0.89	J		0.932	J	ug/L				5	20
Iron	73	J		75.8	J	ug/L				3	20
Lead	<0.19			<0.19		ug/L				NC	20
Lithium	47			50.9		ug/L				7	20
Magnesium	12000			12700		ug/L				4	20
Manganese	690			718		ug/L				4	20
Molybdenum	<2.5			<2.5		ug/L				NC	20
Nickel	1.2	J		1.42	J	ug/L				18	20
Potassium	430	J		446	J	ug/L				4	20
Selenium	<0.98			<0.98		ug/L				NC	20
Silver	<0.12			<0.12		ug/L				NC	20
Sodium	91000			94100		ug/L				4	20
Strontium	3000			3120		ug/L				4	20
Thallium	<0.57			<0.57		ug/L				NC	20
Tin	<1.3			<1.3		ug/L				NC	20
Vanadium	<2.2			<2.2		ug/L				NC	20
Zinc	<6.9			<6.9		ug/L				NC	20

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 500-817092/3
Matrix: Water
Analysis Batch: 817092

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	<0.45		1.0	0.45	mg/L			05/09/25 12:04	1
Chloride	<0.42		1.0	0.42	mg/L			05/09/25 12:04	1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: MB 500-817092/3
Matrix: Water
Analysis Batch: 817092

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	<0.43		1.0	0.43	mg/L			05/09/25 12:04	1
Sulfate	<0.47		1.0	0.47	mg/L			05/09/25 12:04	1

Lab Sample ID: LCS 500-817092/4
Matrix: Water
Analysis Batch: 817092

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bromide	20.0	18.9		mg/L		94	90 - 110
Chloride	100	104		mg/L		104	90 - 110
Fluoride	20.0	19.8		mg/L		99	90 - 110
Sulfate	100	106		mg/L		106	90 - 110

Lab Sample ID: 500-268062-1 MS
Matrix: Water
Analysis Batch: 817092

Client Sample ID: MW-5A_20250507
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Bromide	2.2		10.0	13.4		mg/L		112	80 - 120
Chloride	230		10.0	272	E 4	mg/L		445	80 - 120
Fluoride	<0.43		10.0	10.7		mg/L		107	80 - 120
Sulfate	3.7		10.0	13.7		mg/L		99	80 - 120

Lab Sample ID: 500-268062-1 MSD
Matrix: Water
Analysis Batch: 817092

Client Sample ID: MW-5A_20250507
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Bromide	2.2		10.0	13.2		mg/L		110	80 - 120	2	20
Chloride	230		10.0	260	E 4	mg/L		329	80 - 120	4	20
Fluoride	<0.43		10.0	10.5		mg/L		105	80 - 120	2	20
Sulfate	3.7		10.0	14.1		mg/L		104	80 - 120	3	20

Lab Sample ID: 500-268062-7 MS
Matrix: Water
Analysis Batch: 817092

Client Sample ID: MW-38_20250507
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Bromide	<0.45		10.0	10.3		mg/L		103	80 - 120
Chloride	29		10.0	40.0		mg/L		107	80 - 120
Fluoride	0.88	J	10.0	11.7		mg/L		108	80 - 120
Sulfate	16		10.0	27.1		mg/L		114	80 - 120

Lab Sample ID: 500-268062-7 MSD
Matrix: Water
Analysis Batch: 817092

Client Sample ID: MW-38_20250507
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Bromide	<0.45		10.0	10.4		mg/L		104	80 - 120	1	20
Chloride	29		10.0	40.6		mg/L		112	80 - 120	1	20

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 500-268062-7 MSD — **Client Sample ID: MW-38_20250507**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 817092

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Fluoride	0.88	J	10.0	11.7		mg/L		109	80 - 120	0	20
Sulfate	16		10.0	27.4		mg/L		117	80 - 120	1	20

Lab Sample ID: MB 500-817093/3 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 817093

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	<0.37		1.0	0.37	mg/L			05/09/25 12:04	1
Nitrite as N	<0.25		1.0	0.25	mg/L			05/09/25 12:04	1
Nitrate Nitrite as N	<0.37		1.0	0.37	mg/L			05/09/25 12:04	1

Lab Sample ID: LCS 500-817093/4 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 817093

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate as N	20.0	20.1		mg/L		101	90 - 110
Nitrite as N	20.0	20.2		mg/L		101	90 - 110
Nitrate Nitrite as N	40.0	40.3		mg/L		101	90 - 110

Lab Sample ID: 500-268062-1 MS — **Client Sample ID: MW-5A_20250507**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 817093

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate as N	<0.37	H F1	2.26	3.14	H F1	mg/L		139	80 - 120
Nitrite as N	<0.25	H	3.03	3.63	H	mg/L		120	80 - 120
Nitrate Nitrite as N	<0.37	H F1	5.29	6.77	H F1	mg/L		128	80 - 120

Lab Sample ID: 500-268062-1 MSD — **Client Sample ID: MW-5A_20250507**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 817093

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrate as N	<0.37	H F1	2.26	3.13	H F1	mg/L		139	80 - 120	0	20
Nitrite as N	<0.25	H	3.03	3.56	H	mg/L		117	80 - 120	2	20
Nitrate Nitrite as N	<0.37	H F1	5.29	6.69	H F1	mg/L		127	80 - 120	1	20

Lab Sample ID: 500-268062-7 MS — **Client Sample ID: MW-38_20250507**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 817093

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate as N	<0.37	F1	2.26	3.04	F1	mg/L		135	80 - 120
Nitrite as N	<0.25		3.03	3.28		mg/L		108	80 - 120
Nitrate Nitrite as N	<0.37	F1	5.29	6.32		mg/L		120	80 - 120

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 500-268062-7 MSD
Matrix: Water
Analysis Batch: 817093

Client Sample ID: MW-38_20250507
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrate as N	<0.37	F1	2.26	3.07	F1	mg/L		136	80 - 120	1	20
Nitrite as N	<0.25		3.03	3.31		mg/L		109	80 - 120	1	20
Nitrate Nitrite as N	<0.37	F1	5.29	6.38	F1	mg/L		121	80 - 120	1	20

Lab Sample ID: MB 500-819477/3
Matrix: Water
Analysis Batch: 819477

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.42		1.0	0.42	mg/L			05/30/25 06:10	1

Lab Sample ID: LCS 500-819477/4
Matrix: Water
Analysis Batch: 819477

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	100	104		mg/L		104	90 - 110

Lab Sample ID: 500-268062-3 MS
Matrix: Water
Analysis Batch: 819477

Client Sample ID: MW-5SB_20250507
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Bromide	<9.1		200	198		mg/L		99	80 - 120
Chloride	390		200	616		mg/L		111	80 - 120
Fluoride	<8.7		200	210		mg/L		105	80 - 120
Sulfate	36		200	250		mg/L		107	80 - 120

Lab Sample ID: 500-268062-3 MSD
Matrix: Water
Analysis Batch: 819477

Client Sample ID: MW-5SB_20250507
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Bromide	<9.1		200	189		mg/L		95	80 - 120	5	20
Chloride	390		200	589		mg/L		97	80 - 120	5	20
Fluoride	<8.7		200	200		mg/L		100	80 - 120	5	20
Sulfate	36		200	239		mg/L		101	80 - 120	4	20

Method: 335.4 - Cyanide, Total

Lab Sample ID: MB 500-818112/1-A
Matrix: Water
Analysis Batch: 818127

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 818112

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.0036		0.0050	0.0036	mg/L		05/18/25 09:15	05/18/25 11:43	1

Method: 335.4 - Cyanide, Total (Continued)

Lab Sample ID: MB 500-818112/1-A
Matrix: Water
Analysis Batch: 818382

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 818112

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.0036		0.0050	0.0036	mg/L		05/18/25 09:15	05/20/25 08:42	1

Lab Sample ID: LCS 500-818112/2-A
Matrix: Water
Analysis Batch: 818127

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 818112

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.100	0.0950		mg/L		95	90 - 110

Lab Sample ID: LCS 500-818112/2-A
Matrix: Water
Analysis Batch: 818382

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 818112

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.100	0.0990		mg/L		99	90 - 110

Lab Sample ID: 500-268062-1 MS
Matrix: Water
Analysis Batch: 818382

Client Sample ID: MW-5A_20250507
Prep Type: Total/NA
Prep Batch: 818112

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	<0.0036		0.100	0.0980		mg/L		98	90 - 110

Lab Sample ID: 500-268062-1 MSD
Matrix: Water
Analysis Batch: 818382

Client Sample ID: MW-5A_20250507
Prep Type: Total/NA
Prep Batch: 818112

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Cyanide, Total	<0.0036		0.100	0.109		mg/L		109	90 - 110	11	20

Lab Sample ID: MB 500-818297/1-A
Matrix: Water
Analysis Batch: 818382

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 818297

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.0036		0.0050	0.0036	mg/L		05/19/25 14:51	05/20/25 08:16	1

Lab Sample ID: LCS 500-818297/2-A
Matrix: Water
Analysis Batch: 818382

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 818297

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.100	0.102		mg/L		102	90 - 110

Lab Sample ID: 500-268062-7 MS
Matrix: Water
Analysis Batch: 818382

Client Sample ID: MW-38_20250507
Prep Type: Total/NA
Prep Batch: 818297

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	<0.0036	F1	0.100	0.103		mg/L		103	90 - 110

Method: 335.4 - Cyanide, Total

Lab Sample ID: 500-268062-7 MSD — **Client Sample ID: MW-38_20250507**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 818382 — **Prep Batch: 818297**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Cyanide, Total	<0.0036	F1	0.100	0.111	F1	mg/L		111	90 - 110	7	20

Method: 350.1 - Nitrogen, Ammonia

Lab Sample ID: MB 500-819665/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 819761 — **Prep Batch: 819665**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	<0.10		0.20	0.10	mg/L		05/30/25 13:00	05/31/25 08:25	1

Lab Sample ID: LCS 500-819665/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 819761 — **Prep Batch: 819665**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ammonia	2.00	2.14		mg/L		107	90 - 110

Lab Sample ID: 500-268062-1 MS — **Client Sample ID: MW-5A_20250507**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 819761 — **Prep Batch: 819665**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ammonia	<0.10		2.00	2.14		mg/L		107	90 - 110

Lab Sample ID: 500-268062-1 MSD — **Client Sample ID: MW-5A_20250507**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 819761 — **Prep Batch: 819665**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Ammonia	<0.10		2.00	2.21		mg/L		110	90 - 110	3	20

Method: 365.1 - Phosphorus, Total

Lab Sample ID: MB 500-817989/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 818259 — **Prep Batch: 817989**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phosphorus as P	<0.024		0.050	0.024	mg/L		05/16/25 09:56	05/19/25 11:14	1

Lab Sample ID: LCS 500-817989/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 818259 — **Prep Batch: 817989**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Phosphorus as P	1.00	0.976		mg/L		98	88 - 123

Method: 365.1 - Phosphorus, Total (Continued)

Lab Sample ID: 500-268062-1 MS
Matrix: Water
Analysis Batch: 818259

Client Sample ID: MW-5A_20250507
Prep Type: Total/NA
Prep Batch: 817989

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Phosphorus as P	<0.024		1.00	0.992		mg/L		99	75 - 125		

Lab Sample ID: 500-268062-1 MSD
Matrix: Water
Analysis Batch: 818259

Client Sample ID: MW-5A_20250507
Prep Type: Total/NA
Prep Batch: 817989

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Phosphorus as P	<0.024		1.00	1.01		mg/L		101	75 - 125	1	20

Lab Sample ID: MB 500-819055/1-A
Matrix: Water
Analysis Batch: 819505

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 819055

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phosphorus as P	<0.024		0.050	0.024	mg/L		05/27/25 09:39	05/29/25 11:02	1

Lab Sample ID: LCS 500-819055/2-A
Matrix: Water
Analysis Batch: 819505

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 819055

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Phosphorus as P	1.00	0.954		mg/L		95	88 - 123

Lab Sample ID: 500-268062-9 MS
Matrix: Water
Analysis Batch: 819505

Client Sample ID: PRC-01_20250507
Prep Type: Total/NA
Prep Batch: 819055

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Phosphorus as P	<0.024		1.00	0.979		mg/L		98	75 - 125

Lab Sample ID: 500-268062-9 MSD
Matrix: Water
Analysis Batch: 819505

Client Sample ID: PRC-01_20250507
Prep Type: Total/NA
Prep Batch: 819055

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Phosphorus as P	<0.024		1.00	0.985		mg/L		99	75 - 125	1	20

Method: SM 2320B - Alkalinity

Lab Sample ID: MB 500-818472/3
Matrix: Water
Analysis Batch: 818472

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	<3.7		5.0	3.7	mg/L			05/20/25 10:03	1
Bicarbonate Alkalinity as CaCO3	<3.7		5.0	3.7	mg/L			05/20/25 10:03	1
Carbonate Alkalinity as CaCO3	<3.7		5.0	3.7	mg/L			05/20/25 10:03	1

Method: SM 2320B - Alkalinity (Continued)

Lab Sample ID: LCS 500-818472/4
Matrix: Water
Analysis Batch: 818472

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Alkalinity			100	104		mg/L		104	95 - 121		

Method: SM 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 500-817551/1
Matrix: Water
Analysis Batch: 817551

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<4.3		10	4.3	mg/L			05/14/25 01:56	1

Lab Sample ID: LCS 500-817551/2
Matrix: Water
Analysis Batch: 817551

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Dissolved Solids			250	260		mg/L		104	80 - 120		

Lab Sample ID: 500-268062-1 MS
Matrix: Water
Analysis Batch: 817551

Client Sample ID: MW-5A_20250507
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Dissolved Solids	880		250	1090		mg/L		82	75 - 125		

Lab Sample ID: 500-268062-1 MSD
Matrix: Water
Analysis Batch: 817551

Client Sample ID: MW-5A_20250507
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Dissolved Solids	880		250	1110		mg/L		94	75 - 125	3	20

Lab Sample ID: 500-268062-3 DU
Matrix: Water
Analysis Batch: 817551

Client Sample ID: MW-5SB_20250507
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	700		732		mg/L		5	5

Method: SM 2540D - Solids, Total Suspended (TSS)

Lab Sample ID: MB 500-817125/1
Matrix: Water
Analysis Batch: 817125

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	<1.9		5.0	1.9	mg/L			05/09/25 13:47	1

Method: SM 2540D - Solids, Total Suspended (TSS) (Continued)

Lab Sample ID: LCS 500-817125/2
Matrix: Water
Analysis Batch: 817125

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Suspended Solids			200	188		mg/L		94	80 - 120		

Lab Sample ID: 500-268062-1 MS
Matrix: Water
Analysis Batch: 817125

Client Sample ID: MW-5A_20250507
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Suspended Solids	3.0	J	100	91.0		mg/L		88	75 - 125		

Lab Sample ID: 500-268062-1 MSD
Matrix: Water
Analysis Batch: 817125

Client Sample ID: MW-5A_20250507
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Suspended Solids	3.0	J	100	96.0		mg/L		93	75 - 125	5	20

Lab Sample ID: 500-268062-7 DU
Matrix: Water
Analysis Batch: 817125

Client Sample ID: MW-38_20250507
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Suspended Solids	<1.9		<1.9		mg/L		NC	5

Lab Sample ID: MB 500-817401/1
Matrix: Water
Analysis Batch: 817401

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	<1.9		5.0	1.9	mg/L			05/13/25 07:51	1

Lab Sample ID: LCS 500-817401/2
Matrix: Water
Analysis Batch: 817401

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Suspended Solids			200	193		mg/L		97	80 - 120		

Lab Sample ID: 500-268062-20 MS
Matrix: Water
Analysis Batch: 817401

Client Sample ID: SMW-3_20250508
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Suspended Solids	<1.9		100	100		mg/L		100	75 - 125		

Lab Sample ID: 500-268062-22 DU
Matrix: Water
Analysis Batch: 817401

Client Sample ID: SMW-3SB_20250508
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Suspended Solids	4.0	J	4.60	J F5	mg/L		14	5

Method: SM 4500 S2 F - Sulfide, Total

Lab Sample ID: MB 500-817552/1
Matrix: Water
Analysis Batch: 817552

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	<0.23		1.0	0.23	mg/L			05/14/25 00:17	1

Lab Sample ID: LCS 500-817552/2
Matrix: Water
Analysis Batch: 817552

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfide	3.97	3.71		mg/L		94	85 - 115

Lab Sample ID: 500-268062-1 MS
Matrix: Water
Analysis Batch: 817552

Client Sample ID: MW-5A_20250507
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfide	<0.23		3.97	3.52		mg/L		89	75 - 125

Lab Sample ID: 500-268062-1 MSD
Matrix: Water
Analysis Batch: 817552

Client Sample ID: MW-5A_20250507
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfide	<0.23		3.97	3.30		mg/L		83	75 - 125	7	20

Lab Sample ID: MB 500-817729/1
Matrix: Water
Analysis Batch: 817729

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	<0.23		1.0	0.23	mg/L			05/15/25 00:49	1

Lab Sample ID: LCS 500-817729/2
Matrix: Water
Analysis Batch: 817729

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfide	3.97	3.57		mg/L		90	85 - 115

Method: SM 5310C - TOC

Lab Sample ID: MB 500-818654/7
Matrix: Water
Analysis Batch: 818654

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	<0.47		1.0	0.47	mg/L			05/20/25 13:14	1

Method: SM 5310C - TOC (Continued)

Lab Sample ID: LCS 500-818654/8
Matrix: Water
Analysis Batch: 818654

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Organic Carbon			10.0	10.6		mg/L		106	86 - 116		

Lab Sample ID: 500-268062-1 MS
Matrix: Water
Analysis Batch: 818654

Client Sample ID: MW-5A_20250507
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Organic Carbon	2.6		10.0	14.1		mg/L		115	75 - 125		

Lab Sample ID: 500-268062-1 MSD
Matrix: Water
Analysis Batch: 818654

Client Sample ID: MW-5A_20250507
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Organic Carbon	2.6		10.0	14.2		mg/L		116	75 - 125	1	20

Method: SM 5310C - Organic Carbon, Dissolved (DOC)

Lab Sample ID: MB 500-818662/31
Matrix: Water
Analysis Batch: 818662

Client Sample ID: Method Blank
Prep Type: Dissolved

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon	<0.47		1.0	0.47	mg/L			05/21/25 02:08	1

Lab Sample ID: LCS 500-818662/32
Matrix: Water
Analysis Batch: 818662

Client Sample ID: Lab Control Sample
Prep Type: Dissolved

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Dissolved Organic Carbon			10.0	10.6		mg/L		106	86 - 116		

Lab Sample ID: 500-268062-1 MS
Matrix: Water
Analysis Batch: 818662

Client Sample ID: MW-5A_20250507
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Dissolved Organic Carbon	2.8		10.0	14.2		mg/L		114	75 - 125		

Lab Sample ID: 500-268062-1 MSD
Matrix: Water
Analysis Batch: 818662

Client Sample ID: MW-5A_20250507
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Dissolved Organic Carbon	2.8		10.0	14.1		mg/L		114	75 - 125	0	20

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-268062-1

Method: SM 5310C - Organic Carbon, Dissolved (DOC) (Continued)

Lab Sample ID: MB 500-818992/7
Matrix: Water
Analysis Batch: 818992

Client Sample ID: Method Blank
Prep Type: Dissolved

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon	<0.47		1.0	0.47	mg/L			05/25/25 13:37	1

Lab Sample ID: LCS 500-818992/8
Matrix: Water
Analysis Batch: 818992

Client Sample ID: Lab Control Sample
Prep Type: Dissolved

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Dissolved Organic Carbon	10.0	10.4		mg/L		104	86 - 116

Lab Chronicle

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-268062-1

Client Sample ID: MW-5A_20250507

Lab Sample ID: 500-268062-1

Date Collected: 05/07/25 11:45
Matrix: Water
Date Received: 05/09/25 09:29

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	1630			7432	MR	EET SSM	06/17/25 17:55
Dissolved	Analysis	1630		1	7479	COW	EET SSM	06/18/25 22:16
Total/NA	Prep	1630			7432	MR	EET SSM	06/17/25 17:55
Total/NA	Analysis	1630		1	7479	COW	EET SSM	06/18/25 21:45
Dissolved	Analysis	1631E		1	7370	AJD	EET SSM	06/12/25 15:52
Total/NA	Analysis	1631E		1	7370	AJD	EET SSM	06/12/25 15:48
Dissolved	Prep	1638			7039	V1R	EET SSM	05/27/25 13:44
Dissolved	Analysis	1638		1	7063	COW	EET SSM	05/27/25 22:56
Total Recoverable	Prep	1638			7039	V1R	EET SSM	05/27/25 13:44
Total Recoverable	Analysis	1638		1	7063	COW	EET SSM	05/27/25 23:07
Dissolved	Prep	3005A			817409	BDE	EET CHI	05/13/25 08:21 - 05/13/25 14:21 ¹
Dissolved	Analysis	6020B		1	817979	RN	EET CHI	05/15/25 19:36
Total Recoverable	Prep	3005A			817409	BDE	EET CHI	05/13/25 08:21 - 05/13/25 14:21 ¹
Total Recoverable	Analysis	6020B		1	817979	RN	EET CHI	05/15/25 18:53
Total Recoverable	Prep	3005A			817409	BDE	EET CHI	05/13/25 08:21 - 05/13/25 14:21 ¹
Total Recoverable	Analysis	SM 2340B		1	817988	DAJ	EET CHI	05/16/25 09:56
Total/NA	Analysis	300.0		1	817092	MM	EET CHI	05/09/25 15:23
Total/NA	Analysis	300.0		1	817093	MM	EET CHI	05/09/25 15:23
Total/NA	Prep	Distill/CN			818112	AC	EET CHI	05/18/25 09:15 - 05/18/25 09:45 ¹
Total/NA	Analysis	335.4		1	818382	AC	EET CHI	05/20/25 08:47
Total/NA	Prep	Distill/Ammonia			819665	EB	EET CHI	05/30/25 13:00 - 05/30/25 14:00 ¹
Total/NA	Analysis	350.1		1	819761	EB	EET CHI	05/31/25 08:25
Total/NA	Prep	365.2/365.3/365			817989	MF	EET CHI	05/16/25 09:56 - 05/16/25 13:56 ¹
Total/NA	Analysis	365.1		1	818259	MF	EET CHI	05/19/25 11:35
Total/NA	Analysis	SM 2320B		1	818472	AC	EET CHI	05/20/25 10:42
Total/NA	Analysis	SM 2520B		1	819003	AC	EET CHI	05/27/25 07:21
Total/NA	Analysis	SM 2540C		1	817551	CLB	EET CHI	05/14/25 02:06
Total/NA	Analysis	SM 2540D		1	817125	NM	EET CHI	05/09/25 15:08 - 05/09/25 15:12 ¹
Total/NA	Analysis	SM 4500 S2 F		1	817552	CLB	EET CHI	05/14/25 00:51 - 05/14/25 00:55 ¹
Dissolved	Analysis	SM 5310C		1	818662	TR	EET CHI	05/21/25 05:22
Total/NA	Analysis	SM 5310C		1	818654	TR	EET CHI	05/20/25 14:51

Client Sample ID: MW-5A_20250507_FBLL

Lab Sample ID: 500-268062-2

Date Collected: 05/07/25 11:45
Matrix: Water
Date Received: 05/09/25 09:29

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	1631E		1	7370	AJD	EET SSM	06/12/25 15:56

Lab Chronicle

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-268062-1

Client Sample ID: MW-5SB_20250507

Lab Sample ID: 500-268062-3

Date Collected: 05/07/25 12:45

Matrix: Water

Date Received: 05/09/25 09:29

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	1630			7432	MR	EET SSM	06/17/25 17:55
Dissolved	Analysis	1630		1	7479	COW	EET SSM	06/18/25 23:48
Total/NA	Prep	1630			7432	MR	EET SSM	06/17/25 17:55
Total/NA	Analysis	1630		1	7479	COW	EET SSM	06/18/25 23:58
Dissolved	Analysis	1631E		1	7370	AJD	EET SSM	06/12/25 17:40
Total/NA	Analysis	1631E		1	7318	CL	EET SSM	06/10/25 18:22
Dissolved	Prep	1638			7039	V1R	EET SSM	05/27/25 13:44
Dissolved	Analysis	1638		1	7063	COW	EET SSM	05/27/25 23:18
Total Recoverable	Prep	1638			7039	V1R	EET SSM	05/27/25 13:44
Total Recoverable	Analysis	1638		1	7063	COW	EET SSM	05/27/25 23:36
Dissolved	Prep	3005A			817409	BDE	EET CHI	05/13/25 08:21 - 05/13/25 14:21 [1]
Dissolved	Analysis	6020B		1	817979	RN	EET CHI	05/15/25 19:48
Total Recoverable	Prep	3005A			817409	BDE	EET CHI	05/13/25 08:21 - 05/13/25 14:21 [1]
Total Recoverable	Analysis	6020B		1	817979	RN	EET CHI	05/15/25 19:09
Total Recoverable	Prep	3005A			817409	BDE	EET CHI	05/13/25 08:21 - 05/13/25 14:21 [1]
Total Recoverable	Analysis	SM 2340B		1	817988	DAJ	EET CHI	05/16/25 09:56
Total/NA	Analysis	300.0		1	817092	MM	EET CHI	05/09/25 16:24
Total/NA	Analysis	300.0		1	817093	MM	EET CHI	05/09/25 16:24
Total/NA	Analysis	300.0		20	819477	MB	EET CHI	05/30/25 07:30
Total/NA	Prep	Distill/CN			818112	AC	EET CHI	05/18/25 09:15 - 05/18/25 09:45 [1]
Total/NA	Analysis	335.4		1	818382	AC	EET CHI	05/20/25 08:50
Total/NA	Prep	Distill/Ammonia			819665	EB	EET CHI	05/30/25 13:00 - 05/30/25 14:00 [1]
Total/NA	Analysis	350.1		1	819761	EB	EET CHI	05/31/25 08:27
Total/NA	Prep	365.2/365.3/365			817989	MF	EET CHI	05/16/25 09:56 - 05/16/25 13:56 [1]
Total/NA	Analysis	365.1		1	818259	MF	EET CHI	05/19/25 11:38
Total/NA	Analysis	SM 2320B		1	818472	AC	EET CHI	05/20/25 10:52
Total/NA	Analysis	SM 2520B		1	819003	AC	EET CHI	05/27/25 07:21
Total/NA	Analysis	SM 2540C		1	817551	CLB	EET CHI	05/14/25 02:14
Total/NA	Analysis	SM 2540D		1	817125	NM	EET CHI	05/09/25 14:27 - 05/09/25 14:32 [1]
Total/NA	Analysis	SM 4500 S2 F		1	817552	CLB	EET CHI	05/14/25 01:03 - 05/14/25 01:07 [1]
Dissolved	Analysis	SM 5310C		1	818662	TR	EET CHI	05/21/25 06:59
Total/NA	Analysis	SM 5310C		1	818654	TR	EET CHI	05/20/25 16:28

Client Sample ID: MW-5SB_20250507_FBLL

Lab Sample ID: 500-268062-4

Date Collected: 05/07/25 12:45

Matrix: Water

Date Received: 05/09/25 09:29

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	1631E		1	7318	CL	EET SSM	06/10/25 18:26

Lab Chronicle

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-268062-1

Client Sample ID: MW-42_20250507

Lab Sample ID: 500-268062-5

Date Collected: 05/07/25 15:00
Matrix: Water
Date Received: 05/09/25 09:29

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	1630			7432	MR	EET SSM	06/17/25 17:55
Dissolved	Analysis	1630		1	7479	COW	EET SSM	06/19/25 00:08
Total/NA	Prep	1630			7432	MR	EET SSM	06/17/25 17:55
Total/NA	Analysis	1630		1	7479	COW	EET SSM	06/19/25 00:18
Dissolved	Analysis	1631E		1	7370	AJD	EET SSM	06/12/25 17:44
Total/NA	Analysis	1631E		1	7318	CL	EET SSM	06/10/25 18:30
Dissolved	Prep	1638			7039	V1R	EET SSM	05/27/25 13:44
Dissolved	Analysis	1638		1	7063	COW	EET SSM	05/27/25 23:21
Total Recoverable	Prep	1638			7039	V1R	EET SSM	05/27/25 13:44
Total Recoverable	Analysis	1638		1	7063	COW	EET SSM	05/27/25 23:40
Dissolved	Prep	3005A			817409	BDE	EET CHI	05/13/25 08:21 - 05/13/25 14:21 ¹
Dissolved	Analysis	6020B		1	817979	RN	EET CHI	05/15/25 19:51
Total Recoverable	Prep	3005A			817409	BDE	EET CHI	05/13/25 08:21 - 05/13/25 14:21 ¹
Total Recoverable	Analysis	6020B		1	817979	RN	EET CHI	05/15/25 19:12
Total Recoverable	Prep	3005A			817409	BDE	EET CHI	05/13/25 08:21 - 05/13/25 14:21 ¹
Total Recoverable	Analysis	SM 2340B		1	817988	DAJ	EET CHI	05/16/25 09:56
Total/NA	Analysis	300.0		1	817092	MM	EET CHI	05/09/25 13:21
Total/NA	Analysis	300.0		1	817093	MM	EET CHI	05/09/25 13:21
Total/NA	Prep	Distill/CN			818112	AC	EET CHI	05/18/25 09:15 - 05/18/25 09:45 ¹
Total/NA	Analysis	335.4		1	818382	AC	EET CHI	05/20/25 08:51
Total/NA	Prep	Distill/Ammonia			819665	EB	EET CHI	05/30/25 13:00 - 05/30/25 14:00 ¹
Total/NA	Analysis	350.1		1	819761	EB	EET CHI	05/31/25 08:27
Total/NA	Prep	365.2/365.3/365			817989	MF	EET CHI	05/16/25 09:56 - 05/16/25 13:56 ¹
Total/NA	Analysis	365.1		1	818259	MF	EET CHI	05/19/25 11:39
Total/NA	Analysis	SM 2320B		1	818472	AC	EET CHI	05/20/25 11:00
Total/NA	Analysis	SM 2520B		1	819003	AC	EET CHI	05/27/25 07:21
Total/NA	Analysis	SM 2540C		1	817551	CLB	EET CHI	05/14/25 02:19
Total/NA	Analysis	SM 2540D		1	817125	NM	EET CHI	05/09/25 14:41 - 05/09/25 14:45 ¹
Total/NA	Analysis	SM 4500 S2 F		1	817552	CLB	EET CHI	05/14/25 01:07 - 05/14/25 01:11 ¹
Dissolved	Analysis	SM 5310C		1	818662	TR	EET CHI	05/21/25 08:36
Total/NA	Analysis	SM 5310C		1	818654	TR	EET CHI	05/20/25 17:00

Client Sample ID: MW-42_20250507_FBLL

Lab Sample ID: 500-268062-6

Date Collected: 05/07/25 15:00
Matrix: Water
Date Received: 05/09/25 09:29

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	1631E		1	7318	CL	EET SSM	06/10/25 18:34

Lab Chronicle

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-268062-1

Client Sample ID: MW-38_20250507

Lab Sample ID: 500-268062-7

Date Collected: 05/07/25 14:30
Matrix: Water
Date Received: 05/09/25 09:29

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	1630			7432	MR	EET SSM	06/17/25 17:55
Dissolved	Analysis	1630		1	7479	COW	EET SSM	06/19/25 00:28
Total/NA	Prep	1630			7432	MR	EET SSM	06/17/25 17:55
Total/NA	Analysis	1630		1	7479	COW	EET SSM	06/19/25 00:39
Dissolved	Analysis	1631E		1	7370	AJD	EET SSM	06/12/25 17:48
Total/NA	Analysis	1631E		1	7318	CL	EET SSM	06/10/25 18:38
Dissolved	Prep	1638			7039	V1R	EET SSM	05/27/25 13:44
Dissolved	Analysis	1638		1	7063	COW	EET SSM	05/27/25 23:33
Total Recoverable	Prep	1638			7039	V1R	EET SSM	05/27/25 13:44
Total Recoverable	Analysis	1638		1	7063	COW	EET SSM	05/27/25 23:44
Dissolved	Prep	3005A			817409	BDE	EET CHI	05/13/25 08:21 - 05/13/25 14:21 ¹
Dissolved	Analysis	6020B		1	817979	RN	EET CHI	05/15/25 19:53
Total Recoverable	Prep	3005A			817409	BDE	EET CHI	05/13/25 08:21 - 05/13/25 14:21 ¹
Total Recoverable	Analysis	6020B		1	817979	RN	EET CHI	05/15/25 19:14
Total Recoverable	Prep	3005A			817409	BDE	EET CHI	05/13/25 08:21 - 05/13/25 14:21 ¹
Total Recoverable	Analysis	SM 2340B		1	817988	DAJ	EET CHI	05/16/25 09:56
Total/NA	Analysis	300.0		1	817092	MM	EET CHI	05/09/25 12:35
Total/NA	Analysis	300.0		1	817093	MM	EET CHI	05/09/25 12:35
Total/NA	Prep	Distill/CN			818297	AC	EET CHI	05/19/25 14:51 - 05/19/25 15:21 ¹
Total/NA	Analysis	335.4		1	818382	AC	EET CHI	05/20/25 08:18
Total/NA	Prep	Distill/Ammonia			819665	EB	EET CHI	05/30/25 13:00 - 05/30/25 14:00 ¹
Total/NA	Analysis	350.1		1	819761	EB	EET CHI	05/31/25 08:28
Total/NA	Prep	365.2/365.3/365			817989	MF	EET CHI	05/16/25 09:56 - 05/16/25 13:56 ¹
Total/NA	Analysis	365.1		1	818259	MF	EET CHI	05/19/25 11:40
Total/NA	Analysis	SM 2320B		1	818472	AC	EET CHI	05/20/25 11:09
Total/NA	Analysis	SM 2520B		1	819003	AC	EET CHI	05/27/25 07:22
Total/NA	Analysis	SM 2540C		1	817551	CLB	EET CHI	05/14/25 02:21
Total/NA	Analysis	SM 2540D		1	817125	NM	EET CHI	05/09/25 14:32 - 05/09/25 14:36 ¹
Total/NA	Analysis	SM 4500 S2 F		1	817552	CLB	EET CHI	05/14/25 01:11 - 05/14/25 01:15 ¹
Dissolved	Analysis	SM 5310C		1	818662	TR	EET CHI	05/21/25 09:08
Total/NA	Analysis	SM 5310C		1	818654	TR	EET CHI	05/20/25 17:32

Client Sample ID: MW-38_20250507_FBLL

Lab Sample ID: 500-268062-8

Date Collected: 05/07/25 14:30
Matrix: Water
Date Received: 05/09/25 09:29

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	1631E		1	7318	CL	EET SSM	06/10/25 18:51

Lab Chronicle

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-268062-1

Client Sample ID: PRC-01_20250507

Lab Sample ID: 500-268062-9

Date Collected: 05/07/25 17:00

Matrix: Water

Date Received: 05/09/25 09:29

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	1630			7432	MR	EET SSM	06/17/25 17:55
Dissolved	Analysis	1630		1	7479	COW	EET SSM	06/18/25 22:46
Total/NA	Prep	1630			7432	MR	EET SSM	06/17/25 17:55
Total/NA	Analysis	1630		1	7479	COW	EET SSM	06/18/25 22:56
Dissolved	Analysis	1631E		1	7370	AJD	EET SSM	06/12/25 17:52
Total/NA	Analysis	1631E		1	7318	CL	EET SSM	06/10/25 18:55
Dissolved	Prep	1638			7094	COW	EET SSM	05/29/25 13:00
Dissolved	Analysis	1638		1	7164	COW	EET SSM	05/29/25 20:55
Total Recoverable	Prep	1638			7095	COW	EET SSM	05/29/25 11:17
Total Recoverable	Analysis	1638		1	7164	COW	EET SSM	05/29/25 21:54
Dissolved	Prep	3005A			817409	BDE	EET CHI	05/13/25 08:21 - 05/13/25 14:21 [1]
Dissolved	Analysis	6020B		1	817979	RN	EET CHI	05/15/25 19:56
Total Recoverable	Prep	3005A			817409	BDE	EET CHI	05/13/25 08:21 - 05/13/25 14:21 [1]
Total Recoverable	Analysis	6020B		1	817979	RN	EET CHI	05/15/25 19:17
Total Recoverable	Prep	3005A			817409	BDE	EET CHI	05/13/25 08:21 - 05/13/25 14:21 [1]
Total Recoverable	Analysis	SM 2340B		1	817988	DAJ	EET CHI	05/16/25 09:56
Total/NA	Analysis	300.0		1	817092	MM	EET CHI	05/09/25 13:36
Total/NA	Analysis	300.0		1	817093	MM	EET CHI	05/09/25 13:36
Total/NA	Prep	Distill/CN			818297	AC	EET CHI	05/19/25 14:51 - 05/19/25 15:21 [1]
Total/NA	Analysis	335.4		1	818382	AC	EET CHI	05/20/25 08:23
Total/NA	Prep	Distill/Ammonia			819665	EB	EET CHI	05/30/25 13:00 - 05/30/25 14:00 [1]
Total/NA	Analysis	350.1		1	819761	EB	EET CHI	05/31/25 08:28
Total/NA	Prep	365.2/365.3/365			819055	MF	EET CHI	05/27/25 09:39 - 05/27/25 13:39 [1]
Total/NA	Analysis	365.1		1	819505	MF	EET CHI	05/29/25 11:04
Total/NA	Analysis	SM 2320B		1	818472	AC	EET CHI	05/20/25 11:18
Total/NA	Analysis	SM 2520B		1	819880	AC	EET CHI	06/02/25 10:43
Total/NA	Analysis	SM 2540C		1	817551	CLB	EET CHI	05/14/25 02:24
Total/NA	Analysis	SM 2540D		1	817125	NM	EET CHI	05/09/25 14:45 - 05/09/25 14:50 [1]
Total/NA	Analysis	SM 4500 S2 F		1	817552	CLB	EET CHI	05/14/25 01:15 - 05/14/25 01:19 [1]
Dissolved	Analysis	SM 5310C		1	818662	TR	EET CHI	05/21/25 09:40
Total/NA	Analysis	SM 5310C		1	818654	TR	EET CHI	05/20/25 18:05

Client Sample ID: PRC-01_20250507_FBLL

Lab Sample ID: 500-268062-10

Date Collected: 05/07/25 17:00

Matrix: Water

Date Received: 05/09/25 09:29

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	1631E		1	7318	CL	EET SSM	06/10/25 18:59

Lab Chronicle

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-268062-1

Client Sample ID: MW-10_20250507

Date Collected: 05/07/25 16:00
Date Received: 05/09/25 09:29

Lab Sample ID: 500-268062-11

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	1630			7432	MR	EET SSM	06/17/25 17:55
Dissolved	Analysis	1630		1	7479	COW	EET SSM	06/18/25 23:07
Total/NA	Prep	1630			7432	MR	EET SSM	06/17/25 17:55
Total/NA	Analysis	1630		1	7479	COW	EET SSM	06/18/25 23:17
Dissolved	Analysis	1631E		1	7370	AJD	EET SSM	06/12/25 17:57
Total/NA	Analysis	1631E		1	7318	CL	EET SSM	06/10/25 19:03
Dissolved	Prep	1638			7094	COW	EET SSM	05/29/25 13:00
Dissolved	Analysis	1638		1	7164	COW	EET SSM	05/29/25 20:59
Total Recoverable	Prep	1638			7095	COW	EET SSM	05/29/25 11:17
Total Recoverable	Analysis	1638		1	7164	COW	EET SSM	05/29/25 22:13
Dissolved	Prep	3005A			817409	BDE	EET CHI	05/13/25 08:21 - 05/13/25 14:21 [1]
Dissolved	Analysis	6020B		1	817979	RN	EET CHI	05/15/25 20:03
Dissolved	Prep	3005A			817409	BDE	EET CHI	05/13/25 08:21 - 05/13/25 14:21 [1]
Dissolved	Analysis	6020B		1	818182	RN	EET CHI	05/16/25 12:55
Dissolved	Prep	3005A			817409	BDE	EET CHI	05/13/25 08:21 - 05/13/25 14:21 [1]
Dissolved	Analysis	6020B		5	818182	RN	EET CHI	05/16/25 12:58
Total Recoverable	Prep	3005A			817409	BDE	EET CHI	05/13/25 08:21 - 05/13/25 14:21 [1]
Total Recoverable	Analysis	6020B		1	817979	RN	EET CHI	05/15/25 19:19
Total Recoverable	Prep	3005A			817409	BDE	EET CHI	05/13/25 08:21 - 05/13/25 14:21 [1]
Total Recoverable	Analysis	6020B		5	818182	RN	EET CHI	05/16/25 12:53
Total Recoverable	Prep	3005A			817409	BDE	EET CHI	05/13/25 08:21 - 05/13/25 14:21 [1]
Total Recoverable	Analysis	SM 2340B		1	817988	DAJ	EET CHI	05/16/25 09:56
Total/NA	Analysis	300.0		1	817092	MM	EET CHI	05/09/25 13:51
Total/NA	Analysis	300.0		1	817093	MM	EET CHI	05/09/25 13:51
Total/NA	Analysis	300.0		20	819477	MB	EET CHI	05/30/25 08:16
Total/NA	Prep	Distill/CN			818297	AC	EET CHI	05/19/25 14:51 - 05/19/25 15:21 [1]
Total/NA	Analysis	335.4		1	818382	AC	EET CHI	05/20/25 08:23
Total/NA	Prep	Distill/Ammonia			819665	EB	EET CHI	05/30/25 13:00 - 05/30/25 14:00 [1]
Total/NA	Analysis	350.1		1	819761	EB	EET CHI	05/31/25 08:29
Total/NA	Prep	365.2/365.3/365			819055	MF	EET CHI	05/27/25 09:39 - 05/27/25 13:39 [1]
Total/NA	Analysis	365.1		1	819505	MF	EET CHI	05/29/25 11:07
Total/NA	Analysis	SM 2320B		1	818472	AC	EET CHI	05/20/25 11:29
Total/NA	Analysis	SM 2520B		1	819880	AC	EET CHI	06/02/25 10:43
Total/NA	Analysis	SM 2540C		1	817551	CLB	EET CHI	05/14/25 02:27
Total/NA	Analysis	SM 2540D		1	817125	NM	EET CHI	05/09/25 14:50 - 05/09/25 14:54 [1]
Total/NA	Analysis	SM 4500 S2 F		1	817552	CLB	EET CHI	05/14/25 01:19 - 05/14/25 01:22 [1]
Dissolved	Analysis	SM 5310C		1	818662	TR	EET CHI	05/21/25 10:12
Total/NA	Analysis	SM 5310C		1	818654	TR	EET CHI	05/20/25 19:41

Lab Chronicle

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-268062-1

Client Sample ID: MW-10_20250507_FBLL

Lab Sample ID: 500-268062-12

Date Collected: 05/07/25 16:00
Matrix: Water
Date Received: 05/09/25 09:29

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	1631E		1	7370	AJD	EET SSM	06/12/25 18:09

Client Sample ID: PNC-03_20250507

Lab Sample ID: 500-268062-13

Date Collected: 05/07/25 10:45
Matrix: Water
Date Received: 05/09/25 09:29

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	1630			7432	MR	EET SSM	06/17/25 17:55
Dissolved	Analysis	1630		1	7479	COW	EET SSM	06/19/25 00:49
Total/NA	Prep	1630			7432	MR	EET SSM	06/17/25 17:55
Total/NA	Analysis	1630		1	7479	COW	EET SSM	06/19/25 00:59
Dissolved	Analysis	1631E		1	7370	AJD	EET SSM	06/12/25 18:17
Total/NA	Analysis	1631E		1	7370	AJD	EET SSM	06/12/25 18:13
Dissolved	Prep	1638			7094	COW	EET SSM	05/29/25 13:00
Dissolved	Analysis	1638		1	7164	COW	EET SSM	05/29/25 21:02
Total Recoverable	Prep	1638			7095	COW	EET SSM	05/29/25 11:17
Total Recoverable	Analysis	1638		1	7164	COW	EET SSM	05/29/25 22:17
Dissolved	Prep	3005A			817409	BDE	EET CHI	05/13/25 08:21 - 05/13/25 14:21 [1]
Dissolved	Analysis	6020B		1	817979	RN	EET CHI	05/15/25 20:05
Dissolved	Prep	3005A			817409	BDE	EET CHI	05/13/25 08:21 - 05/13/25 14:21 [1]
Dissolved	Analysis	6020B		1	818182	RN	EET CHI	05/16/25 13:16
Total Recoverable	Prep	3005A			817409	BDE	EET CHI	05/13/25 08:21 - 05/13/25 14:21 [1]
Total Recoverable	Analysis	6020B		1	817979	RN	EET CHI	05/15/25 19:22
Total Recoverable	Prep	3005A			817409	BDE	EET CHI	05/13/25 08:21 - 05/13/25 14:21 [1]
Total Recoverable	Analysis	SM 2340B		1	817988	DAJ	EET CHI	05/16/25 09:56
Total/NA	Analysis	300.0		1	817092	MM	EET CHI	05/09/25 16:09
Total/NA	Analysis	300.0		1	817093	MM	EET CHI	05/09/25 16:09
Total/NA	Prep	Distill/CN			818112	AC	EET CHI	05/18/25 09:15 - 05/18/25 09:45 [1]
Total/NA	Analysis	335.4		1	818382	AC	EET CHI	05/20/25 08:52
Total/NA	Prep	Distill/Ammonia			819665	EB	EET CHI	05/30/25 13:00 - 05/30/25 14:00 [1]
Total/NA	Analysis	350.1		1	819761	EB	EET CHI	05/31/25 08:30
Total/NA	Prep	365.2/365.3/365			819055	MF	EET CHI	05/27/25 09:39 - 05/27/25 13:39 [1]
Total/NA	Analysis	365.1		1	819505	MF	EET CHI	05/29/25 11:08
Total/NA	Analysis	SM 2320B		1	818472	AC	EET CHI	05/20/25 11:39
Total/NA	Analysis	SM 2520B		1	819880	AC	EET CHI	06/02/25 10:43
Total/NA	Analysis	SM 2540C		1	817551	CLB	EET CHI	05/14/25 02:29
Total/NA	Analysis	SM 2540D		1	817125	NM	EET CHI	05/09/25 14:54 - 05/09/25 14:59 [1]
Total/NA	Analysis	SM 4500 S2 F		1	817552	CLB	EET CHI	05/14/25 01:22 - 05/14/25 01:26 [1]
Dissolved	Analysis	SM 5310C		1	818662	TR	EET CHI	05/21/25 10:45
Total/NA	Analysis	SM 5310C		1	818654	TR	EET CHI	05/20/25 20:14

Lab Chronicle

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-268062-1

Client Sample ID: PNC-03_20250507_FBLL

Lab Sample ID: 500-268062-14

Date Collected: 05/07/25 10:45
Date Received: 05/09/25 09:29

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	1631E		1	7370	AJD	EET SSM	06/12/25 18:21

Client Sample ID: FB-01-GW_20250507

Lab Sample ID: 500-268062-15

Date Collected: 05/07/25 12:45
Date Received: 05/09/25 09:29

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	1630			7432	MR	EET SSM	06/17/25 17:55
Total/NA	Analysis	1630		1	7479	COW	EET SSM	06/19/25 01:09
Total/NA	Analysis	1631E		1	7370	AJD	EET SSM	06/12/25 18:26
Total Recoverable	Prep	1638			7095	COW	EET SSM	05/29/25 11:17
Total Recoverable	Analysis	1638		1	7164	COW	EET SSM	05/29/25 22:20
Total Recoverable	Prep	3005A			817598	BDE	EET CHI	05/14/25 08:37 - 05/14/25 14:37 [1]
Total Recoverable	Analysis	6020B		1	818685	RN	EET CHI	05/21/25 15:59
Total Recoverable	Prep	3005A			817598	BDE	EET CHI	05/14/25 08:37 - 05/14/25 14:37 [1]
Total Recoverable	Analysis	SM 2340B		1	817988	DAJ	EET CHI	05/22/25 09:59
Total/NA	Analysis	300.0		1	817092	MM	EET CHI	05/09/25 16:39
Total/NA	Analysis	300.0		1	817093	MM	EET CHI	05/09/25 16:39
Total/NA	Prep	Distill/CN			818112	AC	EET CHI	05/18/25 09:15 - 05/18/25 09:45 [1]
Total/NA	Analysis	335.4		1	818382	AC	EET CHI	05/20/25 08:52
Total/NA	Prep	Distill/Ammonia			819665	EB	EET CHI	05/30/25 13:00 - 05/30/25 14:00 [1]
Total/NA	Analysis	350.1		1	819761	EB	EET CHI	05/31/25 08:30
Total/NA	Prep	365.2/365.3/365			819055	MF	EET CHI	05/27/25 09:39 - 05/27/25 13:39 [1]
Total/NA	Analysis	365.1		1	819505	MF	EET CHI	05/29/25 11:09
Total/NA	Analysis	SM 2320B		1	818472	AC	EET CHI	05/20/25 11:48
Total/NA	Analysis	SM 2520B		1	819880	AC	EET CHI	06/02/25 10:43
Total/NA	Analysis	SM 2540C		1	817551	CLB	EET CHI	05/14/25 02:32
Total/NA	Analysis	SM 2540D		1	817125	NM	EET CHI	05/09/25 14:59 - 05/09/25 15:03 [1]
Total/NA	Analysis	SM 4500 S2 F		1	817552	CLB	EET CHI	05/14/25 01:26 - 05/14/25 01:30 [1]
Total/NA	Analysis	SM 5310C		1	818654	TR	EET CHI	05/20/25 20:46

Client Sample ID: FB-01-GW_20250507_FBLL

Lab Sample ID: 500-268062-16

Date Collected: 05/07/25 12:45
Date Received: 05/09/25 09:29

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	1631E		1	7370	AJD	EET SSM	06/12/25 18:30

Lab Chronicle

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-268062-1

Client Sample ID: MW-35SB_20250507

Lab Sample ID: 500-268062-17

Date Collected: 05/07/25 15:30
Matrix: Water
Date Received: 05/09/25 09:29

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	1630			7432	MR	EET SSM	06/17/25 17:55
Dissolved	Analysis	1630		1	7479	COW	EET SSM	06/19/25 01:19
Total/NA	Prep	1630			7432	MR	EET SSM	06/17/25 17:55
Total/NA	Analysis	1630		1	7479	COW	EET SSM	06/19/25 01:50
Dissolved	Analysis	1631E		1	7370	AJD	EET SSM	06/12/25 18:38
Total/NA	Analysis	1631E		1	7370	AJD	EET SSM	06/12/25 18:34
Dissolved	Prep	1638			7094	COW	EET SSM	05/29/25 13:00
Dissolved	Analysis	1638		1	7164	COW	EET SSM	05/29/25 21:06
Total Recoverable	Prep	1638			7095	COW	EET SSM	05/29/25 11:17
Total Recoverable	Analysis	1638		1	7164	COW	EET SSM	05/29/25 22:24
Dissolved	Prep	3005A			817409	BDE	EET CHI	05/13/25 08:21 - 05/13/25 14:21 [1]
Dissolved	Analysis	6020B		1	817979	RN	EET CHI	05/15/25 20:08
Dissolved	Prep	3005A			817409	BDE	EET CHI	05/13/25 08:21 - 05/13/25 14:21 [1]
Dissolved	Analysis	6020B		1	818182	RN	EET CHI	05/16/25 13:19
Total Recoverable	Prep	3005A			817409	BDE	EET CHI	05/13/25 08:21 - 05/13/25 14:21 [1]
Total Recoverable	Analysis	6020B		1	817979	RN	EET CHI	05/15/25 19:24
Total Recoverable	Prep	3005A			817409	BDE	EET CHI	05/13/25 08:21 - 05/13/25 14:21 [1]
Total Recoverable	Analysis	SM 2340B		1	817988	DAJ	EET CHI	05/16/25 09:56
Total/NA	Analysis	300.0		1	817092	MM	EET CHI	05/09/25 14:06
Total/NA	Analysis	300.0		1	817093	MM	EET CHI	05/09/25 14:06
Total/NA	Prep	Distill/CN			818112	AC	EET CHI	05/18/25 09:15 - 05/18/25 09:45 [1]
Total/NA	Analysis	335.4		1	818382	AC	EET CHI	05/20/25 08:54
Total/NA	Prep	Distill/Ammonia			819665	EB	EET CHI	05/30/25 13:00 - 05/30/25 14:00 [1]
Total/NA	Analysis	350.1		1	819761	EB	EET CHI	05/31/25 08:31
Total/NA	Prep	365.2/365.3/365			819055	MF	EET CHI	05/27/25 09:39 - 05/27/25 13:39 [1]
Total/NA	Analysis	365.1		1	819505	MF	EET CHI	05/29/25 11:12
Total/NA	Analysis	SM 2320B		1	818472	AC	EET CHI	05/20/25 11:52
Total/NA	Analysis	SM 2520B		1	819880	AC	EET CHI	06/02/25 10:43
Total/NA	Analysis	SM 2540C		1	817551	CLB	EET CHI	05/14/25 02:34
Total/NA	Analysis	SM 2540D		1	817125	NM	EET CHI	05/09/25 15:03 - 05/09/25 15:08 [1]
Total/NA	Analysis	SM 4500 S2 F		1	817552	CLB	EET CHI	05/14/25 01:30 - 05/14/25 01:34 [1]
Dissolved	Analysis	SM 5310C		1	818662	TR	EET CHI	05/21/25 11:17
Total/NA	Analysis	SM 5310C		1	818654	TR	EET CHI	05/20/25 21:18

Client Sample ID: MW-35SB_20250507_FBLL

Lab Sample ID: 500-268062-18

Date Collected: 05/07/25 15:30
Matrix: Water
Date Received: 05/09/25 09:29

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	1631E		1	7370	AJD	EET SSM	06/12/25 18:42

Lab Chronicle

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-268062-1

Client Sample ID: FB-02_20250507

Lab Sample ID: 500-268062-19

Date Collected: 05/07/25 18:00

Matrix: Water

Date Received: 05/09/25 09:29

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	1631E		1	7370	AJD	EET SSM	06/12/25 18:46

Client Sample ID: SMW-3_20250508

Lab Sample ID: 500-268062-20

Date Collected: 05/08/25 09:30

Matrix: Water

Date Received: 05/09/25 09:29

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	1630			7450	MR	EET SSM	06/18/25 13:10
Dissolved	Analysis	1630		1	7479	COW	EET SSM	06/19/25 06:25
Total/NA	Prep	1630			7450	MR	EET SSM	06/18/25 13:10
Total/NA	Analysis	1630		1	7479	COW	EET SSM	06/19/25 06:15
Dissolved	Analysis	1631E		1	7370	AJD	EET SSM	06/12/25 19:03
Total/NA	Analysis	1631E		1	7370	AJD	EET SSM	06/12/25 18:59
Dissolved	Prep	1638			7094	COW	EET SSM	05/29/25 13:00
Dissolved	Analysis	1638		1	7164	COW	EET SSM	05/29/25 21:17
Total Recoverable	Prep	1638			7095	COW	EET SSM	05/29/25 11:17
Total Recoverable	Analysis	1638		1	7164	COW	EET SSM	05/29/25 22:28
Dissolved	Prep	3005A			817409	BDE	EET CHI	05/13/25 08:21 - 05/13/25 14:21 [1]
Dissolved	Analysis	6020B		1	817979	RN	EET CHI	05/15/25 20:10
Dissolved	Prep	3005A			817409	BDE	EET CHI	05/13/25 08:21 - 05/13/25 14:21 [1]
Dissolved	Analysis	6020B		1	818182	RN	EET CHI	05/16/25 13:21
Total Recoverable	Prep	3005A			817409	BDE	EET CHI	05/13/25 08:21 - 05/13/25 14:21 [1]
Total Recoverable	Analysis	6020B		1	817979	RN	EET CHI	05/15/25 19:26
Total Recoverable	Prep	3005A			817409	BDE	EET CHI	05/13/25 08:21 - 05/13/25 14:21 [1]
Total Recoverable	Analysis	SM 2340B		1	817988	DAJ	EET CHI	05/16/25 09:56
Total/NA	Analysis	300.0		1	817092	MM	EET CHI	05/09/25 14:22
Total/NA	Analysis	300.0		1	817093	MM	EET CHI	05/09/25 14:22
Total/NA	Prep	Distill/CN			818112	AC	EET CHI	05/18/25 09:15 - 05/18/25 09:45 [1]
Total/NA	Analysis	335.4		1	818382	AC	EET CHI	05/20/25 08:54
Total/NA	Prep	Distill/Ammonia			819665	EB	EET CHI	05/30/25 13:00 - 05/30/25 14:00 [1]
Total/NA	Analysis	350.1		1	819761	EB	EET CHI	05/31/25 08:31
Total/NA	Prep	365.2/365.3/365			819055	MF	EET CHI	05/27/25 09:39 - 05/27/25 13:39 [1]
Total/NA	Analysis	365.1		1	819505	MF	EET CHI	05/29/25 11:13
Total/NA	Analysis	SM 2320B		1	818472	AC	EET CHI	05/20/25 12:02
Total/NA	Analysis	SM 2520B		1	819880	AC	EET CHI	06/02/25 10:43
Total/NA	Analysis	SM 2540C		1	817551	CLB	EET CHI	05/14/25 02:37
Total/NA	Analysis	SM 2540D		1	817401	NM	EET CHI	05/13/25 08:35 - 05/13/25 08:39 [1]
Total/NA	Analysis	SM 4500 S2 F		1	817729	CLB	EET CHI	05/15/25 01:10 - 05/15/25 01:17 [1]
Dissolved	Analysis	SM 5310C		1	818662	TR	EET CHI	05/21/25 11:49
Total/NA	Analysis	SM 5310C		1	818654	TR	EET CHI	05/20/25 21:50

Lab Chronicle

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-268062-1

Client Sample ID: SMW-3_20250508_FBLL

Lab Sample ID: 500-268062-21

Date Collected: 05/08/25 09:30
Date Received: 05/09/25 09:29

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	1631E		1	7370	AJD	EET SSM	06/12/25 19:07

Client Sample ID: SMW-3SB_20250508

Lab Sample ID: 500-268062-22

Date Collected: 05/08/25 10:15
Date Received: 05/09/25 09:29

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	1630			7450	MR	EET SSM	06/18/25 13:10
Dissolved	Analysis	1630		1	7479	COW	EET SSM	06/19/25 06:05
Total/NA	Prep	1630			7450	MR	EET SSM	06/18/25 13:10
Total/NA	Analysis	1630		1	7479	COW	EET SSM	06/19/25 06:36
Dissolved	Analysis	1631E		1	7370	AJD	EET SSM	06/12/25 19:15
Total/NA	Analysis	1631E		1	7370	AJD	EET SSM	06/12/25 19:11
Dissolved	Prep	1638			7095	COW	EET SSM	05/29/25 11:17
Dissolved	Analysis	1638		1	7164	COW	EET SSM	05/29/25 21:43
Total Recoverable	Prep	1638			7095	COW	EET SSM	05/29/25 11:17
Total Recoverable	Analysis	1638		1	7164	COW	EET SSM	05/29/25 22:31
Dissolved	Prep	3005A			817409	BDE	EET CHI	05/13/25 08:21 - 05/13/25 14:21 [1]
Dissolved	Analysis	6020B		1	817979	RN	EET CHI	05/15/25 20:13
Dissolved	Prep	3005A			817409	BDE	EET CHI	05/13/25 08:21 - 05/13/25 14:21 [1]
Dissolved	Analysis	6020B		5	818182	RN	EET CHI	05/16/25 13:24
Total Recoverable	Prep	3005A			817409	BDE	EET CHI	05/13/25 08:21 - 05/13/25 14:21 [1]
Total Recoverable	Analysis	6020B		1	817979	RN	EET CHI	05/15/25 19:34
Total Recoverable	Prep	3005A			817409	BDE	EET CHI	05/13/25 08:21 - 05/13/25 14:21 [1]
Total Recoverable	Analysis	SM 2340B		1	817988	DAJ	EET CHI	05/16/25 09:56
Total/NA	Analysis	300.0		1	817092	MM	EET CHI	05/09/25 15:08
Total/NA	Analysis	300.0		1	817093	MM	EET CHI	05/09/25 15:08
Total/NA	Prep	Distill/CN			818112	AC	EET CHI	05/18/25 09:15 - 05/18/25 09:45 [1]
Total/NA	Analysis	335.4		1	818127	AC	EET CHI	05/18/25 12:07
Total/NA	Prep	Distill/Ammonia			819665	EB	EET CHI	05/30/25 13:00 - 05/30/25 14:00 [1]
Total/NA	Analysis	350.1		1	819761	EB	EET CHI	05/31/25 08:32
Total/NA	Prep	365.2/365.3/365			819055	MF	EET CHI	05/27/25 09:39 - 05/27/25 13:39 [1]
Total/NA	Analysis	365.1		1	819505	MF	EET CHI	05/29/25 11:13
Total/NA	Analysis	SM 2320B		1	818472	AC	EET CHI	05/20/25 12:10
Total/NA	Analysis	SM 2520B		1	819880	AC	EET CHI	06/02/25 10:43
Total/NA	Analysis	SM 2540C		1	817551	CLB	EET CHI	05/14/25 02:39
Total/NA	Analysis	SM 2540D		1	817401	NM	EET CHI	05/13/25 08:20 - 05/13/25 08:24 [1]
Total/NA	Analysis	SM 4500 S2 F		1	817729	CLB	EET CHI	05/15/25 01:17 - 05/15/25 01:24 [1]
Dissolved	Analysis	SM 5310C		1	818992	TR	EET CHI	05/25/25 15:14
Total/NA	Analysis	SM 5310C		1	818654	TR	EET CHI	05/20/25 22:22

Lab Chronicle

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-268062-1

Client Sample ID: SMW-3SB_20250508_FBLL

Lab Sample ID: 500-268062-23

Date Collected: 05/08/25 10:15

Matrix: Water

Date Received: 05/09/25 09:29

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	1631E		1	7370	AJD	EET SSM	06/12/25 19:20

[1] This procedure uses a method stipulated length of time for the process. Both start and end times are displayed.

Laboratory References:

EET CHI = Eurofins Chicago, 18410 Crossing Drive, Suite E, Tinley Park, IL 60487, TEL (708)534-5200

EET SSM = Eurofins Seattle Specialty Metals, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

Accreditation/Certification Summary

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-268062-1

Laboratory: Eurofins Chicago

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Georgia	State	N/A	05-31-26
Georgia (DW)	State	939	05-31-25 *
Illinois	NELAP	100201	05-31-26
Indiana	State	C-IL-02	05-31-26
Iowa	State	082	05-01-26
Kansas	NELAP	E-10161	10-31-25
Kentucky (UST)	State	AI # 108083	05-31-26
Kentucky (WW)	State	KY90023	12-31-24 *
Louisiana (All)	NELAP	02046	06-30-25
Mississippi	State	NA	05-31-26
North Carolina (WW/SW)	State	291	12-31-25
North Dakota	State	R-194	04-29-24 *
Oklahoma	State	8908	08-31-25
South Carolina	State	77001003	05-31-25 *
USDA	US Federal Programs	P330-18-00018	03-30-26
Wisconsin	State	399172840	08-31-25
Wyoming	State	8TMS-Q	05-31-26

Laboratory: Eurofins Seattle Specialty Metals

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	20-004	02-19-27
ANAB	Dept. of Defense ELAP	L2236	01-19-27
ANAB	Dept. of Energy	L2236.01	01-19-27
ANAB	ISO/IEC 17025	L2236	01-19-27
California	State	2954	07-08-26
Florida	NELAP	E87575	06-30-25
Louisiana (All)	NELAP	03073	06-30-25
Maine	State	WA01273	05-02-26
New Jersey	NELAP	WA014	06-30-25
New York	NELAP	11662	04-01-26
Oregon	NELAP	4167-008	07-07-25
US Fish & Wildlife	US Federal Programs	A20571	06-30-25
USDA	US Federal Programs	525-23-4-22573	01-24-28
Washington	State	C788-23a	07-13-25
Wisconsin	State	399133460	07-31-25

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Eurofins Chicago
18410 Crossing Drive, Suite E
Tinley Park, IL 60487
Phone (708) 534-5200 Phone (262) 202-5955

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: ELLEN CAPPERNDL	Lab PM: Fredrick, Sandie	Carrier Tracking No(s): 452318057832, 452318057821	COC No: 500-135006-50241 34
Client Contact: Amanda Zeidler	Phone: 517-513-2249	E-Mail: Sandra Fredrick@et.eurofinsus com	State of Origin: Michigan	Page: Page 1 of 1
Company: White Pine Copper LLC	PWSID:			Job #: 500-268062
Address: 35362 Mall Circle Drive	Due Date Requested:			
City: White Pine	TAT Requested (days): 10 days			
State, Zip: MI, 49971	Compliance Project: Δ Yes Δ No			
Phone: 906-204-6500	PO #: Purchase Order not required			
Email: AZeidler@whitepinecu com	WO #:			
Project Name: White Pines, MI	Project #: 50023455			
Site: White Pine North Baseline Sampling	SSOW#:			

Analysis Requested

Preservation Codes:
S - H2SO4
N - None
CB ZnAcetate/NaOH
B - NaOH
D HNO3
A HCL

500-268062 COC

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	350.1 Ammonia, 365.1 Phos	2320B, 2540C, 2540D, 300.0_28D, 300_48HR, SM2520_B	SM4500_S2_F - Sulfide, Total	335.4 - Cyanide, Total	SM5310_DOC_C - Organic Carbon, Dissolved (DOC) - tripli	6020B, SM2340B Total Metals / Hardness	1638 - Uranium only (ICP/MS)	1631E - Mercury, Low Level (CVAFS)	1630_ME - Methyl Mercury	6020B - Dissolved Metals (ICP/MS) - 27 elements	1638 - Dissolved Uranium only (ICP/MS) (field filtered)	1631E - Dissolved Mercury, Low Level (CVAFS) (filtered)	1630_ME - Dissolved Methyl Mercury (field filtered)	5310C - TOC	Total Number of containers	Special Instructions/Note:
			Preservation Code:		X	X	S	N	CB	B	S	D	D	N	A	D	D	N	A	S	X	
1 MW-5A_20250507	5-7-25	11:45	G	Water	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	66	
2 MW-5A_20250507_FBLL	5-7-25	11:45	G	Water		X								X							6	
3 MW-5SB_20250507	5-7-25	12:45	G	Water	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	22	
4 MW-5SB_20250507_FBLL	5-7-25	12:45	G	Water										X							2	
				Water																		
				Water																		
				Water																		
				Water																		
				Water																		
				Water																		
				Water																		

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested I, II, III, IV, Other (specify)

Special Instructions/QC Requirements MDLs must meet Michigan requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment: FEDEX PRIORITY OVERNIGHT

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
	5-7-25 18:00	MSG		5-7 25 18 00	MSG
Relinquished by	Date/Time	Company	Received by	Date/Time	Company
	5 8 25 08:30	MSG	FEDEX 452318057832+452318057821		
Relinquished by	Date/Time	Company	Received by	Date/Time	Company
			Stephanie Hernandez	5/9/25 0930	EETA

Custody Seals Intact. Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks
		1.8+1.4, 5.6+5.9, 3.7+4.0, 0.8+1.4, 0.9+1.5, 0.8+0.9, 2.8+3.1

Eurofins Chicago
18410 Crossing Drive, Suite E
Tinley Park, IL 60487
Phone (708) 534-5200 Phone (262) 202-5955

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: EUGEN COPPERSMITH	Lab PM: Fredrick, Sandie	Carrier Tracking No(s): 452318057843	COC No: 500-135006-50241 32
Client Contact: Amanda Zeidler	Phone: 517-513 2249	E-Mail: Sandra Fredrick@et.eurofinsus com	State of Origin: Michigan	Page: Page 1 of 1
Company: White Pine Copper LLC	PWSID:			Job #: 500-208062
Address: 35362 Mall Circle Drive	Due Date Requested:			
City: White Pine	TAT Requested (days): 10 days			
State Zip: MI, 49971	Compliance Project: Δ Yes Δ No			
Phone: 906-204-6500	PO #: Purchase Order not required			
Email: AZeidler@whitepinecu com	WO #:			
Project Name: White Pines, MI	Project #: 50023455			
Site: White Pine North Baseline Sampling	SSOW#:			

Analysis Requested

Preservation Codes:
S H2SO4
N None
CB ZnAcetate/NaOH
B - NaOH
D HNO3
A HCL
Other:

	Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	350.1 Ammonia, 365.1 Phos	2320B, 2540C, 2540D, 300.0_28D, 300_48HR, SM2520_B	SM4500_S2_F - Sulfide, Total	335.4 - Cyanide, Total	SM5310_DOC_C - Organic Carbon, Dissolved (DOC) - tripli	6020B, SM2340B Total Metals / Hardness	1638 - Uranium only (ICP/MS)	1631E - Mercury, Low Level (CVAFS)	1630_ME - Methyl Mercury	6020B - Dissolved Metals (ICP/MS) - 27 elements	1638 - Dissolved Uranium only (ICP/MS) (field filtered)	1631E - Dissolved Mercury, Low Level (CVAFS) (filtered)	1630_ME - Dissolved Methyl Mercury (field filtered)	5310C - TOC	Total Number of containers	Special Instructions/Note:
				Preservation Code:				S	N	CB	B	S	D	D	N	A	D	D	N	A	S		
5	MW-42_20250507	5-7-25	15:00	G	Water	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	22	
6	MW-42_20250507_FBLL	5-7-25	15:00	G	Water										X							2	
7	MW-38_20250507	5-7-25	14:30	G	Water	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	22	
8	MW-38_20250507_FBLL	5-7-25	14:30	G	Water										X							2	
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested I, II, III, IV, Other (specify)

Special Instructions/QC Requirements MDLs must meet Michigan requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment: FEDEX PRIORITY OVERNIGHT

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1		5-7-25 18:00	MSG		5-7 25 18:00	MSG
2		5 8 25 08:30	MSG	FEDEX 452318057843		
3				Stephanie Hernandez	519125 0930	FEHA

Custody Seals Intact. Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks

Eurofins Chicago
18410 Crossing Drive, Suite E
Tinley Park, IL 60487
Phone (708) 534-5200 Phone (262) 202-5955

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: ELLEN COPPERNOLL	Lab PM: Fredrick, Sandie	Carrier Tracking No(s): 452318057795	COC No.: 500-135006-50241 31
Client Contact: Amanda Zeidler	Phone: 517-513-2249	E-Mail: Sandra Fredrick@et eurofinsus com	State of Origin: Michigan	Page: Page 1 of 1
Company: White Pine Copper LLC	PWSID:	Analysis Requested		Job #: 500-268062
Address: 35362 Mall Circle Drive	Due Date Requested:			
City: White Pine	TAT Requested (days): 10 days			
State, Zip: MI, 49971	Compliance Project: Δ Yes Δ No			
Phone: 906-204-6500	PO #: Purchase Order not required			
Email: AZeidler@whitepinecu com	WO #:			
Project Name: White Pines, MI	Project #: 50023455			
Site: White Pine North Baseline Sampling	SSOW#:			

Preservation Codes:
S - H2SO4
N None
CB ZnAcetate/NaOH
B NaOH
D HNO3
A HCL
Other:

	Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	350.1 Ammonia, 365.1 Phos	2320B, 2540C, 2540D, 300.0_28D, 300_48HR, SM2520_B	SM4500_S2_F - Sulfide, Total	335.4 - Cyanide, Total	SM5310_DOC_C - Organic Carbon, Dissolved (DOC) - tripli	6020B, SM2340B Total Metals / Hardness	1638 - Uranium only (ICP/MS)	1631E - Mercury, Low Level (CVAFS)	1630_ME - Methyl Mercury	6020B - Dissolved Metals (ICP/MS) - 27 elements	1638 - Dissolved Uranium only (ICP/MS) (field filtered)	1631E - Dissolved Mercury, Low Level (CVAFS) (filtered)	1630_ME - Dissolved Methyl Mercury (field filtered)	5310C - TOC	Total Number of containers	Special Instructions/Note:
				Preservation Code:				S	N	CB	B	S	D	D	N	A	D	D	N	A	S		
9	PRC-01_20250507	5-7-25	17100	G	Water	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	22	
10	PRC-01_20250507_FBL	5-7-25	17100	G	Water										X							2	
11	MW-10_20250507	5-7-25	16:00	G	Water	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	22	
12	MW-10_20250507_FBL	5-7-25	16:00	G	Water										X							2	
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested I, [II], III, IV, Other (specify)

Special Instructions/QC Requirements. MDLs must meet Michigan requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment: FEDEX PRIORITY OVERNIGHT

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1	[signature]	5-7-25 18:00	MSG	[signature]	5-7-25 18:00	MSG
2	[signature]	5-8 25 08:30	MSG	FEDEX 452318057795		
3				Stephanie Hernandez	6/9/25 0930	EEIA

Custody Seals Intact: Δ Yes Δ No | Custody Seal No | Cooler Temperature(s) °C and Other Remarks.

Eurofins Chicago
18410 Crossing Drive, Suite E
Tinley Park, IL 60487
Phone (708) 534-5200 Phone (262) 202-5955

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: ELLEN COPPERNOLL	Lab PM: Fredrick, Sandie	Carrier Tracking No(s): 452318057865	COC No: 500-135006-50241 33
Client Contact: Amanda Zeidler	Phone: 517-513-2249	E-Mail: Sandra Fredrick@et eurofinsus com	State of Origin: Michigan	Page: Page 1 of 1
Company: White Pine Copper LLC	PWSID:			Job #: 500-269062
Address: 35362 Mall Circle Drive	Due Date Requested:			
City: White Pine	TAT Requested (days): 10 days			
State, Zip: MI, 49971	Compliance Project: Δ Yes Δ No			
Phone: 906-204-6500	PO #: Purchase Order not required			
Email: AZeidler@whitepinecu com	WO #:			
Project Name: White Pines, MI	Project #: 50023455			
Site: White Pine North Baseline Sampling	SSOW#:			

Analysis Requested

Preservation Codes:
S H2SO4
N None
CB ZnAcetate/NaOH
B - NaOH
D HNO3
A HCL
Other:

	Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	350.1 Ammonia, 365.1 Phos	2320B, 2540C, 2540D, 300.0_28D, 300_48HR, SM2520_B	SM4500_S2_F - Sulfide, Total	335.4 - Cyanide, Total	SM5310_DOC_C - Organic Carbon, Dissolved (DOC) - tripli	6020B, SM2340B Total Metals / Hardness	1638 - Uranium only (ICP/MS)	1631E - Mercury, Low Level (CVAFS)	1630_ME - Methyl Mercury	6020B - Dissolved Metals (ICP/MS) - 27 elements	1638 - Dissolved Uranium only (ICP/MS) (field filtered)	1631E - Dissolved Mercury, Low Level (CVAFS) (filtered)	1630_ME - Dissolved Methyl Mercury (field filtered)	5310C - TOC	Total Number of containers	Special Instructions/Note:
				Preservation Code:				S	N	CB	B	S	D	D	N	A	D	D	N	A	S		
13	PNC-03_20250507	5-7-25	10:45	G	Water	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	22	
14	PNC-03_20250507-FBLL	5-7-25	10:45	G	Water										X							2	
15	FB-01-GW_20250507	5-7-25	12:45	G	Water			X	X	X	X		X	X	X	X					X	14	
16	FB-01-GW-20250507_FBLL	5-7-25	12:45	G	Water										X							2	
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested I, [II], III, IV, Other (specify)

Special Instructions/QC Requirements MDLs must meet Michigan requirements.

Empty Kit Relinquished by	Date	Time	Method of Shipment: FEDEX PRIORITY OVERNIGHT

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1		5-7-25 18:00	MSG		5-7-25 1800	MSG
2		5-8-25 08:30	MSG	FEDEX 452318057865	Date/Time:	Company
3		Date/Time	Company	Received by: Stephanie Hernandez	Date/Time 5/9/25 0930	Company EEHA

Custody Seals Intact. Δ Yes Δ No | Custody Seal No | Cooler Temperature(s) °C and Other Remarks

Eurofins Chicago
18410 Crossing Drive, Suite E
Tinley Park, IL 60487
Phone (708) 534-5200 Phone (262) 202-5955

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: JED CHRISTENSEN	Lab PM: Fredrick, Sandie	Carrier Tracking No(s): 452318057854	COC No: 500-135006-50241 35
Client Contact: Amanda Zeidler	Phone: 906-281-4726	E-Mail: Sandra Fredrick@et eurofinsus com	State of Origin: Michigan	Page: Page 1 of 1
Company: White Pine Copper LLC	PWSID:			Job #: 500-268062

Address: 35362 Mall Circle Drive	Due Date Requested:
City: White Pine	TAT Requested (days): 10 days
State, Zip: MI, 49971	Compliance Project: Δ Yes Δ No
Phone: 906-204-6500	PO #: Purchase Order not required
Email: AZeidler@whitepinecu com	WO #:
Project Name: White Pines, MI	Project #: 50023455
Site: White Pine North Baseline Sampling	SSOW#:

Analysis Requested

Preservation Codes:
S H2SO4
N - None
CB ZnAcetate/NaOH
B NaOH
D HNO3
A HCL
Other:

	Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	350.1 Ammonia, 365.1 Phos	2320B, 2540C, 2540D, 300.0_28D, 300_48HR, SM2520_B	SM4500_S2_F - Sulfide, Total	335.4 - Cyanide, Total	SM5310_DOC_C - Organic Carbon, Dissolved (DOC) - tripli	6020B, SM2340B Total Metals / Hardness	1638 - Uranium only (ICP/MS)	1631E - Mercury, Low Level (CVAFS)	1630_ME - Methyl Mercury	6020B - Dissolved Metals (ICP/MS) - 27 elements	1638 - Dissolved Uranium only (ICP/MS) (field filtered)	1631E - Dissolved Mercury, Low Level (CVAFS) (filtered)	1630_ME - Dissolved Methyl Mercury (field filtered)	5310C - TOC	Total Number of containers	Special Instructions/Note:
				Preservation Code:				S	N	CB	B	S	D	D	N	A	D	D	N	A	S		
17	MW-355B_20250507	5-7-25	15:30	G	Water	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	22	
18	MW-355B_20250507_FBLL	5-7-25	15:30	G	Water										X							2	
19	FB-02_20250507	5-7-25	18:00	G	Water										X							2	
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested I, ☒ II, III, IV, Other (specify)

Special Instructions/QC Requirements MDLs must meet Michigan requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment: FEDEX PRIORITY OVERNIGHT

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1		5 8-25 08:30	MSG	FEDEX 452318057854		
2	Relinquished by	Date/Time.	Company	Received by: Stephanie Hernandez	Date/Time 5/9/25 0930	Company ECHA
3	Relinquished by	Date/Time	Company	Received by	Date/Time	Company

Custody Seals Intact. Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks

Eurofins Chicago
18410 Crossing Drive, Suite E
Tinley Park, IL 60487
Phone (708) 534-5200 Phone (262) 202-5955

Chain of Custody Record

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Client Information	Sampler: ELLEN COPPERNOLL	Lab PM: Fredrick, Sandie	Carrier Tracking No(s): 452318057800	COC No: 500-135006-50241 36
Client Contact: Amanda Zeidler	Phone: 517-513 2249	E-Mail: Sandra Fredrick@et.eurofinsus com	State of Origin: Michigan	Page: Page 1 of 1
Company: White Pine Copper LLC	PWSID:			Job #: 500-269062
Address: 35362 Mall Circle Drive	Due Date Requested:			
City: White Pine	TAT Requested (days): 10 days			
State, Zip: MI, 49971	Compliance Project: Δ Yes Δ No			
Phone: 906-204-6500	PO #: Purchase Order not required			
Email: AZeidler@whitepinecu com	WO #:			
Project Name: White Pines, MI	Project #: 50023455			
Site: White Pine North Baseline Sampling	SSOW#:			

Analysis Requested

Preservation Codes:
S H2SO4
N None
CB ZnAcetate/NaOH
B NaOH
D HNO3
A HCL
Other:

	Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	350.1 Ammonia, 365.1 Phos	2320B, 2540C, 2540D, 300.0_28D, 300_48HR, SM2520_B	SM4500_S2_F - Sulfide, Total	335.4 - Cyanide, Total	SM5310_DOC_C - Organic Carbon, Dissolved (DOC) - tripli	6020B, SM2340B Total Metals / Hardness	1638 - Uranium only (ICP/MS)	1631E - Mercury, Low Level (CVAFS)	1630_ME - Methyl Mercury	6020B - Dissolved Metals (ICP/MS) - 27 elements	1638 - Dissolved Uranium only (ICP/MS) (field filtered)	1631E - Dissolved Mercury, Low Level (CVAFS) (filtered)	1630_ME - Dissolved Methyl Mercury (field filtered)	5310C - TOC	Total Number of containers	Special Instructions/Note:
				Preservation Code:				S	N	CB	B	S	D	D	N	A	D	D	N	A	S	
20	SMW-3_20250508	5-8-25	0930	G	Water			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	22	
21	SMW-3_20250508_FBLL	5-8-25	0930	G	Water										✓							2	
22	SMW-3SB_20250508	5-8-25	1015	G	Water			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	22	
23	SMW-3SB_20250508_FBLL	5-8-25	1015	G	Water										✓							2	
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested I, II, III, IV, Other (specify)

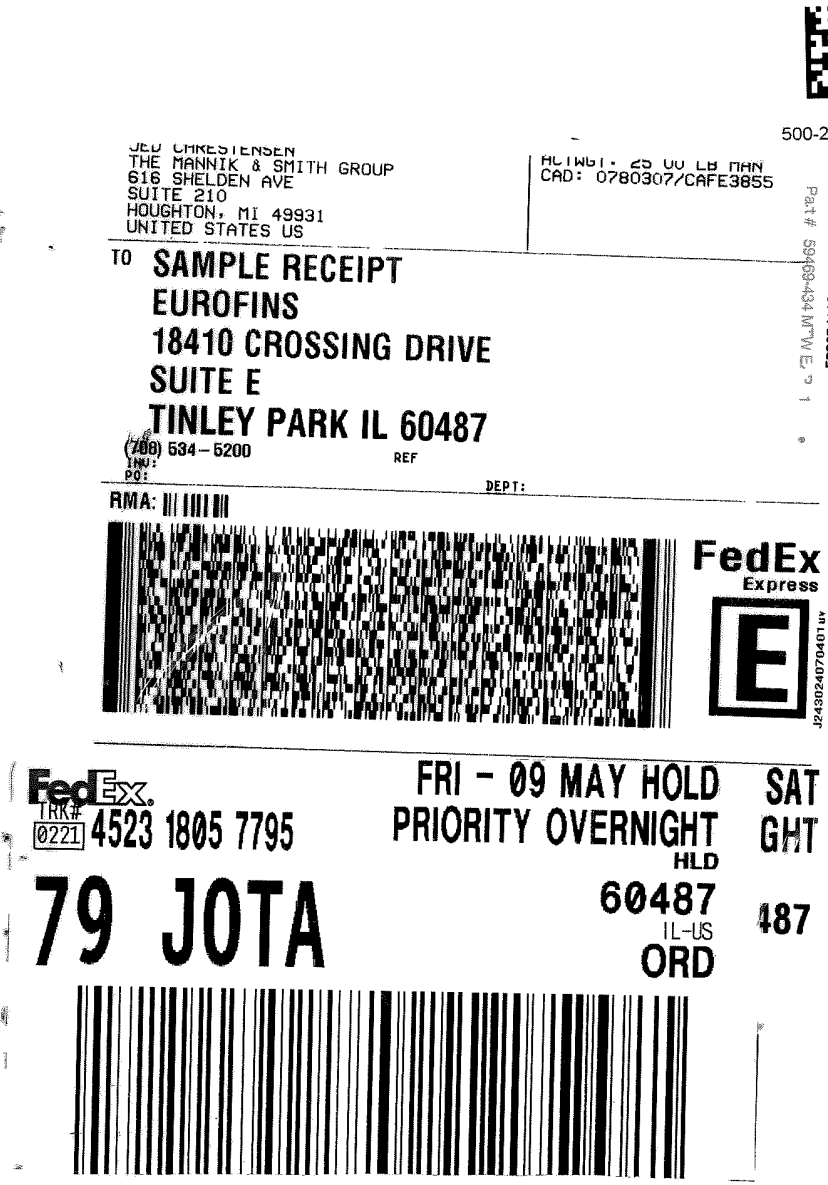
Special Instructions/QC Requirements MDLs must meet Michigan requirements

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment: FEDEX PRIORITY OVERNIGHT

	Relinquished by:	Date/Time	Company	Received by:	Date/Time:	Company
1	Ellen	5-8-25 / 1400	MSGr	4523 1805 7800	5-8-25 / 1400	Fedex
2	Relinquished by:	Date/Time	Company	Received by: Stephanie Hernandez	Date/Time: 5/9/25 0930	Company EEA
3	Relinquished by:	Date/Time	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks.


JED CHRESTENSEN
THE MANNIK & SMITH GROUP
616 SHELDEN AVE
SUITE 210
HOUGHTON, MI 49931
UNITED STATES US
ACTWGT: 25.00 LB MAN
CAD: 0780307/CAFE3855
TO SAMPLE RECEIPT
EUROFINS
18410 CROSSING DRIVE
SUITE E
TINLEY PARK IL 60487
(708) 534-5200
INV:
PO:
REF:
DEPT:
RMA:
FedEx Express
RETURNS MON-SAT
FRI - 09 MAY AA
PRIORITY OVERNIGHT
TRK# 0221 4523 1805 7843
79 JOTA
60487
IL-US
ORD


500-268062 Waybi
JED CHRESTENSEN
THE MANNIK & SMITH GROUP
616 SHELDEN AVE
SUITE 210
HOUGHTON, MI 49931
UNITED STATES US
ACTWGT: 25.00 LB MAN
CAD: 0780307/CAFE3855
TO SAMPLE RECEIPT
EUROFINS
18410 CROSSING DRIVE
SUITE E
TINLEY PARK IL 60487
(708) 534-5200
INV:
PO:
REF
DEPT:
RMA:
FedEx Express
FRI - 09 MAY HOLD
PRIORITY OVERNIGHT
HLD
TRK# 0221 4523 1805 7795
79 JOTA
60487
IL-US
ORD

Login Sample Receipt Checklist

Client: White Pine Copper LLC

Job Number: 500-268062-1

Login Number: 268062

List Source: Eurofins Chicago

List Number: 1

Creator: Hernandez, Stephanie

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.4,5.9,4.0,1.4,1.5,0.9,3.1
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: White Pine Copper LLC

Job Number: 500-268062-1

Login Number: 268062
List Number: 2
Creator: Singh, Jaskaran

List Source: Eurofins Seattle Specialty Metals
List Creation: 05/12/25 08:28 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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Date:	5/12/2025
End Time:	19:55
pH Paper Lot:	HC441704
Analyst:	JS
Pipette:	N/A

Preservative ID	Preservative Type	Container ID
A	Nitric Acid	78450
ZZZZZZZZZZZZZZZ	ZZZZZZZZZZZZZZZZZZZZZZZ	ZZZZZZZZZZ
ZZZZZZZZZZZZZZZ	ZZZZZZZZZZZZZZZZZZZZZZZ	ZZZZZZZZZZ
ZZZZZZZZZZZZZZZ	ZZZZZZZZZZZZZZZZZZZZZZZ	ZZZZZZZZZZ

Sample ID	Initial pH	Final pH	Preservative ID	Preservative Added (mL)	Comments
500-268062-M-1	<2				
500-268062-M-1 MS	<2				
500-268062-M-1 MSD	<2				
500-268062-N-1	<2				
500-268062-N-1 MS	<2				
500-268062-N-1 MSD	<2				
500-268062-M-3	<2				
500-268062-N-3	<2				
500-268062-M-5	<2				
500-268062-N-5	<2				
500-268062-M-7	<2				
500-268062-N-7	<2				
500-268062-O-9	<2				
500-268062-P-9	<2				
500-268062-M-11	<2				
500-268062-N-11	<2				
500-268062-M-13	<2				
500-268062-N-13	<2				
500-268062-M-15	<2				
500-268062-M-17	<2				
500-268062-N-17	<2				
500-268062-M-20	<2				
500-268062-N-20	<2				
500-268062-M-22	<2				
500-268062-N-22	<2				

JS 5/12/25

eurofins | Environment Testing

Date:	5/12/2025
End Time:	19:55
pH Paper Lot:	HC441704
Analyst:	JS
Pipette:	N/A

Preservative ID	Preservative Type	Container ID
A	Hydrochloric Acid	N/A
ZZZZZZZZZZZZZZZ	ZZZZZZZZZZZZZZZZZZZZZZZ	ZZZZZZZZZZ
ZZZZZZZZZZZZZZZ	ZZZZZZZZZZZZZZZZZZZZZZZ	ZZZZZZZZZZ
ZZZZZZZZZZZZZZZ	ZZZZZZZZZZZZZZZZZZZZZZZ	ZZZZZZZZZZ

Sample ID	Initial pH	Final pH	Preservative ID	Preservative Added (mL)	Comments
500-268062-E-1	<2				
500-268062-F-1	<2				
500-268062-E-1 MS	<2				
500-268062-F-1 MS	<2				
500-268062-E-1 MSD	<2				
500-268062-F-1 MSD	<2				
500-268062-E-3	<2				
500-268062-F-3	<2				
500-268062-E-5	<2				
500-268062-F-5	<2				
500-268062-E-7	<2				
500-268062-F-7	<2				
500-268062-G-9	<2				
500-268062-H-9	<2				
500-268062-E-11	<2				
500-268062-F-11	<2				
500-268062-F-13	<2				
500-268062-E-13	<2				
500-268062-E-15	<2				
500-268062-E-17	<2				
500-268062-F-17	<2				
500-268062-E-20	<2				
500-268062-F-20	<2				
500-268062-E-22	<2				
500-268062-F-22	<2				

JS 5/12/25

Groundwater and Surface Water Analytical Reports

Eurofins Chicago

August 2025

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Amanda Zeidler
White Pine Copper LLC
35362 Mall Circle Drive
White Pine, Michigan 49971

Generated 8/20/2025 8:23:46 AM

JOB DESCRIPTION

White Pines, MI

JOB NUMBER

500-272629-1

Eurofins Chicago
18410 Crossing Drive
Suite E
Tinley Park IL 60487

See page two for job notes and contact information.

my EOL

Eurofins Chicago

Job Notes

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. This report is confidential and is intended for the sole use of Eurofins Environment Testing North Central, LLC and its client. All questions regarding this report should be directed to the Eurofins Environment Testing North Central, LLC Project Manager who has signed this report.

Results relate only to the items tested and the sample(s) as received by the laboratory. The results, detection limits (LOD) and Quantitation Limits (LOQ) have been adjusted for sample dilutions and/or solids content.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Chicago Project Manager.

Compliance Statement

The LOD and LOQ reported are adjusted by the dilution factor when a dilution factor greater than 1 is needed. Additionally, where results are indicated as being reported on a dry weight basis, the LOD and LOQ are adjusted for moisture content as well.

Definitions of Limits
- LOD = Limit of Detection = MDL as defined by 40 CFR part 136 Appendix B
- LOQ = Limit of Quantitation = 3.33 x LOD as defined by Wisconsin
- RL = Report Limit = a concentration supported by a standard in the calibration curves

Authorization



Generated
8/20/2025 8:23:46 AM

Authorized for release by
Sandie Fredrick, Senior Project Manager
Sandra.Fredrick@et.eurofinsus.com
(920)261-1660

Table of Contents

Cover Page 1
Table of Contents 3
Case Narrative 4
Detection Summary 6
Method Summary 18
Sample Summary 19
Client Sample Results 20
Definitions 60
QC Association 61
QC Sample Results 74
Chronicle 97
Certification Summary 108
Chain of Custody 110
Receipt Checklists 126
Field Data Sheets 128

Job Narrative
500-272629-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt
The samples were received on 8/6/2025 9:05 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 6 coolers at receipt time were 0.2°C, 0.7°C, 1.5°C, 3.1°C, 4.1°C and 4.9°C.

Receipt Exceptions
The following sample(s) was received with insufficient time remaining to perform the analysis within holding time: IC N2,N3.

Metals
Method 6020B - Dissolved: The initial lo level calibration verification (ICVL) result for batch 500-830406 was above the upper control limit. The affected analytes are: Beryllium. Sample results were non-detects, and have been reported as qualified data.

Method 6020B - Dissolved: The method blank for preparation batch 500-829027 and analytical batch 500-830406 contained Boron above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

Method 6020B - Dissolved: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-5SB_20250804 (500-272629-5), MW-10_20250804 (500-272629-17), MW-3A_20250804 (500-272629-19), MW-3A_20250804 (500-272629-19[MS]), MW-3A_20250804 (500-272629-19[MSD]), (500-272629-O-19-B DU), (500-272629-P-19-B DU), (500-272629-O-19-A SD) and (500-272629-P-19-A SD). Elevated reporting limits (RLs) are provided.

Method 6020B - Dissolved: The method blank for preparation batch 500-829027 and analytical batch 500-830559 contained Boron above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

Method 6020B - Total Recoverable: The initial lo level calibration verification (ICVL) result for batch 500-830406 was above the upper control limit. The affected analytes are: Beryllium. Sample results were non-detects, and have been reported as qualified data.

Method 6020B - Total Recoverable: The method blank for preparation batch 500-829027 and analytical batch 500-830406 contained Boron above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

Method 6020B - Total Recoverable: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-5SB_20250804 (500-272629-5), MW-10_20250804 (500-272629-17), MW-3A_20250804 (500-272629-19), MW-3A_20250804 (500-272629-19[MS]), MW-3A_20250804 (500-272629-19[MSD]), (500-272629-O-19-B DU), (500-272629-P-19-B DU), (500-272629-O-19-A SD) and (500-272629-P-19-A SD). Elevated reporting limits (RLs) are provided.

Method 6020B - Total Recoverable: The method blank for preparation batch 500-829027 and analytical batch 500-830559 contained Boron above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Job ID: 500-272629-1 (Continued) Eurofins Chicago

General Chemistry

Method 300.0_28D: Due to the high concentration of Chloride, the matrix spike / matrix spike duplicate (MS/MSD) for analytical batch 500-830342 could not be evaluated for accuracy and precision. The associated laboratory control sample (LCS) met acceptance criteria.

Method 300_48HR: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 500-828874 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 300_48HR: The following sample was received outside of holding time: ARC-01_20250804 (500-272629-1) and MW-5SB_20250804 (500-272629-5)

Method 335.4: The matrix spike duplicate (MSD) recoveries for preparation batch 500-829529 and analytical batch 500-829581 were outside control limits. Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 335.4: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 500-829530 and analytical batch 500-829708 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 365.1: The method blank for preparation batch 500-829284 and analytical batch 500-829787 contained Phosphorus as P above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Detection Summary

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-272629-1

Client Sample ID: ARC-01_20250804 — Lab Sample ID: 500-272629-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	2.0		0.50	0.20	ng/L	1		1631E	Total/NA
Mercury	1.4		0.50	0.20	ng/L	1		1631E	Dissolved
Uranium	0.056		0.050	0.0098	ug/L	1		1638	Total Recoverable
Uranium	0.047	J	0.050	0.0098	ug/L	1		1638	Dissolved
Aluminum	87	J	100	25	ug/L	1		6020B	Total Recoverable
Arsenic	0.43	J	1.0	0.23	ug/L	1		6020B	Total Recoverable
Barium	30		2.5	0.73	ug/L	1		6020B	Total Recoverable
Boron	35	J B	50	13	ug/L	1		6020B	Total Recoverable
Calcium	25000		200	44	ug/L	1		6020B	Total Recoverable
Copper	2.6		2.0	0.50	ug/L	1		6020B	Total Recoverable
Iron	580		100	47	ug/L	1		6020B	Total Recoverable
Magnesium	6200		200	49	ug/L	1		6020B	Total Recoverable
Manganese	260		2.5	0.79	ug/L	1		6020B	Total Recoverable
Potassium	1100		500	110	ug/L	1		6020B	Total Recoverable
Sodium	1800		200	77	ug/L	1		6020B	Total Recoverable
Strontium	62		4.0	0.64	ug/L	1		6020B	Total Recoverable
Arsenic	0.41	J	1.0	0.23	ug/L	1		6020B	Dissolved
Barium	28		2.5	0.73	ug/L	1		6020B	Dissolved
Boron	22	J B	50	13	ug/L	1		6020B	Dissolved
Calcium	27000		200	44	ug/L	1		6020B	Dissolved
Copper	2.6		2.0	0.50	ug/L	1		6020B	Dissolved
Iron	450		100	47	ug/L	1		6020B	Dissolved
Magnesium	6500		200	49	ug/L	1		6020B	Dissolved
Manganese	200		2.5	0.79	ug/L	1		6020B	Dissolved
Potassium	1100		500	110	ug/L	1		6020B	Dissolved
Sodium	1800		200	77	ug/L	1		6020B	Dissolved
Strontium	63		4.0	0.64	ug/L	1		6020B	Dissolved
Hardness as calcium carbonate	89		0.91	0.46	mg/L	1		SM 2340B	Total Recoverable
Chloride	1.3		1.0	0.42	mg/L	1		300.0	Total/NA
Phosphorus as P	0.068	B	0.050	0.024	mg/L	1		365.1	Total/NA
Alkalinity	97		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	97		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	100		10	4.3	mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	13		5.0	1.9	mg/L	1		SM 2540D	Total/NA
Sulfide	0.68	J	1.0	0.23	mg/L	1		SM 4500 S2 F	Total/NA
Total Organic Carbon	8.1		1.0	0.44	mg/L	1		SM 5310C	Total/NA
Dissolved Organic Carbon	8.3		1.0	0.44	mg/L	1		SM 5310C	Dissolved

Client Sample ID: ARC-01_20250804_FBLL — Lab Sample ID: 500-272629-2

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Chicago

Detection Summary

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-272629-1

Client Sample ID: DKC-01_20250804 — Lab Sample ID: 500-272629-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl Mercury	0.056	B	0.050	0.022	ng/L	1		1630	Total/NA
Methyl Mercury	0.050	B	0.050	0.022	ng/L	1		1630	Dissolved
Mercury	1.4		0.50	0.20	ng/L	1		1631E	Total/NA
Mercury	1.2		0.50	0.20	ng/L	1		1631E	Dissolved
Uranium	0.29		0.050	0.0098	ug/L	1		1638	Total Recoverable
Uranium	0.28		0.050	0.0098	ug/L	1		1638	Dissolved
Aluminum	34	J	100	25	ug/L	1		6020B	Total Recoverable
Arsenic	0.40	J	1.0	0.23	ug/L	1		6020B	Total Recoverable
Barium	44		2.5	0.73	ug/L	1		6020B	Total Recoverable
Boron	46	J B	50	13	ug/L	1		6020B	Total Recoverable
Calcium	24000		200	44	ug/L	1		6020B	Total Recoverable
Copper	2.7		2.0	0.50	ug/L	1		6020B	Total Recoverable
Iron	170		100	47	ug/L	1		6020B	Total Recoverable
Magnesium	6400		200	49	ug/L	1		6020B	Total Recoverable
Manganese	8.2		2.5	0.79	ug/L	1		6020B	Total Recoverable
Potassium	1200		500	110	ug/L	1		6020B	Total Recoverable
Sodium	2000		200	77	ug/L	1		6020B	Total Recoverable
Strontium	58		4.0	0.64	ug/L	1		6020B	Total Recoverable
Arsenic	0.38	J	1.0	0.23	ug/L	1		6020B	Dissolved
Barium	43		2.5	0.73	ug/L	1		6020B	Dissolved
Boron	37	J B	50	13	ug/L	1		6020B	Dissolved
Calcium	25000		200	44	ug/L	1		6020B	Dissolved
Copper	3.5		2.0	0.50	ug/L	1		6020B	Dissolved
Iron	130		100	47	ug/L	1		6020B	Dissolved
Magnesium	6300		200	49	ug/L	1		6020B	Dissolved
Manganese	19		2.5	0.79	ug/L	1		6020B	Dissolved
Potassium	1200		500	110	ug/L	1		6020B	Dissolved
Sodium	2000		200	77	ug/L	1		6020B	Dissolved
Strontium	58		4.0	0.64	ug/L	1		6020B	Dissolved
Hardness as calcium carbonate	88		0.91	0.46	mg/L	1		SM 2340B	Total Recoverable
Sulfate	0.62	J	1.0	0.47	mg/L	1		300.0	Total/NA
Phosphorus as P	0.033	J B	0.050	0.024	mg/L	1		365.1	Total/NA
Alkalinity	90		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	90		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	46		10	4.3	mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	3.6	J	5.0	1.9	mg/L	1		SM 2540D	Total/NA
Sulfide	0.95	J	1.0	0.23	mg/L	1		SM 4500 S2 F	Total/NA
Total Organic Carbon	7.4		1.0	0.44	mg/L	1		SM 5310C	Total/NA
Dissolved Organic Carbon	7.7		1.0	0.44	mg/L	1		SM 5310C	Dissolved

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-272629-1

Client Sample ID: DKC-01_20250804_FBLL — Lab Sample ID: 500-272629-4

No Detections.

Client Sample ID: MW-5SB_20250804 — Lab Sample ID: 500-272629-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	0.35	J	0.50	0.20	ng/L	1		1631E	Total/NA
Mercury	0.27	J	0.50	0.20	ng/L	1		1631E	Dissolved
Uranium	0.77		0.050	0.0098	ug/L	1		1638	Total Recoverable
Uranium	0.69		0.050	0.0098	ug/L	1		1638	Dissolved
Aluminum	140		100	25	ug/L	1		6020B	Total Recoverable
Arsenic	0.46	J	1.0	0.23	ug/L	1		6020B	Total Recoverable
Barium	34		2.5	0.73	ug/L	1		6020B	Total Recoverable
Boron	350	B	50	13	ug/L	1		6020B	Total Recoverable
Calcium	14000		200	44	ug/L	1		6020B	Total Recoverable
Copper	1.8	J	2.0	0.50	ug/L	1		6020B	Total Recoverable
Iron	110		100	47	ug/L	1		6020B	Total Recoverable
Lithium	56		10	2.5	ug/L	1		6020B	Total Recoverable
Magnesium	290		200	49	ug/L	1		6020B	Total Recoverable
Manganese	23		2.5	0.79	ug/L	1		6020B	Total Recoverable
Molybdenum	91		5.0	2.5	ug/L	1		6020B	Total Recoverable
Potassium	350	J	500	110	ug/L	1		6020B	Total Recoverable
Sodium	220000		200	77	ug/L	1		6020B	Total Recoverable
Strontium	260		4.0	0.64	ug/L	1		6020B	Total Recoverable
Vanadium	2.2	J	5.0	2.2	ug/L	1		6020B	Total Recoverable
Arsenic	0.43	J	1.0	0.23	ug/L	1		6020B	Dissolved
Barium	46		2.5	0.73	ug/L	1		6020B	Dissolved
Boron	320	B	50	13	ug/L	1		6020B	Dissolved
Calcium	22000		200	44	ug/L	1		6020B	Dissolved
Lithium	67		10	2.5	ug/L	1		6020B	Dissolved
Magnesium	380		200	49	ug/L	1		6020B	Dissolved
Manganese	31		2.5	0.79	ug/L	1		6020B	Dissolved
Molybdenum	96		5.0	2.5	ug/L	1		6020B	Dissolved
Potassium	370	J	500	110	ug/L	1		6020B	Dissolved
Sodium	270000		1000	390	ug/L	5		6020B	Dissolved
Strontium	450		4.0	0.64	ug/L	1		6020B	Dissolved
Hardness as calcium carbonate	36		0.91	0.46	mg/L	1		SM 2340B	Total Recoverable
Bromide	3.5		1.0	0.45	mg/L	1		300.0	Total/NA
Chloride	350		10	4.2	mg/L	10		300.0	Total/NA
Nitrite as N	2.6	H	1.0	0.25	mg/L	1		300.0	Total/NA
Fluoride	1.1		1.0	0.43	mg/L	1		300.0	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-272629-1

Client Sample ID: MW-5SB_20250804 (Continued) — Lab Sample ID: 500-272629-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nitrate Nitrite as N	2.6	H	1.0	0.37	mg/L	1		300.0	Total/NA
Sulfate	36		1.0	0.47	mg/L	1		300.0	Total/NA
Phosphorus as P	0.038	J	0.050	0.024	mg/L	1		365.1	Total/NA
Alkalinity	54		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	36		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Carbonate Alkalinity as CaCO3	18		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Salinity	0.55		0.33	0.33	psu	1		SM 2520B	Total/NA
Total Dissolved Solids	580		10	4.3	mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	4.4	J	5.0	1.9	mg/L	1		SM 2540D	Total/NA

Client Sample ID: MW-5SB_20250804_FBLL — Lab Sample ID: 500-272629-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	0.21	J	0.50	0.20	ng/L	1		1631E	Total/NA

Client Sample ID: MW-5A_20250804 — Lab Sample ID: 500-272629-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	0.46	J	0.50	0.20	ng/L	1		1631E	Total/NA
Mercury	0.39	J	0.50	0.20	ng/L	1		1631E	Dissolved
Uranium	13		0.050	0.0098	ug/L	1		1638	Total Recoverable
Uranium	13		0.050	0.0098	ug/L	1		1638	Dissolved
Arsenic	0.46	J	1.0	0.23	ug/L	1		6020B	Total Recoverable
Barium	710		2.5	0.73	ug/L	1		6020B	Total Recoverable
Boron	230	B	50	13	ug/L	1		6020B	Total Recoverable
Calcium	170000		200	44	ug/L	1		6020B	Total Recoverable
Cobalt	0.63	J	1.0	0.40	ug/L	1		6020B	Total Recoverable
Copper	1.2	J	2.0	0.50	ug/L	1		6020B	Total Recoverable
Iron	340		100	47	ug/L	1		6020B	Total Recoverable
Lithium	76		10	2.5	ug/L	1		6020B	Total Recoverable
Magnesium	10000		200	49	ug/L	1		6020B	Total Recoverable
Manganese	1600		2.5	0.79	ug/L	1		6020B	Total Recoverable
Molybdenum	3.6	J	5.0	2.5	ug/L	1		6020B	Total Recoverable
Nickel	1.4	J	2.0	0.63	ug/L	1		6020B	Total Recoverable
Potassium	520		500	110	ug/L	1		6020B	Total Recoverable
Sodium	150000		200	77	ug/L	1		6020B	Total Recoverable
Strontium	3300		4.0	0.64	ug/L	1		6020B	Total Recoverable
Arsenic	0.43	J	1.0	0.23	ug/L	1		6020B	Dissolved
Barium	690		2.5	0.73	ug/L	1		6020B	Dissolved
Boron	220	B	50	13	ug/L	1		6020B	Dissolved

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-5A_20250804 (Continued) — Lab Sample ID: 500-272629-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	160000		200	44	ug/L	1		6020B	Dissolved
Cobalt	0.66	J	1.0	0.40	ug/L	1		6020B	Dissolved
Iron	400		100	47	ug/L	1		6020B	Dissolved
Lithium	72		10	2.5	ug/L	1		6020B	Dissolved
Magnesium	9800		200	49	ug/L	1		6020B	Dissolved
Manganese	1700		2.5	0.79	ug/L	1		6020B	Dissolved
Molybdenum	3.9	J	5.0	2.5	ug/L	1		6020B	Dissolved
Nickel	1.5	J	2.0	0.63	ug/L	1		6020B	Dissolved
Potassium	490	J	500	110	ug/L	1		6020B	Dissolved
Sodium	150000		200	77	ug/L	1		6020B	Dissolved
Strontium	3200		4.0	0.64	ug/L	1		6020B	Dissolved
Hardness as calcium carbonate	460		0.91	0.46	mg/L	1		SM 2340B	Total Recoverable
Bromide	3.2		1.0	0.45	mg/L	1		300.0	Total/NA
Chloride	300		10	4.2	mg/L	10		300.0	Total/NA
Sulfate	2.4		1.0	0.47	mg/L	1		300.0	Total/NA
Phosphorus as P	0.030	J	0.050	0.024	mg/L	1		365.1	Total/NA
Alkalinity	350		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	350		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Salinity	0.70		0.33	0.33	psu	1		SM 2520B	Total/NA
Total Dissolved Solids	850		10	4.3	mg/L	1		SM 2540C	Total/NA
Total Organic Carbon	3.6		1.0	0.44	mg/L	1		SM 5310C	Total/NA
Dissolved Organic Carbon	3.8		1.0	0.44	mg/L	1		SM 5310C	Dissolved

Client Sample ID: MW-5A_20250804_FBLL — Lab Sample ID: 500-272629-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	0.23	J	0.50	0.20	ng/L	1		1631E	Total/NA

Client Sample ID: SBD-01_20250804 — Lab Sample ID: 500-272629-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl Mercury	0.024	J B	0.050	0.022	ng/L	1		1630	Total/NA
Mercury	0.57		0.50	0.20	ng/L	1		1631E	Total/NA
Mercury	0.53		0.50	0.20	ng/L	1		1631E	Dissolved
Uranium	0.037	J	0.050	0.0098	ug/L	1		1638	Total Recoverable
Uranium	0.020	J	0.050	0.0098	ug/L	1		1638	Dissolved
Aluminum	360		100	25	ug/L	1		6020B	Total Recoverable
Arsenic	0.53	J	1.0	0.23	ug/L	1		6020B	Total Recoverable
Barium	24		2.5	0.73	ug/L	1		6020B	Total Recoverable
Boron	53	B	50	13	ug/L	1		6020B	Total Recoverable
Calcium	23000		200	44	ug/L	1		6020B	Total Recoverable
Copper	1.6	J	2.0	0.50	ug/L	1		6020B	Total Recoverable
Iron	1300		100	47	ug/L	1		6020B	Total Recoverable
Lithium	4.5	J	10	2.5	ug/L	1		6020B	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client Sample ID: SBD-01_20250804 (Continued) — Lab Sample ID: 500-272629-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Magnesium	4200		200	49	ug/L	1		6020B	Total Recoverable
Manganese	130		2.5	0.79	ug/L	1		6020B	Total Recoverable
Potassium	610		500	110	ug/L	1		6020B	Total Recoverable
Sodium	2400		200	77	ug/L	1		6020B	Total Recoverable
Strontium	110		4.0	0.64	ug/L	1		6020B	Total Recoverable
Arsenic	0.45	J	1.0	0.23	ug/L	1		6020B	Dissolved
Barium	18		2.5	0.73	ug/L	1		6020B	Dissolved
Boron	44	J B	50	13	ug/L	1		6020B	Dissolved
Calcium	23000		200	44	ug/L	1		6020B	Dissolved
Copper	0.53	J	2.0	0.50	ug/L	1		6020B	Dissolved
Iron	170		100	47	ug/L	1		6020B	Dissolved
Lithium	4.0	J	10	2.5	ug/L	1		6020B	Dissolved
Magnesium	4100		200	49	ug/L	1		6020B	Dissolved
Manganese	12		2.5	0.79	ug/L	1		6020B	Dissolved
Potassium	370	J	500	110	ug/L	1		6020B	Dissolved
Sodium	2400		200	77	ug/L	1		6020B	Dissolved
Strontium	110		4.0	0.64	ug/L	1		6020B	Dissolved
Hardness as calcium carbonate	76		0.91	0.46	mg/L	1		SM 2340B	Total Recoverable
Chloride	2.7		1.0	0.42	mg/L	1		300.0	Total/NA
Phosphorus as P	0.049	J	0.050	0.024	mg/L	1		365.1	Total/NA
Alkalinity	84		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	84		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	100		10	4.3	mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	21		5.0	1.9	mg/L	1		SM 2540D	Total/NA
Sulfide	1.2		1.0	0.23	mg/L	1		SM 4500 S2 F	Total/NA
Total Organic Carbon	10		1.0	0.44	mg/L	1		SM 5310C	Total/NA
Dissolved Organic Carbon	9.7		1.0	0.44	mg/L	1		SM 5310C	Dissolved

Client Sample ID: SBD-01_20250804_FBLL — Lab Sample ID: 500-272629-10

No Detections.

Client Sample ID: SBW-01_20250804 — Lab Sample ID: 500-272629-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	0.47	J	0.50	0.20	ng/L	1		1631E	Total/NA
Mercury	0.49	J	0.50	0.20	ng/L	1		1631E	Dissolved
Uranium	0.078		0.050	0.0098	ug/L	1		1638	Total Recoverable
Uranium	0.010	J	0.050	0.0098	ug/L	1		1638	Dissolved
Aluminum	200		100	25	ug/L	1		6020B	Total Recoverable
Arsenic	0.68	J	1.0	0.23	ug/L	1		6020B	Total Recoverable
Barium	27		2.5	0.73	ug/L	1		6020B	Total Recoverable
Boron	45	J B	50	13	ug/L	1		6020B	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client Sample ID: SBW-01_20250804 (Continued) — Lab Sample ID: 500-272629-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	18000		200	44	ug/L	1		6020B	Total Recoverable
Copper	14		2.0	0.50	ug/L	1		6020B	Total Recoverable
Iron	770		100	47	ug/L	1		6020B	Total Recoverable
Lead	0.21	J	0.50	0.19	ug/L	1		6020B	Total Recoverable
Magnesium	6300		200	49	ug/L	1		6020B	Total Recoverable
Manganese	51		2.5	0.79	ug/L	1		6020B	Total Recoverable
Potassium	470	J	500	110	ug/L	1		6020B	Total Recoverable
Sodium	2800		200	77	ug/L	1		6020B	Total Recoverable
Strontium	58		4.0	0.64	ug/L	1		6020B	Total Recoverable
Arsenic	0.55	J	1.0	0.23	ug/L	1		6020B	Dissolved
Barium	24		2.5	0.73	ug/L	1		6020B	Dissolved
Boron	38	J B	50	13	ug/L	1		6020B	Dissolved
Calcium	18000		200	44	ug/L	1		6020B	Dissolved
Copper	3.7		2.0	0.50	ug/L	1		6020B	Dissolved
Lithium	2.5	J	10	2.5	ug/L	1		6020B	Dissolved
Magnesium	6200		200	49	ug/L	1		6020B	Dissolved
Manganese	13		2.5	0.79	ug/L	1		6020B	Dissolved
Potassium	1000		500	110	ug/L	1		6020B	Dissolved
Sodium	3000		200	77	ug/L	1		6020B	Dissolved
Strontium	58		4.0	0.64	ug/L	1		6020B	Dissolved
Hardness as calcium carbonate	72		0.91	0.46	mg/L	1		SM 2340B	Total Recoverable
Phosphorus as P	0.14		0.050	0.024	mg/L	1		365.1	Total/NA
Alkalinity	84		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	84		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	42		10	4.3	mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	46		5.0	1.9	mg/L	1		SM 2540D	Total/NA
Sulfide	1.4		1.0	0.23	mg/L	1		SM 4500 S2 F	Total/NA
Total Organic Carbon	7.7		1.0	0.44	mg/L	1		SM 5310C	Total/NA
Dissolved Organic Carbon	7.6		1.0	0.44	mg/L	1		SM 5310C	Dissolved

Client Sample ID: SBW-01_20250804_FBLL — Lab Sample ID: 500-272629-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	0.90		0.50	0.20	ng/L	1		1631E	Total/NA

Client Sample ID: PNC-02_20250804 — Lab Sample ID: 500-272629-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	0.88		0.50	0.20	ng/L	1		1631E	Total/NA
Mercury	0.75		0.50	0.20	ng/L	1		1631E	Dissolved
Uranium	0.27		0.050	0.0098	ug/L	1		1638	Total Recoverable
Uranium	0.26		0.050	0.0098	ug/L	1		1638	Dissolved
Aluminum	170		100	25	ug/L	1		6020B	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client Sample ID: PNC-02_20250804 (Continued) — Lab Sample ID: 500-272629-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.66	J	1.0	0.23	ug/L	1		6020B	Total Recoverable
Barium	71		2.5	0.73	ug/L	1		6020B	Total Recoverable
Boron	37	J B	50	13	ug/L	1		6020B	Total Recoverable
Calcium	41000		200	44	ug/L	1		6020B	Total Recoverable
Copper	5.6		2.0	0.50	ug/L	1		6020B	Total Recoverable
Iron	860		100	47	ug/L	1		6020B	Total Recoverable
Lithium	2.9	J	10	2.5	ug/L	1		6020B	Total Recoverable
Magnesium	9100		200	49	ug/L	1		6020B	Total Recoverable
Manganese	170		2.5	0.79	ug/L	1		6020B	Total Recoverable
Potassium	640		500	110	ug/L	1		6020B	Total Recoverable
Sodium	5200		200	77	ug/L	1		6020B	Total Recoverable
Strontium	230		4.0	0.64	ug/L	1		6020B	Total Recoverable
Arsenic	0.61	J	1.0	0.23	ug/L	1		6020B	Dissolved
Barium	63		2.5	0.73	ug/L	1		6020B	Dissolved
Boron	26	J B	50	13	ug/L	1		6020B	Dissolved
Calcium	41000		200	44	ug/L	1		6020B	Dissolved
Copper	4.8		2.0	0.50	ug/L	1		6020B	Dissolved
Iron	170		100	47	ug/L	1		6020B	Dissolved
Lithium	2.9	J	10	2.5	ug/L	1		6020B	Dissolved
Magnesium	9100		200	49	ug/L	1		6020B	Dissolved
Manganese	100		2.5	0.79	ug/L	1		6020B	Dissolved
Potassium	630		500	110	ug/L	1		6020B	Dissolved
Sodium	5200		200	77	ug/L	1		6020B	Dissolved
Strontium	220		4.0	0.64	ug/L	1		6020B	Dissolved
Hardness as calcium carbonate	140		0.91	0.46	mg/L	1		SM 2340B	Total Recoverable
Chloride	14		1.0	0.42	mg/L	1		300.0	Total/NA
Phosphorus as P	0.044	J	0.050	0.024	mg/L	1		365.1	Total/NA
Alkalinity	130		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	130		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	130		10	4.3	mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	11		5.0	1.9	mg/L	1		SM 2540D	Total/NA
Sulfide	2.8		1.0	0.23	mg/L	1		SM 4500 S2 F	Total/NA
Total Organic Carbon	11		1.0	0.44	mg/L	1		SM 5310C	Total/NA
Dissolved Organic Carbon	11		1.0	0.44	mg/L	1		SM 5310C	Dissolved

Client Sample ID: PNC-02_20250804_FBLL — Lab Sample ID: 500-272629-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	0.27	J	0.50	0.20	ng/L	1		1631E	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-272629-1

Client Sample ID: MLR-02_20250804

Lab Sample ID: 500-272629-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	2.7		0.50	0.20	ng/L	1		1631E	Total/NA
Mercury	2.0		0.50	0.20	ng/L	1		1631E	Dissolved
Uranium	0.25		0.050	0.0098	ug/L	1		1638	Total Recoverable
Uranium	0.22		0.050	0.0098	ug/L	1		1638	Dissolved
Aluminum	870		100	25	ug/L	1		6020B	Total Recoverable
Arsenic	0.95	J	1.0	0.23	ug/L	1		6020B	Total Recoverable
Barium	37		2.5	0.73	ug/L	1		6020B	Total Recoverable
Boron	42	J B	50	13	ug/L	1		6020B	Total Recoverable
Calcium	24000		200	44	ug/L	1		6020B	Total Recoverable
Chromium	1.5	J	5.0	1.1	ug/L	1		6020B	Total Recoverable
Cobalt	0.52	J	1.0	0.40	ug/L	1		6020B	Total Recoverable
Copper	56		2.0	0.50	ug/L	1		6020B	Total Recoverable
Iron	1400		100	47	ug/L	1		6020B	Total Recoverable
Lead	0.44	J	0.50	0.19	ug/L	1		6020B	Total Recoverable
Magnesium	5600		200	49	ug/L	1		6020B	Total Recoverable
Manganese	110		2.5	0.79	ug/L	1		6020B	Total Recoverable
Nickel	1.3	J	2.0	0.63	ug/L	1		6020B	Total Recoverable
Potassium	1300		500	110	ug/L	1		6020B	Total Recoverable
Sodium	9700		200	77	ug/L	1		6020B	Total Recoverable
Strontium	61		4.0	0.64	ug/L	1		6020B	Total Recoverable
Vanadium	2.7	J	5.0	2.2	ug/L	1		6020B	Total Recoverable
Aluminum	44	J	100	25	ug/L	1		6020B	Dissolved
Arsenic	0.79	J	1.0	0.23	ug/L	1		6020B	Dissolved
Barium	30		2.5	0.73	ug/L	1		6020B	Dissolved
Boron	35	J B	50	13	ug/L	1		6020B	Dissolved
Calcium	23000		200	44	ug/L	1		6020B	Dissolved
Copper	38		2.0	0.50	ug/L	1		6020B	Dissolved
Iron	450		100	47	ug/L	1		6020B	Dissolved
Magnesium	5200		200	49	ug/L	1		6020B	Dissolved
Manganese	46		2.5	0.79	ug/L	1		6020B	Dissolved
Potassium	1100		500	110	ug/L	1		6020B	Dissolved
Sodium	9500		200	77	ug/L	1		6020B	Dissolved
Strontium	59		4.0	0.64	ug/L	1		6020B	Dissolved
Hardness as calcium carbonate	83		0.91	0.46	mg/L	1		SM 2340B	Total Recoverable
Chloride	12		1.0	0.42	mg/L	1		300.0	Total/NA
Sulfate	1.3		1.0	0.47	mg/L	1		300.0	Total/NA
Phosphorus as P	0.056		0.050	0.024	mg/L	1		365.1	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: MLR-02_20250804 (Continued) — Lab Sample ID: 500-272629-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Alkalinity	80		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	80		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	98		10	4.3	mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	130		6.3	2.4	mg/L	1		SM 2540D	Total/NA
Sulfide	1.6		1.0	0.23	mg/L	1		SM 4500 S2 F	Total/NA
Total Organic Carbon	13		1.0	0.44	mg/L	1		SM 5310C	Total/NA
Dissolved Organic Carbon	14		1.0	0.44	mg/L	1		SM 5310C	Dissolved

Client Sample ID: MLR-02_20250804_FBLL — Lab Sample ID: 500-272629-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	0.28	J	0.50	0.20	ng/L	1		1631E	Total/NA

Client Sample ID: MW-10_20250804 — Lab Sample ID: 500-272629-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl Mercury	0.045	J	0.050	0.022	ng/L	1		1630	Total/NA
Mercury	1.9		0.50	0.20	ng/L	1		1631E	Total/NA
Mercury	1.2		0.50	0.20	ng/L	1		1631E	Dissolved
Uranium	8.0		0.050	0.0098	ug/L	1		1638	Total Recoverable
Uranium	7.3		0.050	0.0098	ug/L	1		1638	Dissolved
Arsenic	0.31	J	1.0	0.23	ug/L	1		6020B	Total Recoverable
Barium	2500		2.5	0.73	ug/L	1		6020B	Total Recoverable
Boron	170	B	50	13	ug/L	1		6020B	Total Recoverable
Calcium	290000		1000	220	ug/L	5		6020B	Total Recoverable
Cobalt	0.90	J	1.0	0.40	ug/L	1		6020B	Total Recoverable
Copper	2.1		2.0	0.50	ug/L	1		6020B	Total Recoverable
Iron	960		100	47	ug/L	1		6020B	Total Recoverable
Lithium	51		10	2.5	ug/L	1		6020B	Total Recoverable
Magnesium	81000		200	49	ug/L	1		6020B	Total Recoverable
Manganese	5100		13	4.0	ug/L	5		6020B	Total Recoverable
Nickel	1.3	J	2.0	0.63	ug/L	1		6020B	Total Recoverable
Potassium	2300		500	110	ug/L	1		6020B	Total Recoverable
Sodium	45000		200	77	ug/L	1		6020B	Total Recoverable
Strontium	2900		4.0	0.64	ug/L	1		6020B	Total Recoverable
Vanadium	2.4	J	5.0	2.2	ug/L	1		6020B	Total Recoverable
Arsenic	0.26	J	1.0	0.23	ug/L	1		6020B	Dissolved
Barium	2500		2.5	0.73	ug/L	1		6020B	Dissolved
Boron	170	B	50	13	ug/L	1		6020B	Dissolved
Calcium	310000		1000	220	ug/L	5		6020B	Dissolved

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-10_20250804 (Continued) — Lab Sample ID: 500-272629-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cobalt	0.94	J	1.0	0.40	ug/L	1		6020B	Dissolved
Copper	0.58	J	2.0	0.50	ug/L	1		6020B	Dissolved
Iron	900		100	47	ug/L	1		6020B	Dissolved
Lithium	51		10	2.5	ug/L	1		6020B	Dissolved
Magnesium	84000		200	49	ug/L	1		6020B	Dissolved
Manganese	5400		13	4.0	ug/L	5		6020B	Dissolved
Nickel	1.1	J	2.0	0.63	ug/L	1		6020B	Dissolved
Potassium	2100		500	110	ug/L	1		6020B	Dissolved
Sodium	49000		200	77	ug/L	1		6020B	Dissolved
Strontium	3000		4.0	0.64	ug/L	1		6020B	Dissolved
Vanadium	2.3	J	5.0	2.2	ug/L	1		6020B	Dissolved
Hardness as calcium carbonate	1100		0.91	0.46	mg/L	1		SM 2340B	Total Recoverable
Bromide	5.3		1.0	0.45	mg/L	1		300.0	Total/NA
Chloride	470		10	4.2	mg/L	10		300.0	Total/NA
Sulfate	5.5		1.0	0.47	mg/L	1		300.0	Total/NA
Phosphorus as P	0.024	J	0.050	0.024	mg/L	1		365.1	Total/NA
Alkalinity	520		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	520		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Salinity	1.4		0.33	0.33	psu	1		SM 2520B	Total/NA
Total Dissolved Solids	1700		10	4.3	mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	5.0		5.0	1.9	mg/L	1		SM 2540D	Total/NA
Total Organic Carbon	7.7		1.0	0.44	mg/L	1		SM 5310C	Total/NA
Dissolved Organic Carbon	7.8		1.0	0.44	mg/L	1		SM 5310C	Dissolved

Client Sample ID: MW-10_20250804_FBLL — Lab Sample ID: 500-272629-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	0.23	J	0.50	0.20	ng/L	1		1631E	Total/NA

Client Sample ID: MW-3A_20250804 — Lab Sample ID: 500-272629-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	0.47	J	0.50	0.20	ng/L	1		1631E	Total/NA
Mercury	0.36	J	0.50	0.20	ng/L	1		1631E	Dissolved
Uranium	9.0		0.050	0.0098	ug/L	1		1638	Total Recoverable
Uranium	10		0.050	0.0098	ug/L	1		1638	Dissolved
Arsenic	2.1		1.0	0.23	ug/L	1		6020B	Total Recoverable
Barium	990		2.5	0.73	ug/L	1		6020B	Total Recoverable
Boron	370	B	50	13	ug/L	1		6020B	Total Recoverable
Calcium	240000		1000	220	ug/L	5		6020B	Total Recoverable
Cobalt	1.8		1.0	0.40	ug/L	1		6020B	Total Recoverable
Copper	0.51	J	2.0	0.50	ug/L	1		6020B	Total Recoverable
Iron	8200		100	47	ug/L	1		6020B	Total Recoverable
Lithium	86		10	2.5	ug/L	1		6020B	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-3A_20250804 (Continued) — Lab Sample ID: 500-272629-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Magnesium	54000		200	49	ug/L	1		6020B	Total Recoverable
Manganese	4700		13	4.0	ug/L	5		6020B	Total Recoverable
Molybdenum	2.6	J	5.0	2.5	ug/L	1		6020B	Total Recoverable
Nickel	2.3		2.0	0.63	ug/L	1		6020B	Total Recoverable
Potassium	1900		500	110	ug/L	1		6020B	Total Recoverable
Sodium	160000		200	77	ug/L	1		6020B	Total Recoverable
Strontium	5000		20	3.2	ug/L	5		6020B	Total Recoverable
Arsenic	1.7		1.0	0.23	ug/L	1		6020B	Dissolved
Barium	1000		2.5	0.73	ug/L	1		6020B	Dissolved
Boron	360	B	50	13	ug/L	1		6020B	Dissolved
Calcium	250000		1000	220	ug/L	5		6020B	Dissolved
Cobalt	1.3		1.0	0.40	ug/L	1		6020B	Dissolved
Iron	8200		100	47	ug/L	1		6020B	Dissolved
Lithium	85		10	2.5	ug/L	1		6020B	Dissolved
Magnesium	60000		200	49	ug/L	1		6020B	Dissolved
Manganese	3600		2.5	0.79	ug/L	1		6020B	Dissolved
Nickel	1.5	J	2.0	0.63	ug/L	1		6020B	Dissolved
Potassium	2300		500	110	ug/L	1		6020B	Dissolved
Sodium	150000		200	77	ug/L	1		6020B	Dissolved
Strontium	5200		20	3.2	ug/L	5		6020B	Dissolved
Hardness as calcium carbonate	820		0.91	0.46	mg/L	1		SM 2340B	Total Recoverable
Bromide	5.8		1.0	0.45	mg/L	1		300.0	Total/NA
Chloride	540		10	4.2	mg/L	10		300.0	Total/NA
Nitrite as N	3.5	F1	1.0	0.25	mg/L	1		300.0	Total/NA
Nitrate Nitrite as N	3.5		1.0	0.37	mg/L	1		300.0	Total/NA
Sulfate	1.3		1.0	0.47	mg/L	1		300.0	Total/NA
Alkalinity	500		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	500		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Salinity	1.4		0.33	0.33	psu	1		SM 2520B	Total/NA
Total Dissolved Solids	1500		10	4.3	mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	19		5.0	1.9	mg/L	1		SM 2540D	Total/NA
Total Organic Carbon	5.8		1.0	0.44	mg/L	1		SM 5310C	Total/NA
Dissolved Organic Carbon	5.9		1.0	0.44	mg/L	1		SM 5310C	Dissolved

Client Sample ID: MW-3A_20250804_FBLL — Lab Sample ID: 500-272629-20

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	0.22	J	0.50	0.20	ng/L	1		1631E	Total/NA

This Detection Summary does not include radiochemical test results.

Method Summary

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-272629-1

Method	Method Description	Protocol	Laboratory
1630	Methyl Mercury	EPA	EET SSM
1631E	Mercury, Low Level (CVAFS)	EPA	EET SSM
1638	Metals (ICP/MS)	EPA	EET SSM
6020B	Metals (ICP/MS)	SW846	EET CHI
SM 2340B	Total Hardness (as CaCO3) by calculation	SM	EET CHI
300.0	Anions, Ion Chromatography	EPA	EET CHI
335.4	Cyanide, Total	EPA	EET CHI
350.1	Nitrogen, Ammonia	EPA	EET CHI
365.1	Phosphorus, Total	EPA	EET CHI
SM 2320B	Alkalinity	SM	EET CHI
SM 2520B	Salinity	SM	EET CHI
SM 2540C	Solids, Total Dissolved (TDS)	SM	EET CHI
SM 2540D	Solids, Total Suspended (TSS)	SM	EET CHI
SM 4500 S2 F	Sulfide, Total	SM	EET CHI
SM 5310C	Organic Carbon, Dissolved (DOC)	SM	EET CLE
SM 5310C	Total Organic Carbon	SM	EET CLE
1630	Distillation, Methyl Mercury	EPA	EET SSM
1638	Preparation, Total Recoverable Metals	EPA	EET SSM
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET CHI
365.2/365.3/365	Phosphorus, Total	EPA	EET CHI
Distill/Ammonia	Distillation, Ammonia	None	EET CHI
Distill/CN	Distillation, Cyanide	None	EET CHI

Protocol References:

EPA = US Environmental Protection Agency
None = None
SM = "Standard Methods For The Examination Of Water And Wastewater"
SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET CHI = Eurofins Chicago, 18410 Crossing Drive, Suite E, Tinley Park, IL 60487, TEL (708)534-5200
EET CLE = Eurofins Cleveland, 180 S. Van Buren Avenue, Barberton, OH 44203, TEL (330)497-9396
EET SSM = Eurofins Seattle Specialty Metals, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

Sample Summary

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-272629-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
500-272629-1	ARC-01_20250804	Water	08/04/25 10:00	08/06/25 09:05	Michigan
500-272629-2	ARC-01_20250804_FBLL	Water	08/04/25 10:00	08/06/25 09:05	Michigan
500-272629-3	DKC-01_20250804	Water	08/04/25 11:15	08/06/25 09:05	Michigan
500-272629-4	DKC-01_20250804_FBLL	Water	08/04/25 11:15	08/06/25 09:05	Michigan
500-272629-5	MW-5SB_20250804	Water	08/04/25 10:30	08/06/25 09:05	Michigan
500-272629-6	MW-5SB_20250804_FBLL	Water	08/04/25 10:30	08/06/25 09:05	Michigan
500-272629-7	MW-5A_20250804	Water	08/04/25 12:20	08/06/25 09:05	Michigan
500-272629-8	MW-5A_20250804_FBLL	Water	08/04/25 12:20	08/06/25 09:05	Michigan
500-272629-9	SBD-01_20250804	Water	08/04/25 13:00	08/06/25 09:05	Michigan
500-272629-10	SBD-01_20250804_FBLL	Water	08/04/25 13:00	08/06/25 09:05	Michigan
500-272629-11	SBW-01_20250804	Water	08/04/25 14:30	08/06/25 09:05	Michigan
500-272629-12	SBW-01_20250804_FBLL	Water	08/04/25 14:30	08/06/25 09:05	Michigan
500-272629-13	PNC-02_20250804	Water	08/04/25 15:15	08/06/25 09:05	Michigan
500-272629-14	PNC-02_20250804_FBLL	Water	08/04/25 15:15	08/06/25 09:05	Michigan
500-272629-15	MLR-02_20250804	Water	08/04/25 16:30	08/06/25 09:05	Michigan
500-272629-16	MLR-02_20250804_FBLL	Water	08/04/25 16:30	08/06/25 09:05	Michigan
500-272629-17	MW-10_20250804	Water	08/04/25 14:15	08/06/25 09:05	Michigan
500-272629-18	MW-10_20250804_FBLL	Water	08/04/25 14:15	08/06/25 09:05	Michigan
500-272629-19	MW-3A_20250804	Water	08/04/25 16:20	08/06/25 09:05	Michigan
500-272629-20	MW-3A_20250804_FBLL	Water	08/04/25 16:20	08/06/25 09:05	Michigan

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-272629-1

Client Sample ID: ARC-01_20250804

Date Collected: 08/04/25 10:00
Date Received: 08/06/25 09:05

Lab Sample ID: 500-272629-1

Matrix: Water

Method: EPA 1630 - Methyl Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		08/14/25 12:07	08/14/25 23:21	1

Method: EPA 1630 - Methyl Mercury - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		08/12/25 11:33	08/12/25 19:02	1

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**2.0**		0.50	0.20	ng/L			08/11/25 17:14	1

Method: EPA 1631E - Mercury, Low Level (CVAFS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**1.4**		0.50	0.20	ng/L			08/11/25 17:19	1

Method: EPA 1638 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.056**		0.050	0.0098	ug/L		08/15/25 13:12	08/18/25 15:40	1

Method: EPA 1638 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.047**	**J**	0.050	0.0098	ug/L		08/15/25 13:12	08/18/25 13:33	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**87**	**J**	100	25	ug/L		08/07/25 08:13	08/15/25 14:59	1
Antimony	<1.3		3.0	1.3	ug/L		08/07/25 08:13	08/15/25 14:59	1
Arsenic	**0.43**	**J**	1.0	0.23	ug/L		08/07/25 08:13	08/15/25 14:59	1
Barium	**30**		2.5	0.73	ug/L		08/07/25 08:13	08/15/25 14:59	1
Beryllium	<0.53	^1+	1.0	0.53	ug/L		08/07/25 08:13	08/15/25 14:59	1
Boron	**35**	**J B**	50	13	ug/L		08/07/25 08:13	08/18/25 14:58	1
Cadmium	<0.17		0.50	0.17	ug/L		08/07/25 08:13	08/15/25 14:59	1
Calcium	**25000**		200	44	ug/L		08/07/25 08:13	08/15/25 14:59	1
Chromium	<1.1		5.0	1.1	ug/L		08/07/25 08:13	08/15/25 14:59	1
Cobalt	<0.40		1.0	0.40	ug/L		08/07/25 08:13	08/15/25 14:59	1
Copper	**2.6**		2.0	0.50	ug/L		08/07/25 08:13	08/15/25 14:59	1
Iron	**580**		100	47	ug/L		08/07/25 08:13	08/15/25 14:59	1
Lead	<0.19		0.50	0.19	ug/L		08/07/25 08:13	08/15/25 14:59	1
Lithium	<2.5		10	2.5	ug/L		08/07/25 08:13	08/15/25 14:59	1
Magnesium	**6200**		200	49	ug/L		08/07/25 08:13	08/15/25 14:59	1
Manganese	**260**		2.5	0.79	ug/L		08/07/25 08:13	08/15/25 14:59	1
Molybdenum	<2.5		5.0	2.5	ug/L		08/07/25 08:13	08/15/25 14:59	1
Nickel	<0.63		2.0	0.63	ug/L		08/07/25 08:13	08/15/25 14:59	1
Potassium	**1100**		500	110	ug/L		08/07/25 08:13	08/15/25 14:59	1
Selenium	<0.98		2.5	0.98	ug/L		08/07/25 08:13	08/15/25 14:59	1
Silver	<0.12		0.50	0.12	ug/L		08/07/25 08:13	08/15/25 14:59	1
Sodium	**1800**		200	77	ug/L		08/07/25 08:13	08/15/25 14:59	1
Strontium	**62**		4.0	0.64	ug/L		08/07/25 08:13	08/15/25 14:59	1
Thallium	<0.57		2.0	0.57	ug/L		08/07/25 08:13	08/15/25 14:59	1
Tin	<1.3		5.0	1.3	ug/L		08/07/25 08:13	08/15/25 14:59	1
Vanadium	<2.2		5.0	2.2	ug/L		08/07/25 08:13	08/15/25 14:59	1
Zinc	<6.9		20	6.9	ug/L		08/07/25 08:13	08/15/25 14:59	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-272629-1

Client Sample ID: ARC-01_20250804

Date Collected: 08/04/25 10:00
Date Received: 08/06/25 09:05

Lab Sample ID: 500-272629-1

Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<25		100	25	ug/L		08/07/25 08:13	08/15/25 15:42	1
Antimony	<1.3		3.0	1.3	ug/L		08/07/25 08:13	08/15/25 15:42	1
Arsenic	**0.41**	**J**	1.0	0.23	ug/L		08/07/25 08:13	08/15/25 15:42	1
Barium	**28**		2.5	0.73	ug/L		08/07/25 08:13	08/15/25 15:42	1
Beryllium	<0.53	^1+	1.0	0.53	ug/L		08/07/25 08:13	08/15/25 15:42	1
Boron	**22**	**J B**	50	13	ug/L		08/07/25 08:13	08/15/25 15:42	1
Cadmium	<0.17		0.50	0.17	ug/L		08/07/25 08:13	08/15/25 15:42	1
Calcium	**27000**		200	44	ug/L		08/07/25 08:13	08/15/25 15:42	1
Chromium	<1.1		5.0	1.1	ug/L		08/07/25 08:13	08/15/25 15:42	1
Cobalt	<0.40		1.0	0.40	ug/L		08/07/25 08:13	08/15/25 15:42	1
Copper	**2.6**		2.0	0.50	ug/L		08/07/25 08:13	08/15/25 15:42	1
Iron	**450**		100	47	ug/L		08/07/25 08:13	08/15/25 15:42	1
Lead	<0.19		0.50	0.19	ug/L		08/07/25 08:13	08/15/25 15:42	1
Lithium	<2.5		10	2.5	ug/L		08/07/25 08:13	08/15/25 15:42	1
Magnesium	**6500**		200	49	ug/L		08/07/25 08:13	08/15/25 15:42	1
Manganese	**200**		2.5	0.79	ug/L		08/07/25 08:13	08/15/25 15:42	1
Molybdenum	<2.5		5.0	2.5	ug/L		08/07/25 08:13	08/15/25 15:42	1
Nickel	<0.63		2.0	0.63	ug/L		08/07/25 08:13	08/15/25 15:42	1
Potassium	**1100**		500	110	ug/L		08/07/25 08:13	08/15/25 15:42	1
Selenium	<0.98		2.5	0.98	ug/L		08/07/25 08:13	08/15/25 15:42	1
Silver	<0.12		0.50	0.12	ug/L		08/07/25 08:13	08/15/25 15:42	1
Sodium	**1800**		200	77	ug/L		08/07/25 08:13	08/15/25 15:42	1
Strontium	**63**		4.0	0.64	ug/L		08/07/25 08:13	08/15/25 15:42	1
Thallium	<0.57		2.0	0.57	ug/L		08/07/25 08:13	08/15/25 15:42	1
Tin	<1.3		5.0	1.3	ug/L		08/07/25 08:13	08/15/25 15:42	1
Vanadium	<2.2		5.0	2.2	ug/L		08/07/25 08:13	08/15/25 15:42	1
Zinc	<6.9		20	6.9	ug/L		08/07/25 08:13	08/15/25 15:42	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**89**		0.91	0.46	mg/L		08/07/25 08:13	08/18/25 10:14	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	<0.45		1.0	0.45	mg/L			08/07/25 03:12	1
Nitrate as N (EPA 300.0)	<0.37	H3	1.0	0.37	mg/L			08/06/25 13:09	1
Chloride (EPA 300.0)	**1.3**		1.0	0.42	mg/L			08/07/25 03:12	1
Nitrite as N (EPA 300.0)	<0.25	H3	1.0	0.25	mg/L			08/06/25 13:09	1
Fluoride (EPA 300.0)	<0.43		1.0	0.43	mg/L			08/07/25 03:12	1
Nitrate Nitrite as N (EPA 300.0)	<0.37	H3	1.0	0.37	mg/L			08/06/25 13:09	1
Sulfate (EPA 300.0)	<0.47		1.0	0.47	mg/L			08/07/25 03:12	1
Cyanide, Total (EPA 335.4)	<0.0036		0.0050	0.0036	mg/L		08/11/25 14:11	08/11/25 17:15	1
Ammonia (EPA 350.1)	<0.10		0.20	0.10	mg/L		08/18/25 14:55	08/19/25 17:07	1
Phosphorus as P (EPA 365.1)	**0.068**	**B**	0.050	0.024	mg/L		08/08/25 11:35	08/12/25 17:39	1
Alkalinity (SM 2320B)	**97**		5.0	3.7	mg/L			08/10/25 11:40	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**97**		5.0	3.7	mg/L			08/10/25 11:40	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<3.7		5.0	3.7	mg/L			08/10/25 11:40	1
Salinity (SM 2520B)	<0.33		0.33	0.33	psu			08/14/25 14:13	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-272629-1

Client Sample ID: ARC-01_20250804
Date Collected: 08/04/25 10:00
Date Received: 08/06/25 09:05

Lab Sample ID: 500-272629-1
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	100		10	4.3	mg/L			08/07/25 08:31	1
Total Suspended Solids (SM 2540D)	13		5.0	1.9	mg/L			08/07/25 07:36	1
Sulfide (SM 4500 S2 F)	0.68	J	1.0	0.23	mg/L			08/07/25 13:21	1
Total Organic Carbon (SM 5310C)	8.1		1.0	0.44	mg/L			08/13/25 23:19	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Method
Dissolved Organic Carbon (SM 5310C)	8.3		1.0	0.44	mg/L		08/13/25 23:43	1	SM 5310C

Client Sample Results

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-272629-1

Client Sample ID: ARC-01_20250804_FBLL

Date Collected: 08/04/25 10:00
Date Received: 08/06/25 09:05

Lab Sample ID: 500-272629-2

Matrix: Water

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			08/11/25 17:23	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-272629-1

Client Sample ID: DKC-01_20250804

Date Collected: 08/04/25 11:15
Date Received: 08/06/25 09:05

Lab Sample ID: 500-272629-3

Matrix: Water

Method: EPA 1630 - Methyl Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	**0.056**	**B**	0.050	0.022	ng/L		08/12/25 11:33	08/12/25 19:23	1

Method: EPA 1630 - Methyl Mercury - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	**0.050**	**B**	0.050	0.022	ng/L		08/12/25 11:33	08/12/25 19:13	1

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**1.4**		0.50	0.20	ng/L			08/11/25 17:27	1

Method: EPA 1631E - Mercury, Low Level (CVAFS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**1.2**		0.50	0.20	ng/L			08/11/25 17:31	1

Method: EPA 1638 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.29**		0.050	0.0098	ug/L		08/15/25 13:12	08/18/25 15:51	1

Method: EPA 1638 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.28**		0.050	0.0098	ug/L		08/15/25 13:12	08/18/25 13:52	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**34**	**J**	100	25	ug/L		08/07/25 08:13	08/15/25 15:01	1
Antimony	<1.3		3.0	1.3	ug/L		08/07/25 08:13	08/15/25 15:01	1
Arsenic	**0.40**	**J**	1.0	0.23	ug/L		08/07/25 08:13	08/15/25 15:01	1
Barium	**44**		2.5	0.73	ug/L		08/07/25 08:13	08/15/25 15:01	1
Beryllium	<0.53	^1+	1.0	0.53	ug/L		08/07/25 08:13	08/15/25 15:01	1
Boron	**46**	**J B**	50	13	ug/L		08/07/25 08:13	08/18/25 15:01	1
Cadmium	<0.17		0.50	0.17	ug/L		08/07/25 08:13	08/15/25 15:01	1
Calcium	**24000**		200	44	ug/L		08/07/25 08:13	08/15/25 15:01	1
Chromium	<1.1		5.0	1.1	ug/L		08/07/25 08:13	08/15/25 15:01	1
Cobalt	<0.40		1.0	0.40	ug/L		08/07/25 08:13	08/15/25 15:01	1
Copper	**2.7**		2.0	0.50	ug/L		08/07/25 08:13	08/15/25 15:01	1
Iron	**170**		100	47	ug/L		08/07/25 08:13	08/15/25 15:01	1
Lead	<0.19		0.50	0.19	ug/L		08/07/25 08:13	08/15/25 15:01	1
Lithium	<2.5		10	2.5	ug/L		08/07/25 08:13	08/15/25 15:01	1
Magnesium	**6400**		200	49	ug/L		08/07/25 08:13	08/15/25 15:01	1
Manganese	**8.2**		2.5	0.79	ug/L		08/07/25 08:13	08/15/25 15:01	1
Molybdenum	<2.5		5.0	2.5	ug/L		08/07/25 08:13	08/15/25 15:01	1
Nickel	<0.63		2.0	0.63	ug/L		08/07/25 08:13	08/15/25 15:01	1
Potassium	**1200**		500	110	ug/L		08/07/25 08:13	08/15/25 15:01	1
Selenium	<0.98		2.5	0.98	ug/L		08/07/25 08:13	08/15/25 15:01	1
Silver	<0.12		0.50	0.12	ug/L		08/07/25 08:13	08/15/25 15:01	1
Sodium	**2000**		200	77	ug/L		08/07/25 08:13	08/15/25 15:01	1
Strontium	**58**		4.0	0.64	ug/L		08/07/25 08:13	08/15/25 15:01	1
Thallium	<0.57		2.0	0.57	ug/L		08/07/25 08:13	08/15/25 15:01	1
Tin	<1.3		5.0	1.3	ug/L		08/07/25 08:13	08/15/25 15:01	1
Vanadium	<2.2		5.0	2.2	ug/L		08/07/25 08:13	08/15/25 15:01	1
Zinc	<6.9		20	6.9	ug/L		08/07/25 08:13	08/15/25 15:01	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-272629-1

Client Sample ID: DKC-01_20250804

Date Collected: 08/04/25 11:15
Date Received: 08/06/25 09:05

Lab Sample ID: 500-272629-3

Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<25		100	25	ug/L		08/07/25 08:13	08/15/25 15:44	1
Antimony	<1.3		3.0	1.3	ug/L		08/07/25 08:13	08/15/25 15:44	1
Arsenic	**0.38**	**J**	1.0	0.23	ug/L		08/07/25 08:13	08/15/25 15:44	1
Barium	**43**		2.5	0.73	ug/L		08/07/25 08:13	08/15/25 15:44	1
Beryllium	<0.53	^1+	1.0	0.53	ug/L		08/07/25 08:13	08/15/25 15:44	1
Boron	**37**	**J B**	50	13	ug/L		08/07/25 08:13	08/15/25 15:44	1
Cadmium	<0.17		0.50	0.17	ug/L		08/07/25 08:13	08/15/25 15:44	1
Calcium	**25000**		200	44	ug/L		08/07/25 08:13	08/15/25 15:44	1
Chromium	<1.1		5.0	1.1	ug/L		08/07/25 08:13	08/15/25 15:44	1
Cobalt	<0.40		1.0	0.40	ug/L		08/07/25 08:13	08/15/25 15:44	1
Copper	**3.5**		2.0	0.50	ug/L		08/07/25 08:13	08/15/25 15:44	1
Iron	**130**		100	47	ug/L		08/07/25 08:13	08/15/25 15:44	1
Lead	<0.19		0.50	0.19	ug/L		08/07/25 08:13	08/15/25 15:44	1
Lithium	<2.5		10	2.5	ug/L		08/07/25 08:13	08/15/25 15:44	1
Magnesium	**6300**		200	49	ug/L		08/07/25 08:13	08/15/25 15:44	1
Manganese	**19**		2.5	0.79	ug/L		08/07/25 08:13	08/15/25 15:44	1
Molybdenum	<2.5		5.0	2.5	ug/L		08/07/25 08:13	08/15/25 15:44	1
Nickel	<0.63		2.0	0.63	ug/L		08/07/25 08:13	08/15/25 15:44	1
Potassium	**1200**		500	110	ug/L		08/07/25 08:13	08/15/25 15:44	1
Selenium	<0.98		2.5	0.98	ug/L		08/07/25 08:13	08/15/25 15:44	1
Silver	<0.12		0.50	0.12	ug/L		08/07/25 08:13	08/15/25 15:44	1
Sodium	**2000**		200	77	ug/L		08/07/25 08:13	08/15/25 15:44	1
Strontium	**58**		4.0	0.64	ug/L		08/07/25 08:13	08/15/25 15:44	1
Thallium	<0.57		2.0	0.57	ug/L		08/07/25 08:13	08/15/25 15:44	1
Tin	<1.3		5.0	1.3	ug/L		08/07/25 08:13	08/15/25 15:44	1
Vanadium	<2.2		5.0	2.2	ug/L		08/07/25 08:13	08/15/25 15:44	1
Zinc	<6.9		20	6.9	ug/L		08/07/25 08:13	08/15/25 15:44	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**88**		0.91	0.46	mg/L		08/07/25 08:13	08/18/25 10:14	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	<0.45		1.0	0.45	mg/L			08/07/25 00:05	1
Nitrate as N (EPA 300.0)	<0.37		1.0	0.37	mg/L			08/06/25 10:02	1
Chloride (EPA 300.0)	<0.42		1.0	0.42	mg/L			08/07/25 00:05	1
Nitrite as N (EPA 300.0)	<0.25		1.0	0.25	mg/L			08/06/25 10:02	1
Fluoride (EPA 300.0)	<0.43		1.0	0.43	mg/L			08/07/25 00:05	1
Nitrate Nitrite as N (EPA 300.0)	<0.37		1.0	0.37	mg/L			08/06/25 10:02	1
Sulfate (EPA 300.0)	**0.62**	**J**	1.0	0.47	mg/L			08/07/25 00:05	1
Cyanide, Total (EPA 335.4)	<0.0036		0.0050	0.0036	mg/L		08/11/25 14:11	08/11/25 17:15	1
Ammonia (EPA 350.1)	<0.10		0.20	0.10	mg/L		08/18/25 14:55	08/19/25 17:07	1
Phosphorus as P (EPA 365.1)	**0.033**	**J B**	0.050	0.024	mg/L		08/08/25 11:35	08/12/25 17:39	1
Alkalinity (SM 2320B)	**90**		5.0	3.7	mg/L			08/10/25 11:49	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**90**		5.0	3.7	mg/L			08/10/25 11:49	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<3.7		5.0	3.7	mg/L			08/10/25 11:49	1
Salinity (SM 2520B)	<0.33		0.33	0.33	psu			08/11/25 16:26	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-272629-1

Client Sample ID: DKC-01_20250804
Date Collected: 08/04/25 11:15
Date Received: 08/06/25 09:05

Lab Sample ID: 500-272629-3
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	46		10	4.3	mg/L			08/07/25 08:34	1
Total Suspended Solids (SM 2540D)	3.6	J	5.0	1.9	mg/L			08/07/25 07:38	1
Sulfide (SM 4500 S2 F)	0.95	J	1.0	0.23	mg/L			08/07/25 13:26	1
Total Organic Carbon (SM 5310C)	7.4		1.0	0.44	mg/L			08/14/25 00:07	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Method
Dissolved Organic Carbon (SM 5310C)	7.7		1.0	0.44	mg/L		08/14/25 00:31	1	SM 5310C

Client Sample Results

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-272629-1

Client Sample ID: DKC-01_20250804_FBLL
Date Collected: 08/04/25 11:15
Date Received: 08/06/25 09:05

Lab Sample ID: 500-272629-4
Matrix: Water

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			08/11/25 17:43	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-272629-1

Client Sample ID: MW-5SB_20250804

Date Collected: 08/04/25 10:30
Date Received: 08/06/25 09:05

Lab Sample ID: 500-272629-5

Matrix: Water

Method: EPA 1630 - Methyl Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		08/12/25 11:33	08/12/25 19:43	1

Method: EPA 1630 - Methyl Mercury - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		08/12/25 11:33	08/12/25 19:33	1

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.35**	**J**	0.50	0.20	ng/L			08/11/25 17:48	1

Method: EPA 1631E - Mercury, Low Level (CVAFS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.27**	**J**	0.50	0.20	ng/L			08/11/25 17:52	1

Method: EPA 1638 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.77**		0.050	0.0098	ug/L		08/15/25 13:12	08/18/25 16:02	1

Method: EPA 1638 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.69**		0.050	0.0098	ug/L		08/15/25 13:12	08/18/25 13:55	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**140**		100	25	ug/L		08/07/25 08:13	08/15/25 15:04	1
Antimony	<1.3		3.0	1.3	ug/L		08/07/25 08:13	08/15/25 15:04	1
Arsenic	**0.46**	**J**	1.0	0.23	ug/L		08/07/25 08:13	08/15/25 15:04	1
Barium	**34**		2.5	0.73	ug/L		08/07/25 08:13	08/15/25 15:04	1
Beryllium	<0.53	^1+	1.0	0.53	ug/L		08/07/25 08:13	08/15/25 15:04	1
Boron	**350**	**B**	50	13	ug/L		08/07/25 08:13	08/18/25 15:03	1
Cadmium	<0.17		0.50	0.17	ug/L		08/07/25 08:13	08/15/25 15:04	1
Calcium	**14000**		200	44	ug/L		08/07/25 08:13	08/15/25 15:04	1
Chromium	<1.1		5.0	1.1	ug/L		08/07/25 08:13	08/15/25 15:04	1
Cobalt	<0.40		1.0	0.40	ug/L		08/07/25 08:13	08/15/25 15:04	1
Copper	**1.8**	**J**	2.0	0.50	ug/L		08/07/25 08:13	08/15/25 15:04	1
Iron	**110**		100	47	ug/L		08/07/25 08:13	08/15/25 15:04	1
Lead	<0.19		0.50	0.19	ug/L		08/07/25 08:13	08/15/25 15:04	1
Lithium	**56**		10	2.5	ug/L		08/07/25 08:13	08/15/25 15:04	1
Magnesium	**290**		200	49	ug/L		08/07/25 08:13	08/15/25 15:04	1
Manganese	**23**		2.5	0.79	ug/L		08/07/25 08:13	08/15/25 15:04	1
Molybdenum	**91**		5.0	2.5	ug/L		08/07/25 08:13	08/15/25 15:04	1
Nickel	<0.63		2.0	0.63	ug/L		08/07/25 08:13	08/15/25 15:04	1
Potassium	**350**	**J**	500	110	ug/L		08/07/25 08:13	08/15/25 15:04	1
Selenium	<0.98		2.5	0.98	ug/L		08/07/25 08:13	08/15/25 15:04	1
Silver	<0.12		0.50	0.12	ug/L		08/07/25 08:13	08/15/25 15:04	1
Sodium	**220000**		200	77	ug/L		08/07/25 08:13	08/15/25 15:04	1
Strontium	**260**		4.0	0.64	ug/L		08/07/25 08:13	08/15/25 15:04	1
Thallium	<0.57		2.0	0.57	ug/L		08/07/25 08:13	08/15/25 15:04	1
Tin	<1.3		5.0	1.3	ug/L		08/07/25 08:13	08/15/25 15:04	1
Vanadium	**2.2**	**J**	5.0	2.2	ug/L		08/07/25 08:13	08/15/25 15:04	1
Zinc	<6.9		20	6.9	ug/L		08/07/25 08:13	08/15/25 15:04	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-272629-1

Client Sample ID: MW-5SB_20250804

Date Collected: 08/04/25 10:30
Date Received: 08/06/25 09:05

Lab Sample ID: 500-272629-5

Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<25		100	25	ug/L		08/07/25 08:13	08/15/25 15:47	1
Antimony	<1.3		3.0	1.3	ug/L		08/07/25 08:13	08/15/25 15:47	1
Arsenic	**0.43**	**J**	1.0	0.23	ug/L		08/07/25 08:13	08/15/25 15:47	1
Barium	**46**		2.5	0.73	ug/L		08/07/25 08:13	08/15/25 15:47	1
Beryllium	<0.53	^1+	1.0	0.53	ug/L		08/07/25 08:13	08/15/25 15:47	1
Boron	**320**	**B**	50	13	ug/L		08/07/25 08:13	08/15/25 15:47	1
Cadmium	<0.17		0.50	0.17	ug/L		08/07/25 08:13	08/15/25 15:47	1
Calcium	**22000**		200	44	ug/L		08/07/25 08:13	08/15/25 15:47	1
Chromium	<1.1		5.0	1.1	ug/L		08/07/25 08:13	08/15/25 15:47	1
Cobalt	<0.40		1.0	0.40	ug/L		08/07/25 08:13	08/15/25 15:47	1
Copper	<0.50		2.0	0.50	ug/L		08/07/25 08:13	08/15/25 15:47	1
Iron	<47		100	47	ug/L		08/07/25 08:13	08/15/25 15:47	1
Lead	<0.19		0.50	0.19	ug/L		08/07/25 08:13	08/15/25 15:47	1
Lithium	**67**		10	2.5	ug/L		08/07/25 08:13	08/15/25 15:47	1
Magnesium	**380**		200	49	ug/L		08/07/25 08:13	08/15/25 15:47	1
Manganese	**31**		2.5	0.79	ug/L		08/07/25 08:13	08/15/25 15:47	1
Molybdenum	**96**		5.0	2.5	ug/L		08/07/25 08:13	08/15/25 15:47	1
Nickel	<0.63		2.0	0.63	ug/L		08/07/25 08:13	08/15/25 15:47	1
Potassium	**370**	**J**	500	110	ug/L		08/07/25 08:13	08/15/25 15:47	1
Selenium	<0.98		2.5	0.98	ug/L		08/07/25 08:13	08/15/25 15:47	1
Silver	<0.12		0.50	0.12	ug/L		08/07/25 08:13	08/15/25 15:47	1
Sodium	**270000**		1000	390	ug/L		08/07/25 08:13	08/18/25 15:37	5
Strontium	**450**		4.0	0.64	ug/L		08/07/25 08:13	08/15/25 15:47	1
Thallium	<0.57		2.0	0.57	ug/L		08/07/25 08:13	08/15/25 15:47	1
Tin	<1.3		5.0	1.3	ug/L		08/07/25 08:13	08/15/25 15:47	1
Vanadium	<2.2		5.0	2.2	ug/L		08/07/25 08:13	08/15/25 15:47	1
Zinc	<6.9		20	6.9	ug/L		08/07/25 08:13	08/15/25 15:47	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**36**		0.91	0.46	mg/L		08/07/25 08:13	08/18/25 10:14	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	**3.5**		1.0	0.45	mg/L			08/07/25 03:28	1
Nitrate as N (EPA 300.0)	<0.37	H	1.0	0.37	mg/L			08/06/25 13:25	1
Chloride (EPA 300.0)	**350**		10	4.2	mg/L			08/16/25 22:24	10
Nitrite as N (EPA 300.0)	**2.6**	**H**	1.0	0.25	mg/L			08/06/25 13:25	1
Fluoride (EPA 300.0)	**1.1**		1.0	0.43	mg/L			08/07/25 03:28	1
Nitrate Nitrite as N (EPA 300.0)	**2.6**	**H**	1.0	0.37	mg/L			08/06/25 13:25	1
Sulfate (EPA 300.0)	**36**		1.0	0.47	mg/L			08/07/25 03:28	1
Cyanide, Total (EPA 335.4)	<0.0036	F1	0.0050	0.0036	mg/L		08/11/25 14:11	08/11/25 17:15	1
Ammonia (EPA 350.1)	<0.10		0.20	0.10	mg/L		08/18/25 14:55	08/19/25 17:08	1
Phosphorus as P (EPA 365.1)	**0.038**	**J**	0.050	0.024	mg/L		08/07/25 09:08	08/08/25 10:25	1
Alkalinity (SM 2320B)	**54**		5.0	3.7	mg/L			08/10/25 11:57	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**36**		5.0	3.7	mg/L			08/10/25 11:57	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	**18**		5.0	3.7	mg/L			08/10/25 11:57	1
Salinity (SM 2520B)	**0.55**		0.33	0.33	psu			08/11/25 16:26	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-272629-1

Client Sample ID: MW-5SB_20250804
Date Collected: 08/04/25 10:30
Date Received: 08/06/25 09:05

Lab Sample ID: 500-272629-5
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**580**		10	4.3	mg/L			08/07/25 08:36	1
Total Suspended Solids (SM 2540D)	**4.4**	**J**	5.0	1.9	mg/L			08/07/25 07:41	1
Sulfide (SM 4500 S2 F)	<0.23		1.0	0.23	mg/L			08/07/25 13:31	1
Total Organic Carbon (SM 5310C)	<0.44		1.0	0.44	mg/L			08/14/25 01:47	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Method
Dissolved Organic Carbon (SM 5310C)	<0.44		1.0	0.44	mg/L		08/14/25 02:11	1	SM 5310C

Client Sample Results

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-272629-1

Client Sample ID: MW-5SB_20250804_FBLL

Lab Sample ID: 500-272629-6

Date Collected: 08/04/25 10:30
Matrix: Water
Date Received: 08/06/25 09:05

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.21	J	0.50	0.20	ng/L			08/11/25 17:56	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-272629-1

Client Sample ID: MW-5A_20250804

Date Collected: 08/04/25 12:20
Date Received: 08/06/25 09:05

Lab Sample ID: 500-272629-7

Matrix: Water

Method: EPA 1630 - Methyl Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		08/12/25 11:33	08/12/25 19:53	1

Method: EPA 1630 - Methyl Mercury - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		08/12/25 11:33	08/12/25 20:04	1

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.46**	**J**	0.50	0.20	ng/L			08/11/25 18:00	1

Method: EPA 1631E - Mercury, Low Level (CVAFS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.39**	**J**	0.50	0.20	ng/L			08/11/25 18:04	1

Method: EPA 1638 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**13**		0.050	0.0098	ug/L		08/15/25 13:12	08/18/25 16:06	1

Method: EPA 1638 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**13**		0.050	0.0098	ug/L		08/15/25 13:12	08/18/25 13:59	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<25		100	25	ug/L		08/07/25 08:13	08/15/25 15:06	1
Antimony	<1.3		3.0	1.3	ug/L		08/07/25 08:13	08/15/25 15:06	1
Arsenic	**0.46**	**J**	1.0	0.23	ug/L		08/07/25 08:13	08/15/25 15:06	1
Barium	**710**		2.5	0.73	ug/L		08/07/25 08:13	08/15/25 15:06	1
Beryllium	<0.53	^1+	1.0	0.53	ug/L		08/07/25 08:13	08/15/25 15:06	1
Boron	**230**	**B**	50	13	ug/L		08/07/25 08:13	08/18/25 15:06	1
Cadmium	<0.17		0.50	0.17	ug/L		08/07/25 08:13	08/15/25 15:06	1
Calcium	**170000**		200	44	ug/L		08/07/25 08:13	08/15/25 15:06	1
Chromium	<1.1		5.0	1.1	ug/L		08/07/25 08:13	08/15/25 15:06	1
Cobalt	**0.63**	**J**	1.0	0.40	ug/L		08/07/25 08:13	08/15/25 15:06	1
Copper	**1.2**	**J**	2.0	0.50	ug/L		08/07/25 08:13	08/15/25 15:06	1
Iron	**340**		100	47	ug/L		08/07/25 08:13	08/15/25 15:06	1
Lead	<0.19		0.50	0.19	ug/L		08/07/25 08:13	08/15/25 15:06	1
Lithium	**76**		10	2.5	ug/L		08/07/25 08:13	08/15/25 15:06	1
Magnesium	**10000**		200	49	ug/L		08/07/25 08:13	08/15/25 15:06	1
Manganese	**1600**		2.5	0.79	ug/L		08/07/25 08:13	08/15/25 15:06	1
Molybdenum	**3.6**	**J**	5.0	2.5	ug/L		08/07/25 08:13	08/15/25 15:06	1
Nickel	**1.4**	**J**	2.0	0.63	ug/L		08/07/25 08:13	08/15/25 15:06	1
Potassium	**520**		500	110	ug/L		08/07/25 08:13	08/15/25 15:06	1
Selenium	<0.98		2.5	0.98	ug/L		08/07/25 08:13	08/15/25 15:06	1
Silver	<0.12		0.50	0.12	ug/L		08/07/25 08:13	08/15/25 15:06	1
Sodium	**150000**		200	77	ug/L		08/07/25 08:13	08/15/25 15:06	1
Strontium	**3300**		4.0	0.64	ug/L		08/07/25 08:13	08/15/25 15:06	1
Thallium	<0.57		2.0	0.57	ug/L		08/07/25 08:13	08/15/25 15:06	1
Tin	<1.3		5.0	1.3	ug/L		08/07/25 08:13	08/15/25 15:06	1
Vanadium	<2.2		5.0	2.2	ug/L		08/07/25 08:13	08/15/25 15:06	1
Zinc	<6.9		20	6.9	ug/L		08/07/25 08:13	08/15/25 15:06	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-272629-1

Client Sample ID: MW-5A_20250804

Date Collected: 08/04/25 12:20
Date Received: 08/06/25 09:05

Lab Sample ID: 500-272629-7

Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<25		100	25	ug/L		08/07/25 08:13	08/15/25 15:49	1
Antimony	<1.3		3.0	1.3	ug/L		08/07/25 08:13	08/15/25 15:49	1
Arsenic	**0.43**	**J**	1.0	0.23	ug/L		08/07/25 08:13	08/15/25 15:49	1
Barium	**690**		2.5	0.73	ug/L		08/07/25 08:13	08/15/25 15:49	1
Beryllium	<0.53	^1+	1.0	0.53	ug/L		08/07/25 08:13	08/15/25 15:49	1
Boron	**220**	**B**	50	13	ug/L		08/07/25 08:13	08/15/25 15:49	1
Cadmium	<0.17		0.50	0.17	ug/L		08/07/25 08:13	08/15/25 15:49	1
Calcium	**160000**		200	44	ug/L		08/07/25 08:13	08/15/25 15:49	1
Chromium	<1.1		5.0	1.1	ug/L		08/07/25 08:13	08/15/25 15:49	1
Cobalt	**0.66**	**J**	1.0	0.40	ug/L		08/07/25 08:13	08/15/25 15:49	1
Copper	<0.50		2.0	0.50	ug/L		08/07/25 08:13	08/15/25 15:49	1
Iron	**400**		100	47	ug/L		08/07/25 08:13	08/15/25 15:49	1
Lead	<0.19		0.50	0.19	ug/L		08/07/25 08:13	08/15/25 15:49	1
Lithium	**72**		10	2.5	ug/L		08/07/25 08:13	08/15/25 15:49	1
Magnesium	**9800**		200	49	ug/L		08/07/25 08:13	08/15/25 15:49	1
Manganese	**1700**		2.5	0.79	ug/L		08/07/25 08:13	08/15/25 15:49	1
Molybdenum	**3.9**	**J**	5.0	2.5	ug/L		08/07/25 08:13	08/15/25 15:49	1
Nickel	**1.5**	**J**	2.0	0.63	ug/L		08/07/25 08:13	08/15/25 15:49	1
Potassium	**490**	**J**	500	110	ug/L		08/07/25 08:13	08/15/25 15:49	1
Selenium	<0.98		2.5	0.98	ug/L		08/07/25 08:13	08/15/25 15:49	1
Silver	<0.12		0.50	0.12	ug/L		08/07/25 08:13	08/15/25 15:49	1
Sodium	**150000**		200	77	ug/L		08/07/25 08:13	08/15/25 15:49	1
Strontium	**3200**		4.0	0.64	ug/L		08/07/25 08:13	08/15/25 15:49	1
Thallium	<0.57		2.0	0.57	ug/L		08/07/25 08:13	08/15/25 15:49	1
Tin	<1.3		5.0	1.3	ug/L		08/07/25 08:13	08/15/25 15:49	1
Vanadium	<2.2		5.0	2.2	ug/L		08/07/25 08:13	08/15/25 15:49	1
Zinc	<6.9		20	6.9	ug/L		08/07/25 08:13	08/15/25 15:49	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**460**		0.91	0.46	mg/L		08/07/25 08:13	08/18/25 10:14	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	**3.2**		1.0	0.45	mg/L			08/07/25 00:21	1
Nitrate as N (EPA 300.0)	<0.37		1.0	0.37	mg/L			08/06/25 10:18	1
Chloride (EPA 300.0)	**300**		10	4.2	mg/L			08/16/25 22:39	10
Nitrite as N (EPA 300.0)	<0.25		1.0	0.25	mg/L			08/06/25 10:18	1
Fluoride (EPA 300.0)	<0.43		1.0	0.43	mg/L			08/07/25 00:21	1
Nitrate Nitrite as N (EPA 300.0)	<0.37		1.0	0.37	mg/L			08/06/25 10:18	1
Sulfate (EPA 300.0)	**2.4**		1.0	0.47	mg/L			08/07/25 00:21	1
Cyanide, Total (EPA 335.4)	<0.0036		0.0050	0.0036	mg/L		08/11/25 14:11	08/11/25 17:18	1
Ammonia (EPA 350.1)	<0.10		0.20	0.10	mg/L		08/18/25 14:55	08/19/25 17:08	1
Phosphorus as P (EPA 365.1)	**0.030**	**J**	0.050	0.024	mg/L		08/07/25 09:08	08/08/25 10:25	1
Alkalinity (SM 2320B)	**350**		5.0	3.7	mg/L			08/10/25 12:20	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**350**		5.0	3.7	mg/L			08/10/25 12:20	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<3.7		5.0	3.7	mg/L			08/10/25 12:20	1
Salinity (SM 2520B)	**0.70**		0.33	0.33	psu			08/11/25 16:26	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-272629-1

Client Sample ID: MW-5A_20250804
Date Collected: 08/04/25 12:20
Date Received: 08/06/25 09:05

Lab Sample ID: 500-272629-7
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**850**		10	4.3	mg/L			08/07/25 08:39	1
Total Suspended Solids (SM 2540D)	<1.9		5.0	1.9	mg/L			08/07/25 07:43	1
Sulfide (SM 4500 S2 F)	<0.23		1.0	0.23	mg/L			08/07/25 13:36	1
Total Organic Carbon (SM 5310C)	**3.6**		1.0	0.44	mg/L			08/14/25 02:35	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Method
Dissolved Organic Carbon (SM 5310C)	**3.8**		1.0	0.44	mg/L		08/14/25 02:59	1	SM 5310C

Client Sample Results

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-272629-1

Client Sample ID: MW-5A_20250804_FBLL
Date Collected: 08/04/25 12:20
Date Received: 08/06/25 09:05

Lab Sample ID: 500-272629-8
Matrix: Water

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.23	J	0.50	0.20	ng/L			08/11/25 18:08	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-272629-1

Client Sample ID: SBD-01_20250804

Date Collected: 08/04/25 13:00
Date Received: 08/06/25 09:05

Lab Sample ID: 500-272629-9

Matrix: Water

Method: EPA 1630 - Methyl Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	**0.024**	**J B**	0.050	0.022	ng/L		08/12/25 11:33	08/12/25 20:44	1

Method: EPA 1630 - Methyl Mercury - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		08/12/25 11:33	08/12/25 20:34	1

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.57**		0.50	0.20	ng/L			08/11/25 18:12	1

Method: EPA 1631E - Mercury, Low Level (CVAFS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.53**		0.50	0.20	ng/L			08/11/25 18:17	1

Method: EPA 1638 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.037**	**J**	0.050	0.0098	ug/L		08/15/25 13:12	08/18/25 16:10	1

Method: EPA 1638 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.020**	**J**	0.050	0.0098	ug/L		08/15/25 13:12	08/18/25 14:03	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**360**		100	25	ug/L		08/07/25 08:13	08/15/25 15:13	1
Antimony	<1.3		3.0	1.3	ug/L		08/07/25 08:13	08/15/25 15:13	1
Arsenic	**0.53**	**J**	1.0	0.23	ug/L		08/07/25 08:13	08/15/25 15:13	1
Barium	**24**		2.5	0.73	ug/L		08/07/25 08:13	08/15/25 15:13	1
Beryllium	<0.53	^1+	1.0	0.53	ug/L		08/07/25 08:13	08/15/25 15:13	1
Boron	**53**	**B**	50	13	ug/L		08/07/25 08:13	08/15/25 15:13	1
Cadmium	<0.17		0.50	0.17	ug/L		08/07/25 08:13	08/15/25 15:13	1
Calcium	**23000**		200	44	ug/L		08/07/25 08:13	08/15/25 15:13	1
Chromium	<1.1		5.0	1.1	ug/L		08/07/25 08:13	08/15/25 15:13	1
Cobalt	<0.40		1.0	0.40	ug/L		08/07/25 08:13	08/15/25 15:13	1
Copper	**1.6**	**J**	2.0	0.50	ug/L		08/07/25 08:13	08/15/25 15:13	1
Iron	**1300**		100	47	ug/L		08/07/25 08:13	08/15/25 15:13	1
Lead	<0.19		0.50	0.19	ug/L		08/07/25 08:13	08/15/25 15:13	1
Lithium	**4.5**	**J**	10	2.5	ug/L		08/07/25 08:13	08/15/25 15:13	1
Magnesium	**4200**		200	49	ug/L		08/07/25 08:13	08/15/25 15:13	1
Manganese	**130**		2.5	0.79	ug/L		08/07/25 08:13	08/15/25 15:13	1
Molybdenum	<2.5		5.0	2.5	ug/L		08/07/25 08:13	08/15/25 15:13	1
Nickel	<0.63		2.0	0.63	ug/L		08/07/25 08:13	08/15/25 15:13	1
Potassium	**610**		500	110	ug/L		08/07/25 08:13	08/15/25 15:13	1
Selenium	<0.98		2.5	0.98	ug/L		08/07/25 08:13	08/15/25 15:13	1
Silver	<0.12		0.50	0.12	ug/L		08/07/25 08:13	08/15/25 15:13	1
Sodium	**2400**		200	77	ug/L		08/07/25 08:13	08/15/25 15:13	1
Strontium	**110**		4.0	0.64	ug/L		08/07/25 08:13	08/15/25 15:13	1
Thallium	<0.57		2.0	0.57	ug/L		08/07/25 08:13	08/15/25 15:13	1
Tin	<1.3		5.0	1.3	ug/L		08/07/25 08:13	08/15/25 15:13	1
Vanadium	<2.2		5.0	2.2	ug/L		08/07/25 08:13	08/15/25 15:13	1
Zinc	<6.9		20	6.9	ug/L		08/07/25 08:13	08/15/25 15:13	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-272629-1

Client Sample ID: SBD-01_20250804

Date Collected: 08/04/25 13:00
Date Received: 08/06/25 09:05

Lab Sample ID: 500-272629-9

Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<25		100	25	ug/L		08/07/25 08:13	08/15/25 15:51	1
Antimony	<1.3		3.0	1.3	ug/L		08/07/25 08:13	08/15/25 15:51	1
Arsenic	**0.45**	**J**	1.0	0.23	ug/L		08/07/25 08:13	08/15/25 15:51	1
Barium	**18**		2.5	0.73	ug/L		08/07/25 08:13	08/15/25 15:51	1
Beryllium	<0.53	^1+	1.0	0.53	ug/L		08/07/25 08:13	08/15/25 15:51	1
Boron	**44**	**J B**	50	13	ug/L		08/07/25 08:13	08/15/25 15:51	1
Cadmium	<0.17		0.50	0.17	ug/L		08/07/25 08:13	08/15/25 15:51	1
Calcium	**23000**		200	44	ug/L		08/07/25 08:13	08/15/25 15:51	1
Chromium	<1.1		5.0	1.1	ug/L		08/07/25 08:13	08/15/25 15:51	1
Cobalt	<0.40		1.0	0.40	ug/L		08/07/25 08:13	08/15/25 15:51	1
Copper	**0.53**	**J**	2.0	0.50	ug/L		08/07/25 08:13	08/15/25 15:51	1
Iron	**170**		100	47	ug/L		08/07/25 08:13	08/15/25 15:51	1
Lead	<0.19		0.50	0.19	ug/L		08/07/25 08:13	08/15/25 15:51	1
Lithium	**4.0**	**J**	10	2.5	ug/L		08/07/25 08:13	08/15/25 15:51	1
Magnesium	**4100**		200	49	ug/L		08/07/25 08:13	08/15/25 15:51	1
Manganese	**12**		2.5	0.79	ug/L		08/07/25 08:13	08/15/25 15:51	1
Molybdenum	<2.5		5.0	2.5	ug/L		08/07/25 08:13	08/15/25 15:51	1
Nickel	<0.63		2.0	0.63	ug/L		08/07/25 08:13	08/15/25 15:51	1
Potassium	**370**	**J**	500	110	ug/L		08/07/25 08:13	08/15/25 15:51	1
Selenium	<0.98		2.5	0.98	ug/L		08/07/25 08:13	08/15/25 15:51	1
Silver	<0.12		0.50	0.12	ug/L		08/07/25 08:13	08/15/25 15:51	1
Sodium	**2400**		200	77	ug/L		08/07/25 08:13	08/15/25 15:51	1
Strontium	**110**		4.0	0.64	ug/L		08/07/25 08:13	08/15/25 15:51	1
Thallium	<0.57		2.0	0.57	ug/L		08/07/25 08:13	08/15/25 15:51	1
Tin	<1.3		5.0	1.3	ug/L		08/07/25 08:13	08/15/25 15:51	1
Vanadium	<2.2		5.0	2.2	ug/L		08/07/25 08:13	08/15/25 15:51	1
Zinc	<6.9		20	6.9	ug/L		08/07/25 08:13	08/15/25 15:51	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**76**		0.91	0.46	mg/L		08/07/25 08:13	08/18/25 10:14	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	<0.45		1.0	0.45	mg/L			08/07/25 00:36	1
Nitrate as N (EPA 300.0)	<0.37		1.0	0.37	mg/L			08/06/25 10:33	1
Chloride (EPA 300.0)	**2.7**		1.0	0.42	mg/L			08/07/25 00:36	1
Nitrite as N (EPA 300.0)	<0.25		1.0	0.25	mg/L			08/06/25 10:33	1
Fluoride (EPA 300.0)	<0.43		1.0	0.43	mg/L			08/07/25 00:36	1
Nitrate Nitrite as N (EPA 300.0)	<0.37		1.0	0.37	mg/L			08/06/25 10:33	1
Sulfate (EPA 300.0)	<0.47		1.0	0.47	mg/L			08/07/25 00:36	1
Cyanide, Total (EPA 335.4)	<0.0036		0.0050	0.0036	mg/L		08/11/25 14:11	08/11/25 17:19	1
Ammonia (EPA 350.1)	<0.10		0.20	0.10	mg/L		08/18/25 14:55	08/19/25 17:09	1
Phosphorus as P (EPA 365.1)	**0.049**	**J**	0.050	0.024	mg/L		08/07/25 09:08	08/08/25 10:26	1
Alkalinity (SM 2320B)	**84**		5.0	3.7	mg/L			08/10/25 12:39	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**84**		5.0	3.7	mg/L			08/10/25 12:39	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<3.7		5.0	3.7	mg/L			08/10/25 12:39	1
Salinity (SM 2520B)	<0.33		0.33	0.33	psu			08/11/25 16:26	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-272629-1

Client Sample ID: SBD-01_20250804
Date Collected: 08/04/25 13:00
Date Received: 08/06/25 09:05

Lab Sample ID: 500-272629-9
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	100		10	4.3	mg/L			08/07/25 08:42	1
Total Suspended Solids (SM 2540D)	21		5.0	1.9	mg/L			08/07/25 07:46	1
Sulfide (SM 4500 S2 F)	1.2		1.0	0.23	mg/L			08/07/25 13:42	1
Total Organic Carbon (SM 5310C)	10		1.0	0.44	mg/L			08/14/25 03:23	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Method
Dissolved Organic Carbon (SM 5310C)	9.7		1.0	0.44	mg/L		08/14/25 05:23	1	SM 5310C

Client Sample Results

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-272629-1

Client Sample ID: SBD-01_20250804_FBLL
Date Collected: 08/04/25 13:00
Date Received: 08/06/25 09:05

Lab Sample ID: 500-272629-10
Matrix: Water

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			08/11/25 18:21	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-272629-1

Client Sample ID: SBW-01_20250804

Date Collected: 08/04/25 14:30
Date Received: 08/06/25 09:05

Lab Sample ID: 500-272629-11

Matrix: Water

Method: EPA 1630 - Methyl Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		08/12/25 11:33	08/12/25 20:55	1

Method: EPA 1630 - Methyl Mercury - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		08/12/25 11:33	08/12/25 21:05	1

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.47**	**J**	0.50	0.20	ng/L			08/11/25 18:33	1

Method: EPA 1631E - Mercury, Low Level (CVAFS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.49**	**J**	0.50	0.20	ng/L			08/11/25 18:37	1

Method: EPA 1638 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.078**		0.050	0.0098	ug/L		08/15/25 13:12	08/18/25 16:14	1

Method: EPA 1638 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.010**	**J**	0.050	0.0098	ug/L		08/15/25 13:12	08/18/25 14:07	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**200**		100	25	ug/L		08/07/25 08:13	08/15/25 15:15	1
Antimony	<1.3		3.0	1.3	ug/L		08/07/25 08:13	08/15/25 15:15	1
Arsenic	**0.68**	**J**	1.0	0.23	ug/L		08/07/25 08:13	08/15/25 15:15	1
Barium	**27**		2.5	0.73	ug/L		08/07/25 08:13	08/15/25 15:15	1
Beryllium	<0.53	^1+	1.0	0.53	ug/L		08/07/25 08:13	08/15/25 15:15	1
Boron	**45**	**J B**	50	13	ug/L		08/07/25 08:13	08/15/25 15:15	1
Cadmium	<0.17		0.50	0.17	ug/L		08/07/25 08:13	08/15/25 15:15	1
Calcium	**18000**		200	44	ug/L		08/07/25 08:13	08/15/25 15:15	1
Chromium	<1.1		5.0	1.1	ug/L		08/07/25 08:13	08/15/25 15:15	1
Cobalt	<0.40		1.0	0.40	ug/L		08/07/25 08:13	08/15/25 15:15	1
Copper	**14**		2.0	0.50	ug/L		08/07/25 08:13	08/15/25 15:15	1
Iron	**770**		100	47	ug/L		08/07/25 08:13	08/15/25 15:15	1
Lead	**0.21**	**J**	0.50	0.19	ug/L		08/07/25 08:13	08/15/25 15:15	1
Lithium	<2.5		10	2.5	ug/L		08/07/25 08:13	08/15/25 15:15	1
Magnesium	**6300**		200	49	ug/L		08/07/25 08:13	08/15/25 15:15	1
Manganese	**51**		2.5	0.79	ug/L		08/07/25 08:13	08/15/25 15:15	1
Molybdenum	<2.5		5.0	2.5	ug/L		08/07/25 08:13	08/15/25 15:15	1
Nickel	<0.63		2.0	0.63	ug/L		08/07/25 08:13	08/15/25 15:15	1
Potassium	**470**	**J**	500	110	ug/L		08/07/25 08:13	08/15/25 15:15	1
Selenium	<0.98		2.5	0.98	ug/L		08/07/25 08:13	08/15/25 15:15	1
Silver	<0.12		0.50	0.12	ug/L		08/07/25 08:13	08/15/25 15:15	1
Sodium	**2800**		200	77	ug/L		08/07/25 08:13	08/15/25 15:15	1
Strontium	**58**		4.0	0.64	ug/L		08/07/25 08:13	08/15/25 15:15	1
Thallium	<0.57		2.0	0.57	ug/L		08/07/25 08:13	08/15/25 15:15	1
Tin	<1.3		5.0	1.3	ug/L		08/07/25 08:13	08/15/25 15:15	1
Vanadium	<2.2		5.0	2.2	ug/L		08/07/25 08:13	08/15/25 15:15	1
Zinc	<6.9		20	6.9	ug/L		08/07/25 08:13	08/15/25 15:15	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-272629-1

Client Sample ID: SBW-01_20250804

Date Collected: 08/04/25 14:30
Date Received: 08/06/25 09:05

Lab Sample ID: 500-272629-11

Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<25		100	25	ug/L		08/07/25 08:13	08/15/25 15:53	1
Antimony	<1.3		3.0	1.3	ug/L		08/07/25 08:13	08/15/25 15:53	1
Arsenic	**0.55**	**J**	1.0	0.23	ug/L		08/07/25 08:13	08/15/25 15:53	1
Barium	**24**		2.5	0.73	ug/L		08/07/25 08:13	08/15/25 15:53	1
Beryllium	<0.53	^1+	1.0	0.53	ug/L		08/07/25 08:13	08/15/25 15:53	1
Boron	**38**	**J B**	50	13	ug/L		08/07/25 08:13	08/15/25 15:53	1
Cadmium	<0.17		0.50	0.17	ug/L		08/07/25 08:13	08/15/25 15:53	1
Calcium	**18000**		200	44	ug/L		08/07/25 08:13	08/15/25 15:53	1
Chromium	<1.1		5.0	1.1	ug/L		08/07/25 08:13	08/15/25 15:53	1
Cobalt	<0.40		1.0	0.40	ug/L		08/07/25 08:13	08/15/25 15:53	1
Copper	**3.7**		2.0	0.50	ug/L		08/07/25 08:13	08/15/25 15:53	1
Iron	<47		100	47	ug/L		08/07/25 08:13	08/15/25 15:53	1
Lead	<0.19		0.50	0.19	ug/L		08/07/25 08:13	08/15/25 15:53	1
Lithium	**2.5**	**J**	10	2.5	ug/L		08/07/25 08:13	08/15/25 15:53	1
Magnesium	**6200**		200	49	ug/L		08/07/25 08:13	08/15/25 15:53	1
Manganese	**13**		2.5	0.79	ug/L		08/07/25 08:13	08/15/25 15:53	1
Molybdenum	<2.5		5.0	2.5	ug/L		08/07/25 08:13	08/15/25 15:53	1
Nickel	<0.63		2.0	0.63	ug/L		08/07/25 08:13	08/15/25 15:53	1
Potassium	**1000**		500	110	ug/L		08/07/25 08:13	08/15/25 15:53	1
Selenium	<0.98		2.5	0.98	ug/L		08/07/25 08:13	08/15/25 15:53	1
Silver	<0.12		0.50	0.12	ug/L		08/07/25 08:13	08/15/25 15:53	1
Sodium	**3000**		200	77	ug/L		08/07/25 08:13	08/15/25 15:53	1
Strontium	**58**		4.0	0.64	ug/L		08/07/25 08:13	08/15/25 15:53	1
Thallium	<0.57		2.0	0.57	ug/L		08/07/25 08:13	08/15/25 15:53	1
Tin	<1.3		5.0	1.3	ug/L		08/07/25 08:13	08/15/25 15:53	1
Vanadium	<2.2		5.0	2.2	ug/L		08/07/25 08:13	08/15/25 15:53	1
Zinc	<6.9		20	6.9	ug/L		08/07/25 08:13	08/15/25 15:53	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**72**		0.91	0.46	mg/L		08/07/25 08:13	08/18/25 10:14	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	<0.45		1.0	0.45	mg/L			08/07/25 00:52	1
Nitrate as N (EPA 300.0)	<0.37		1.0	0.37	mg/L			08/06/25 10:49	1
Chloride (EPA 300.0)	<0.42		1.0	0.42	mg/L			08/07/25 00:52	1
Nitrite as N (EPA 300.0)	<0.25		1.0	0.25	mg/L			08/06/25 10:49	1
Fluoride (EPA 300.0)	<0.43		1.0	0.43	mg/L			08/07/25 00:52	1
Nitrate Nitrite as N (EPA 300.0)	<0.37		1.0	0.37	mg/L			08/06/25 10:49	1
Sulfate (EPA 300.0)	<0.47		1.0	0.47	mg/L			08/07/25 00:52	1
Cyanide, Total (EPA 335.4)	<0.0036		0.0050	0.0036	mg/L		08/11/25 14:11	08/11/25 17:20	1
Ammonia (EPA 350.1)	<0.10		0.20	0.10	mg/L		08/18/25 14:55	08/19/25 17:09	1
Phosphorus as P (EPA 365.1)	**0.14**		0.050	0.024	mg/L		08/07/25 09:08	08/08/25 10:27	1
Alkalinity (SM 2320B)	**84**		5.0	3.7	mg/L			08/10/25 12:48	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**84**		5.0	3.7	mg/L			08/10/25 12:48	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<3.7		5.0	3.7	mg/L			08/10/25 12:48	1
Salinity (SM 2520B)	<0.33		0.33	0.33	psu			08/11/25 16:26	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-272629-1

Client Sample ID: SBW-01_20250804
Date Collected: 08/04/25 14:30
Date Received: 08/06/25 09:05

Lab Sample ID: 500-272629-11
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	42		10	4.3	mg/L			08/07/25 08:44	1
Total Suspended Solids (SM 2540D)	46		5.0	1.9	mg/L			08/07/25 07:48	1
Sulfide (SM 4500 S2 F)	1.4		1.0	0.23	mg/L			08/07/25 13:47	1
Total Organic Carbon (SM 5310C)	7.7		1.0	0.44	mg/L			08/14/25 06:40	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Method
Dissolved Organic Carbon (SM 5310C)	7.6		1.0	0.44	mg/L		08/14/25 07:05	1	SM 5310C

Client Sample Results

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-272629-1

Client Sample ID: SBW-01_20250804_FBLL
Date Collected: 08/04/25 14:30
Date Received: 08/06/25 09:05

Lab Sample ID: 500-272629-12
Matrix: Water

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.90		0.50	0.20	ng/L			08/11/25 18:41	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-272629-1

Client Sample ID: PNC-02_20250804

Date Collected: 08/04/25 15:15
Date Received: 08/06/25 09:05

Lab Sample ID: 500-272629-13

Matrix: Water

Method: EPA 1630 - Methyl Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		08/12/25 11:33	08/12/25 21:25	1

Method: EPA 1630 - Methyl Mercury - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		08/12/25 11:33	08/12/25 21:15	1

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.88**		0.50	0.20	ng/L			08/11/25 19:10	1

Method: EPA 1631E - Mercury, Low Level (CVAFS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.75**		0.50	0.20	ng/L			08/11/25 19:23	1

Method: EPA 1638 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.27**		0.050	0.0098	ug/L		08/15/25 13:12	08/18/25 16:17	1

Method: EPA 1638 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.26**		0.050	0.0098	ug/L		08/15/25 13:12	08/18/25 14:10	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**170**		100	25	ug/L		08/07/25 08:13	08/15/25 15:17	1
Antimony	<1.3		3.0	1.3	ug/L		08/07/25 08:13	08/15/25 15:17	1
Arsenic	**0.66**	**J**	1.0	0.23	ug/L		08/07/25 08:13	08/15/25 15:17	1
Barium	**71**		2.5	0.73	ug/L		08/07/25 08:13	08/15/25 15:17	1
Beryllium	<0.53	^1+	1.0	0.53	ug/L		08/07/25 08:13	08/15/25 15:17	1
Boron	**37**	**J B**	50	13	ug/L		08/07/25 08:13	08/15/25 15:17	1
Cadmium	<0.17		0.50	0.17	ug/L		08/07/25 08:13	08/15/25 15:17	1
Calcium	**41000**		200	44	ug/L		08/07/25 08:13	08/15/25 15:17	1
Chromium	<1.1		5.0	1.1	ug/L		08/07/25 08:13	08/15/25 15:17	1
Cobalt	<0.40		1.0	0.40	ug/L		08/07/25 08:13	08/15/25 15:17	1
Copper	**5.6**		2.0	0.50	ug/L		08/07/25 08:13	08/15/25 15:17	1
Iron	**860**		100	47	ug/L		08/07/25 08:13	08/15/25 15:17	1
Lead	<0.19		0.50	0.19	ug/L		08/07/25 08:13	08/15/25 15:17	1
Lithium	**2.9**	**J**	10	2.5	ug/L		08/07/25 08:13	08/15/25 15:17	1
Magnesium	**9100**		200	49	ug/L		08/07/25 08:13	08/15/25 15:17	1
Manganese	**170**		2.5	0.79	ug/L		08/07/25 08:13	08/15/25 15:17	1
Molybdenum	<2.5		5.0	2.5	ug/L		08/07/25 08:13	08/15/25 15:17	1
Nickel	<0.63		2.0	0.63	ug/L		08/07/25 08:13	08/15/25 15:17	1
Potassium	**640**		500	110	ug/L		08/07/25 08:13	08/15/25 15:17	1
Selenium	<0.98		2.5	0.98	ug/L		08/07/25 08:13	08/15/25 15:17	1
Silver	<0.12		0.50	0.12	ug/L		08/07/25 08:13	08/15/25 15:17	1
Sodium	**5200**		200	77	ug/L		08/07/25 08:13	08/15/25 15:17	1
Strontium	**230**		4.0	0.64	ug/L		08/07/25 08:13	08/15/25 15:17	1
Thallium	<0.57		2.0	0.57	ug/L		08/07/25 08:13	08/15/25 15:17	1
Tin	<1.3		5.0	1.3	ug/L		08/07/25 08:13	08/15/25 15:17	1
Vanadium	<2.2		5.0	2.2	ug/L		08/07/25 08:13	08/15/25 15:17	1
Zinc	<6.9		20	6.9	ug/L		08/07/25 08:13	08/15/25 15:17	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-272629-1

Client Sample ID: PNC-02_20250804

Date Collected: 08/04/25 15:15
Date Received: 08/06/25 09:05

Lab Sample ID: 500-272629-13

Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<25		100	25	ug/L		08/07/25 08:13	08/15/25 15:56	1
Antimony	<1.3		3.0	1.3	ug/L		08/07/25 08:13	08/15/25 15:56	1
Arsenic	**0.61**	**J**	1.0	0.23	ug/L		08/07/25 08:13	08/15/25 15:56	1
Barium	**63**		2.5	0.73	ug/L		08/07/25 08:13	08/15/25 15:56	1
Beryllium	<0.53	^1+	1.0	0.53	ug/L		08/07/25 08:13	08/15/25 15:56	1
Boron	**26**	**J B**	50	13	ug/L		08/07/25 08:13	08/15/25 15:56	1
Cadmium	<0.17		0.50	0.17	ug/L		08/07/25 08:13	08/15/25 15:56	1
Calcium	**41000**		200	44	ug/L		08/07/25 08:13	08/15/25 15:56	1
Chromium	<1.1		5.0	1.1	ug/L		08/07/25 08:13	08/15/25 15:56	1
Cobalt	<0.40		1.0	0.40	ug/L		08/07/25 08:13	08/15/25 15:56	1
Copper	**4.8**		2.0	0.50	ug/L		08/07/25 08:13	08/15/25 15:56	1
Iron	**170**		100	47	ug/L		08/07/25 08:13	08/15/25 15:56	1
Lead	<0.19		0.50	0.19	ug/L		08/07/25 08:13	08/15/25 15:56	1
Lithium	**2.9**	**J**	10	2.5	ug/L		08/07/25 08:13	08/15/25 15:56	1
Magnesium	**9100**		200	49	ug/L		08/07/25 08:13	08/15/25 15:56	1
Manganese	**100**		2.5	0.79	ug/L		08/07/25 08:13	08/15/25 15:56	1
Molybdenum	<2.5		5.0	2.5	ug/L		08/07/25 08:13	08/15/25 15:56	1
Nickel	<0.63		2.0	0.63	ug/L		08/07/25 08:13	08/15/25 15:56	1
Potassium	**630**		500	110	ug/L		08/07/25 08:13	08/15/25 15:56	1
Selenium	<0.98		2.5	0.98	ug/L		08/07/25 08:13	08/15/25 15:56	1
Silver	<0.12		0.50	0.12	ug/L		08/07/25 08:13	08/15/25 15:56	1
Sodium	**5200**		200	77	ug/L		08/07/25 08:13	08/15/25 15:56	1
Strontium	**220**		4.0	0.64	ug/L		08/07/25 08:13	08/15/25 15:56	1
Thallium	<0.57		2.0	0.57	ug/L		08/07/25 08:13	08/15/25 15:56	1
Tin	<1.3		5.0	1.3	ug/L		08/07/25 08:13	08/15/25 15:56	1
Vanadium	<2.2		5.0	2.2	ug/L		08/07/25 08:13	08/15/25 15:56	1
Zinc	<6.9		20	6.9	ug/L		08/07/25 08:13	08/15/25 15:56	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**140**		0.91	0.46	mg/L		08/07/25 08:13	08/18/25 10:14	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	<0.45		1.0	0.45	mg/L			08/07/25 01:07	1
Nitrate as N (EPA 300.0)	<0.37		1.0	0.37	mg/L			08/06/25 11:04	1
Chloride (EPA 300.0)	**14**		1.0	0.42	mg/L			08/07/25 01:07	1
Nitrite as N (EPA 300.0)	<0.25		1.0	0.25	mg/L			08/06/25 11:04	1
Fluoride (EPA 300.0)	<0.43		1.0	0.43	mg/L			08/07/25 01:07	1
Nitrate Nitrite as N (EPA 300.0)	<0.37		1.0	0.37	mg/L			08/06/25 11:04	1
Sulfate (EPA 300.0)	<0.47		1.0	0.47	mg/L			08/07/25 01:07	1
Cyanide, Total (EPA 335.4)	<0.0036		0.0050	0.0036	mg/L		08/11/25 14:11	08/11/25 17:20	1
Ammonia (EPA 350.1)	<0.10		0.20	0.10	mg/L		08/18/25 14:55	08/19/25 17:10	1
Phosphorus as P (EPA 365.1)	**0.044**	**J**	0.050	0.024	mg/L		08/07/25 09:08	08/08/25 10:27	1
Alkalinity (SM 2320B)	**130**		5.0	3.7	mg/L			08/10/25 12:56	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**130**		5.0	3.7	mg/L			08/10/25 12:56	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<3.7		5.0	3.7	mg/L			08/10/25 12:56	1
Salinity (SM 2520B)	<0.33		0.33	0.33	psu			08/11/25 16:26	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-272629-1

Client Sample ID: PNC-02_20250804
Date Collected: 08/04/25 15:15
Date Received: 08/06/25 09:05

Lab Sample ID: 500-272629-13
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	130		10	4.3	mg/L			08/07/25 08:47	1
Total Suspended Solids (SM 2540D)	11		5.0	1.9	mg/L			08/07/25 06:58	1
Sulfide (SM 4500 S2 F)	2.8		1.0	0.23	mg/L			08/07/25 13:52	1
Total Organic Carbon (SM 5310C)	11		1.0	0.44	mg/L			08/14/25 07:29	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Method
Dissolved Organic Carbon (SM 5310C)	11		1.0	0.44	mg/L		08/14/25 07:53	1	SM 5310C

Client Sample Results

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-272629-1

Client Sample ID: PNC-02_20250804_FBLL
Date Collected: 08/04/25 15:15
Date Received: 08/06/25 09:05

Lab Sample ID: 500-272629-14
Matrix: Water

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.27	J	0.50	0.20	ng/L			08/11/25 19:27	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-272629-1

Client Sample ID: MLR-02_20250804

Date Collected: 08/04/25 16:30
Date Received: 08/06/25 09:05

Lab Sample ID: 500-272629-15

Matrix: Water

Method: EPA 1630 - Methyl Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		08/12/25 11:33	08/12/25 21:46	1

Method: EPA 1630 - Methyl Mercury - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		08/12/25 11:33	08/12/25 21:36	1

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**2.7**		0.50	0.20	ng/L			08/11/25 19:31	1

Method: EPA 1631E - Mercury, Low Level (CVAFS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**2.0**		0.50	0.20	ng/L			08/11/25 19:35	1

Method: EPA 1638 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.25**		0.050	0.0098	ug/L		08/15/25 13:12	08/18/25 16:21	1

Method: EPA 1638 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.22**		0.050	0.0098	ug/L		08/15/25 13:12	08/18/25 14:14	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**870**		100	25	ug/L		08/07/25 08:13	08/15/25 15:20	1
Antimony	<1.3		3.0	1.3	ug/L		08/07/25 08:13	08/15/25 15:20	1
Arsenic	**0.95**	**J**	1.0	0.23	ug/L		08/07/25 08:13	08/15/25 15:20	1
Barium	**37**		2.5	0.73	ug/L		08/07/25 08:13	08/15/25 15:20	1
Beryllium	<0.53	^1+	1.0	0.53	ug/L		08/07/25 08:13	08/15/25 15:20	1
Boron	**42**	**J B**	50	13	ug/L		08/07/25 08:13	08/15/25 15:20	1
Cadmium	<0.17		0.50	0.17	ug/L		08/07/25 08:13	08/15/25 15:20	1
Calcium	**24000**		200	44	ug/L		08/07/25 08:13	08/15/25 15:20	1
Chromium	**1.5**	**J**	5.0	1.1	ug/L		08/07/25 08:13	08/15/25 15:20	1
Cobalt	**0.52**	**J**	1.0	0.40	ug/L		08/07/25 08:13	08/15/25 15:20	1
Copper	**56**		2.0	0.50	ug/L		08/07/25 08:13	08/15/25 15:20	1
Iron	**1400**		100	47	ug/L		08/07/25 08:13	08/15/25 15:20	1
Lead	**0.44**	**J**	0.50	0.19	ug/L		08/07/25 08:13	08/15/25 15:20	1
Lithium	<2.5		10	2.5	ug/L		08/07/25 08:13	08/15/25 15:20	1
Magnesium	**5600**		200	49	ug/L		08/07/25 08:13	08/15/25 15:20	1
Manganese	**110**		2.5	0.79	ug/L		08/07/25 08:13	08/15/25 15:20	1
Molybdenum	<2.5		5.0	2.5	ug/L		08/07/25 08:13	08/15/25 15:20	1
Nickel	**1.3**	**J**	2.0	0.63	ug/L		08/07/25 08:13	08/15/25 15:20	1
Potassium	**1300**		500	110	ug/L		08/07/25 08:13	08/15/25 15:20	1
Selenium	<0.98		2.5	0.98	ug/L		08/07/25 08:13	08/15/25 15:20	1
Silver	<0.12		0.50	0.12	ug/L		08/07/25 08:13	08/15/25 15:20	1
Sodium	**9700**		200	77	ug/L		08/07/25 08:13	08/15/25 15:20	1
Strontium	**61**		4.0	0.64	ug/L		08/07/25 08:13	08/15/25 15:20	1
Thallium	<0.57		2.0	0.57	ug/L		08/07/25 08:13	08/15/25 15:20	1
Tin	<1.3		5.0	1.3	ug/L		08/07/25 08:13	08/15/25 15:20	1
Vanadium	**2.7**	**J**	5.0	2.2	ug/L		08/07/25 08:13	08/15/25 15:20	1
Zinc	<6.9		20	6.9	ug/L		08/07/25 08:13	08/15/25 15:20	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-272629-1

Client Sample ID: MLR-02_20250804

Date Collected: 08/04/25 16:30
Date Received: 08/06/25 09:05

Lab Sample ID: 500-272629-15

Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**44**	**J**	100	25	ug/L		08/07/25 08:13	08/15/25 15:58	1
Antimony	<1.3		3.0	1.3	ug/L		08/07/25 08:13	08/15/25 15:58	1
Arsenic	**0.79**	**J**	1.0	0.23	ug/L		08/07/25 08:13	08/15/25 15:58	1
Barium	**30**		2.5	0.73	ug/L		08/07/25 08:13	08/15/25 15:58	1
Beryllium	<0.53	^1+	1.0	0.53	ug/L		08/07/25 08:13	08/15/25 15:58	1
Boron	**35**	**J B**	50	13	ug/L		08/07/25 08:13	08/15/25 15:58	1
Cadmium	<0.17		0.50	0.17	ug/L		08/07/25 08:13	08/15/25 15:58	1
Calcium	**23000**		200	44	ug/L		08/07/25 08:13	08/15/25 15:58	1
Chromium	<1.1		5.0	1.1	ug/L		08/07/25 08:13	08/15/25 15:58	1
Cobalt	<0.40		1.0	0.40	ug/L		08/07/25 08:13	08/15/25 15:58	1
Copper	**38**		2.0	0.50	ug/L		08/07/25 08:13	08/15/25 15:58	1
Iron	**450**		100	47	ug/L		08/07/25 08:13	08/15/25 15:58	1
Lead	<0.19		0.50	0.19	ug/L		08/07/25 08:13	08/15/25 15:58	1
Lithium	<2.5		10	2.5	ug/L		08/07/25 08:13	08/15/25 15:58	1
Magnesium	**5200**		200	49	ug/L		08/07/25 08:13	08/15/25 15:58	1
Manganese	**46**		2.5	0.79	ug/L		08/07/25 08:13	08/15/25 15:58	1
Molybdenum	<2.5		5.0	2.5	ug/L		08/07/25 08:13	08/15/25 15:58	1
Nickel	<0.63		2.0	0.63	ug/L		08/07/25 08:13	08/15/25 15:58	1
Potassium	**1100**		500	110	ug/L		08/07/25 08:13	08/15/25 15:58	1
Selenium	<0.98		2.5	0.98	ug/L		08/07/25 08:13	08/15/25 15:58	1
Silver	<0.12		0.50	0.12	ug/L		08/07/25 08:13	08/15/25 15:58	1
Sodium	**9500**		200	77	ug/L		08/07/25 08:13	08/15/25 15:58	1
Strontium	**59**		4.0	0.64	ug/L		08/07/25 08:13	08/15/25 15:58	1
Thallium	<0.57		2.0	0.57	ug/L		08/07/25 08:13	08/15/25 15:58	1
Tin	<1.3		5.0	1.3	ug/L		08/07/25 08:13	08/15/25 15:58	1
Vanadium	<2.2		5.0	2.2	ug/L		08/07/25 08:13	08/15/25 15:58	1
Zinc	<6.9		20	6.9	ug/L		08/07/25 08:13	08/15/25 15:58	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**83**		0.91	0.46	mg/L		08/07/25 08:13	08/18/25 10:14	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	<0.45		1.0	0.45	mg/L			08/07/25 01:23	1
Nitrate as N (EPA 300.0)	<0.37		1.0	0.37	mg/L			08/06/25 11:20	1
Chloride (EPA 300.0)	**12**		1.0	0.42	mg/L			08/07/25 01:23	1
Nitrite as N (EPA 300.0)	<0.25		1.0	0.25	mg/L			08/06/25 11:20	1
Fluoride (EPA 300.0)	<0.43		1.0	0.43	mg/L			08/07/25 01:23	1
Nitrate Nitrite as N (EPA 300.0)	<0.37		1.0	0.37	mg/L			08/06/25 11:20	1
Sulfate (EPA 300.0)	**1.3**		1.0	0.47	mg/L			08/07/25 01:23	1
Cyanide, Total (EPA 335.4)	<0.0036		0.0050	0.0036	mg/L		08/11/25 14:11	08/11/25 17:23	1
Ammonia (EPA 350.1)	<0.10		0.20	0.10	mg/L		08/18/25 14:55	08/19/25 17:10	1
Phosphorus as P (EPA 365.1)	**0.056**		0.050	0.024	mg/L		08/07/25 09:08	08/08/25 10:27	1
Alkalinity (SM 2320B)	**80**		5.0	3.7	mg/L			08/10/25 13:07	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**80**		5.0	3.7	mg/L			08/10/25 13:07	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<3.7		5.0	3.7	mg/L			08/10/25 13:07	1
Salinity (SM 2520B)	<0.33		0.33	0.33	psu			08/11/25 16:26	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-272629-1

Client Sample ID: MLR-02_20250804
Date Collected: 08/04/25 16:30
Date Received: 08/06/25 09:05

Lab Sample ID: 500-272629-15
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	98		10	4.3	mg/L			08/07/25 08:49	1
Total Suspended Solids (SM 2540D)	130		6.3	2.4	mg/L			08/07/25 07:11	1
Sulfide (SM 4500 S2 F)	1.6		1.0	0.23	mg/L			08/07/25 13:57	1
Total Organic Carbon (SM 5310C)	13		1.0	0.44	mg/L			08/14/25 08:17	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Method
Dissolved Organic Carbon (SM 5310C)	14		1.0	0.44	mg/L		08/14/25 08:42	1	SM 5310C

Client Sample Results

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-272629-1

Client Sample ID: MLR-02_20250804_FBLL
Date Collected: 08/04/25 16:30
Date Received: 08/06/25 09:05

Lab Sample ID: 500-272629-16
Matrix: Water

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.28	J	0.50	0.20	ng/L			08/11/25 19:39	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-272629-1

Client Sample ID: MW-10_20250804

Date Collected: 08/04/25 14:15
Date Received: 08/06/25 09:05

Lab Sample ID: 500-272629-17
Matrix: Water

Method: EPA 1630 - Methyl Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	**0.045**	**J**	0.050	0.022	ng/L		08/14/25 12:07	08/14/25 20:07	1

Method: EPA 1630 - Methyl Mercury - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		08/14/25 12:07	08/14/25 20:17	1

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**1.9**		0.50	0.20	ng/L			08/11/25 19:44	1

Method: EPA 1631E - Mercury, Low Level (CVAFS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**1.2**		0.50	0.20	ng/L			08/11/25 19:48	1

Method: EPA 1638 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**8.0**		0.050	0.0098	ug/L		08/15/25 13:12	08/18/25 16:25	1

Method: EPA 1638 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**7.3**		0.050	0.0098	ug/L		08/15/25 13:12	08/18/25 14:18	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<25		100	25	ug/L		08/07/25 08:13	08/15/25 15:22	1
Antimony	<1.3		3.0	1.3	ug/L		08/07/25 08:13	08/15/25 15:22	1
Arsenic	**0.31**	**J**	1.0	0.23	ug/L		08/07/25 08:13	08/15/25 15:22	1
Barium	**2500**		2.5	0.73	ug/L		08/07/25 08:13	08/15/25 15:22	1
Beryllium	<0.53	^1+	1.0	0.53	ug/L		08/07/25 08:13	08/15/25 15:22	1
Boron	**170**	**B**	50	13	ug/L		08/07/25 08:13	08/15/25 15:22	1
Cadmium	<0.17		0.50	0.17	ug/L		08/07/25 08:13	08/15/25 15:22	1
Calcium	**290000**		1000	220	ug/L		08/07/25 08:13	08/18/25 15:08	5
Chromium	<1.1		5.0	1.1	ug/L		08/07/25 08:13	08/15/25 15:22	1
Cobalt	**0.90**	**J**	1.0	0.40	ug/L		08/07/25 08:13	08/15/25 15:22	1
Copper	**2.1**		2.0	0.50	ug/L		08/07/25 08:13	08/15/25 15:22	1
Iron	**960**		100	47	ug/L		08/07/25 08:13	08/15/25 15:22	1
Lead	<0.19		0.50	0.19	ug/L		08/07/25 08:13	08/15/25 15:22	1
Lithium	**51**		10	2.5	ug/L		08/07/25 08:13	08/15/25 15:22	1
Magnesium	**81000**		200	49	ug/L		08/07/25 08:13	08/15/25 15:22	1
Manganese	**5100**		13	4.0	ug/L		08/07/25 08:13	08/18/25 15:08	5
Molybdenum	<2.5		5.0	2.5	ug/L		08/07/25 08:13	08/15/25 15:22	1
Nickel	**1.3**	**J**	2.0	0.63	ug/L		08/07/25 08:13	08/15/25 15:22	1
Potassium	**2300**		500	110	ug/L		08/07/25 08:13	08/15/25 15:22	1
Selenium	<0.98		2.5	0.98	ug/L		08/07/25 08:13	08/15/25 15:22	1
Silver	<0.12		0.50	0.12	ug/L		08/07/25 08:13	08/15/25 15:22	1
Sodium	**45000**		200	77	ug/L		08/07/25 08:13	08/15/25 15:22	1
Strontium	**2900**		4.0	0.64	ug/L		08/07/25 08:13	08/15/25 15:22	1
Thallium	<0.57		2.0	0.57	ug/L		08/07/25 08:13	08/15/25 15:22	1
Tin	<1.3		5.0	1.3	ug/L		08/07/25 08:13	08/15/25 15:22	1
Vanadium	**2.4**	**J**	5.0	2.2	ug/L		08/07/25 08:13	08/15/25 15:22	1
Zinc	<6.9		20	6.9	ug/L		08/07/25 08:13	08/15/25 15:22	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-272629-1

Client Sample ID: MW-10_20250804

Date Collected: 08/04/25 14:15
Date Received: 08/06/25 09:05

Lab Sample ID: 500-272629-17

Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<25		100	25	ug/L		08/07/25 08:13	08/15/25 16:00	1
Antimony	<1.3		3.0	1.3	ug/L		08/07/25 08:13	08/15/25 16:00	1
Arsenic	**0.26**	**J**	1.0	0.23	ug/L		08/07/25 08:13	08/15/25 16:00	1
Barium	**2500**		2.5	0.73	ug/L		08/07/25 08:13	08/15/25 16:00	1
Beryllium	<0.53	^1+	1.0	0.53	ug/L		08/07/25 08:13	08/15/25 16:00	1
Boron	**170**	**B**	50	13	ug/L		08/07/25 08:13	08/15/25 16:00	1
Cadmium	<0.17		0.50	0.17	ug/L		08/07/25 08:13	08/15/25 16:00	1
Calcium	**310000**		1000	220	ug/L		08/07/25 08:13	08/18/25 15:40	5
Chromium	<1.1		5.0	1.1	ug/L		08/07/25 08:13	08/15/25 16:00	1
Cobalt	**0.94**	**J**	1.0	0.40	ug/L		08/07/25 08:13	08/15/25 16:00	1
Copper	**0.58**	**J**	2.0	0.50	ug/L		08/07/25 08:13	08/15/25 16:00	1
Iron	**900**		100	47	ug/L		08/07/25 08:13	08/15/25 16:00	1
Lead	<0.19		0.50	0.19	ug/L		08/07/25 08:13	08/15/25 16:00	1
Lithium	**51**		10	2.5	ug/L		08/07/25 08:13	08/15/25 16:00	1
Magnesium	**84000**		200	49	ug/L		08/07/25 08:13	08/15/25 16:00	1
Manganese	**5400**		13	4.0	ug/L		08/07/25 08:13	08/18/25 15:40	5
Molybdenum	<2.5		5.0	2.5	ug/L		08/07/25 08:13	08/15/25 16:00	1
Nickel	**1.1**	**J**	2.0	0.63	ug/L		08/07/25 08:13	08/15/25 16:00	1
Potassium	**2100**		500	110	ug/L		08/07/25 08:13	08/15/25 16:00	1
Selenium	<0.98		2.5	0.98	ug/L		08/07/25 08:13	08/15/25 16:00	1
Silver	<0.12		0.50	0.12	ug/L		08/07/25 08:13	08/15/25 16:00	1
Sodium	**49000**		200	77	ug/L		08/07/25 08:13	08/15/25 16:00	1
Strontium	**3000**		4.0	0.64	ug/L		08/07/25 08:13	08/15/25 16:00	1
Thallium	<0.57		2.0	0.57	ug/L		08/07/25 08:13	08/15/25 16:00	1
Tin	<1.3		5.0	1.3	ug/L		08/07/25 08:13	08/15/25 16:00	1
Vanadium	**2.3**	**J**	5.0	2.2	ug/L		08/07/25 08:13	08/15/25 16:00	1
Zinc	<6.9		20	6.9	ug/L		08/07/25 08:13	08/15/25 16:00	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**1100**		0.91	0.46	mg/L		08/07/25 08:13	08/18/25 10:14	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	**5.3**		1.0	0.45	mg/L			08/07/25 01:39	1
Nitrate as N (EPA 300.0)	<0.37		1.0	0.37	mg/L			08/06/25 11:36	1
Chloride (EPA 300.0)	**470**		10	4.2	mg/L			08/16/25 22:55	10
Nitrite as N (EPA 300.0)	<0.25		1.0	0.25	mg/L			08/06/25 11:36	1
Fluoride (EPA 300.0)	<0.43		1.0	0.43	mg/L			08/07/25 01:39	1
Nitrate Nitrite as N (EPA 300.0)	<0.37		1.0	0.37	mg/L			08/06/25 11:36	1
Sulfate (EPA 300.0)	**5.5**		1.0	0.47	mg/L			08/07/25 01:39	1
Cyanide, Total (EPA 335.4)	<0.0036		0.0050	0.0036	mg/L		08/11/25 14:11	08/11/25 17:24	1
Ammonia (EPA 350.1)	<0.10		0.20	0.10	mg/L		08/18/25 14:55	08/19/25 17:11	1
Phosphorus as P (EPA 365.1)	**0.024**	**J**	0.050	0.024	mg/L		08/07/25 09:08	08/08/25 10:28	1
Alkalinity (SM 2320B)	**520**		5.0	3.7	mg/L			08/10/25 13:16	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**520**		5.0	3.7	mg/L			08/10/25 13:16	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<3.7		5.0	3.7	mg/L			08/10/25 13:16	1
Salinity (SM 2520B)	**1.4**		0.33	0.33	psu			08/11/25 16:26	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-272629-1

Client Sample ID: MW-10_20250804
Date Collected: 08/04/25 14:15
Date Received: 08/06/25 09:05

Lab Sample ID: 500-272629-17
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	1700		10	4.3	mg/L			08/07/25 08:52	1
Total Suspended Solids (SM 2540D)	5.0		5.0	1.9	mg/L			08/07/25 07:13	1
Sulfide (SM 4500 S2 F)	<0.23		1.0	0.23	mg/L			08/07/25 14:02	1
Total Organic Carbon (SM 5310C)	7.7		1.0	0.44	mg/L			08/14/25 09:05	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Method
Dissolved Organic Carbon (SM 5310C)	7.8		1.0	0.44	mg/L		08/14/25 09:29	1	SM 5310C

Client Sample Results

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-272629-1

Client Sample ID: MW-10_20250804_FBLL
Date Collected: 08/04/25 14:15
Date Received: 08/06/25 09:05

Lab Sample ID: 500-272629-18
Matrix: Water

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.23	J	0.50	0.20	ng/L			08/11/25 19:52	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-272629-1

Client Sample ID: MW-3A_20250804

Date Collected: 08/04/25 16:20
Date Received: 08/06/25 09:05

Lab Sample ID: 500-272629-19

Matrix: Water

Method: EPA 1630 - Methyl Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		08/14/25 12:07	08/14/25 18:45	1

Method: EPA 1630 - Methyl Mercury - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		08/14/25 12:07	08/14/25 19:16	1

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.47**	**J**	0.50	0.20	ng/L			08/14/25 12:53	1

Method: EPA 1631E - Mercury, Low Level (CVAFS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.36**	**J**	0.50	0.20	ng/L			08/14/25 12:57	1

Method: EPA 1638 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**9.0**		0.050	0.0098	ug/L		08/15/25 13:12	08/18/25 15:29	1

Method: EPA 1638 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**10**		0.050	0.0098	ug/L		08/15/25 13:12	08/18/25 13:22	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<25		100	25	ug/L		08/07/25 08:13	08/15/25 15:24	1
Antimony	<1.3		3.0	1.3	ug/L		08/07/25 08:13	08/15/25 15:24	1
Arsenic	**2.1**		1.0	0.23	ug/L		08/07/25 08:13	08/15/25 15:24	1
Barium	**990**		2.5	0.73	ug/L		08/07/25 08:13	08/15/25 15:24	1
Beryllium	<0.53	^1+	1.0	0.53	ug/L		08/07/25 08:13	08/15/25 15:24	1
Boron	**370**	**B**	50	13	ug/L		08/07/25 08:13	08/15/25 15:24	1
Cadmium	<0.17		0.50	0.17	ug/L		08/07/25 08:13	08/15/25 15:24	1
Calcium	**240000**		1000	220	ug/L		08/07/25 08:13	08/18/25 15:10	5
Chromium	<1.1		5.0	1.1	ug/L		08/07/25 08:13	08/15/25 15:24	1
Cobalt	**1.8**		1.0	0.40	ug/L		08/07/25 08:13	08/15/25 15:24	1
Copper	**0.51**	**J**	2.0	0.50	ug/L		08/07/25 08:13	08/15/25 15:24	1
Iron	**8200**		100	47	ug/L		08/07/25 08:13	08/15/25 15:24	1
Lead	<0.19		0.50	0.19	ug/L		08/07/25 08:13	08/15/25 15:24	1
Lithium	**86**		10	2.5	ug/L		08/07/25 08:13	08/15/25 15:24	1
Magnesium	**54000**		200	49	ug/L		08/07/25 08:13	08/15/25 15:24	1
Manganese	**4700**		13	4.0	ug/L		08/07/25 08:13	08/18/25 15:10	5
Molybdenum	**2.6**	**J**	5.0	2.5	ug/L		08/07/25 08:13	08/15/25 15:24	1
Nickel	**2.3**		2.0	0.63	ug/L		08/07/25 08:13	08/15/25 15:24	1
Potassium	**1900**		500	110	ug/L		08/07/25 08:13	08/15/25 15:24	1
Selenium	<0.98		2.5	0.98	ug/L		08/07/25 08:13	08/15/25 15:24	1
Silver	<0.12		0.50	0.12	ug/L		08/07/25 08:13	08/15/25 15:24	1
Sodium	**160000**		200	77	ug/L		08/07/25 08:13	08/15/25 15:24	1
Strontium	**5000**		20	3.2	ug/L		08/07/25 08:13	08/18/25 15:10	5
Thallium	<0.57		2.0	0.57	ug/L		08/07/25 08:13	08/15/25 15:24	1
Tin	<1.3		5.0	1.3	ug/L		08/07/25 08:13	08/15/25 15:24	1
Vanadium	<2.2		5.0	2.2	ug/L		08/07/25 08:13	08/15/25 15:24	1
Zinc	<6.9		20	6.9	ug/L		08/07/25 08:13	08/15/25 15:24	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-272629-1

Client Sample ID: MW-3A_20250804

Date Collected: 08/04/25 16:20
Date Received: 08/06/25 09:05

Lab Sample ID: 500-272629-19

Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<25		100	25	ug/L		08/07/25 08:13	08/15/25 16:07	1
Antimony	<1.3		3.0	1.3	ug/L		08/07/25 08:13	08/15/25 16:07	1
Arsenic	**1.7**		1.0	0.23	ug/L		08/07/25 08:13	08/15/25 16:07	1
Barium	**1000**		2.5	0.73	ug/L		08/07/25 08:13	08/15/25 16:07	1
Beryllium	<0.53	^1+	1.0	0.53	ug/L		08/07/25 08:13	08/15/25 16:07	1
Boron	**360**	**B**	50	13	ug/L		08/07/25 08:13	08/18/25 16:14	1
Cadmium	<0.17		0.50	0.17	ug/L		08/07/25 08:13	08/15/25 16:07	1
Calcium	**250000**		1000	220	ug/L		08/07/25 08:13	08/18/25 15:57	5
Chromium	<1.1		5.0	1.1	ug/L		08/07/25 08:13	08/15/25 16:07	1
Cobalt	**1.3**		1.0	0.40	ug/L		08/07/25 08:13	08/15/25 16:07	1
Copper	<0.50		2.0	0.50	ug/L		08/07/25 08:13	08/15/25 16:07	1
Iron	**8200**		100	47	ug/L		08/07/25 08:13	08/15/25 16:07	1
Lead	<0.19		0.50	0.19	ug/L		08/07/25 08:13	08/15/25 16:07	1
Lithium	**85**		10	2.5	ug/L		08/07/25 08:13	08/15/25 16:07	1
Magnesium	**60000**		200	49	ug/L		08/07/25 08:13	08/15/25 16:07	1
Manganese	**3600**		2.5	0.79	ug/L		08/07/25 08:13	08/15/25 16:07	1
Molybdenum	<2.5		5.0	2.5	ug/L		08/07/25 08:13	08/15/25 16:07	1
Nickel	**1.5**	**J**	2.0	0.63	ug/L		08/07/25 08:13	08/15/25 16:07	1
Potassium	**2300**		500	110	ug/L		08/07/25 08:13	08/15/25 16:07	1
Selenium	<0.98		2.5	0.98	ug/L		08/07/25 08:13	08/15/25 16:07	1
Silver	<0.12		0.50	0.12	ug/L		08/07/25 08:13	08/15/25 16:07	1
Sodium	**150000**		200	77	ug/L		08/07/25 08:13	08/15/25 16:07	1
Strontium	**5200**		20	3.2	ug/L		08/07/25 08:13	08/18/25 15:57	5
Thallium	<0.57		2.0	0.57	ug/L		08/07/25 08:13	08/15/25 16:07	1
Tin	<1.3		5.0	1.3	ug/L		08/07/25 08:13	08/15/25 16:07	1
Vanadium	<2.2		5.0	2.2	ug/L		08/07/25 08:13	08/15/25 16:07	1
Zinc	<6.9		20	6.9	ug/L		08/07/25 08:13	08/15/25 16:07	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**820**		0.91	0.46	mg/L		08/07/25 08:13	08/18/25 10:14	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	**5.8**		1.0	0.45	mg/L			08/07/25 02:26	1
Nitrate as N (EPA 300.0)	<0.37		1.0	0.37	mg/L			08/06/25 12:22	1
Chloride (EPA 300.0)	**540**		10	4.2	mg/L			08/16/25 23:10	10
Nitrite as N (EPA 300.0)	**3.5**	**F1**	1.0	0.25	mg/L			08/06/25 12:22	1
Fluoride (EPA 300.0)	<0.43		1.0	0.43	mg/L			08/07/25 02:26	1
Nitrate Nitrite as N (EPA 300.0)	**3.5**		1.0	0.37	mg/L			08/06/25 12:22	1
Sulfate (EPA 300.0)	**1.3**		1.0	0.47	mg/L			08/07/25 02:26	1
Cyanide, Total (EPA 335.4)	<0.0036	F1	0.0050	0.0036	mg/L		08/11/25 14:30	08/12/25 11:54	1
Ammonia (EPA 350.1)	<0.10		0.20	0.10	mg/L		08/14/25 15:12	08/15/25 09:53	1
Phosphorus as P (EPA 365.1)	<0.024		0.050	0.024	mg/L		08/07/25 09:08	08/08/25 10:28	1
Alkalinity (SM 2320B)	**500**		5.0	3.7	mg/L			08/10/25 13:26	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**500**		5.0	3.7	mg/L			08/10/25 13:26	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<3.7		5.0	3.7	mg/L			08/10/25 13:26	1
Salinity (SM 2520B)	**1.4**		0.33	0.33	psu			08/11/25 16:26	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-272629-1

Client Sample ID: MW-3A_20250804
Date Collected: 08/04/25 16:20
Date Received: 08/06/25 09:05

Lab Sample ID: 500-272629-19
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	1500		10	4.3	mg/L			08/07/25 08:57	1
Total Suspended Solids (SM 2540D)	19		5.0	1.9	mg/L			08/07/25 07:18	1
Sulfide (SM 4500 S2 F)	<0.23		1.0	0.23	mg/L			08/07/25 14:07	1
Total Organic Carbon (SM 5310C)	5.8		1.0	0.44	mg/L			08/13/25 22:08	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Method
Dissolved Organic Carbon (SM 5310C)	5.9		1.0	0.44	mg/L		08/14/25 04:12	1	SM 5310C

Client Sample Results

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-272629-1

Client Sample ID: MW-3A_20250804_FBLL
Date Collected: 08/04/25 16:20
Date Received: 08/06/25 09:05

Lab Sample ID: 500-272629-20
Matrix: Water

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.22	J	0.50	0.20	ng/L			08/11/25 12:16	1

Qualifiers

Metals

Qualifier	Qualifier Description
^1+	Initial Calibration Verification (ICV) is outside acceptance limits, high biased.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
B	Compound was found in the blank and sample.
F1	MS and/or MSD recovery exceeds control limits.
H	Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.
H3	Sample was received and analyzed past holding time. This does not meet regulatory requirements.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Metals

Prep Batch: 8790

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-272629-1	ARC-01_20250804	Dissolved	Water	1630	
500-272629-3	DKC-01_20250804	Dissolved	Water	1630	
500-272629-3	DKC-01_20250804	Total/NA	Water	1630	
500-272629-5	MW-5SB_20250804	Dissolved	Water	1630	
500-272629-5	MW-5SB_20250804	Total/NA	Water	1630	
500-272629-7	MW-5A_20250804	Dissolved	Water	1630	
500-272629-7	MW-5A_20250804	Total/NA	Water	1630	
500-272629-9	SBD-01_20250804	Dissolved	Water	1630	
500-272629-9	SBD-01_20250804	Total/NA	Water	1630	
500-272629-11	SBW-01_20250804	Dissolved	Water	1630	
500-272629-11	SBW-01_20250804	Total/NA	Water	1630	
500-272629-13	PNC-02_20250804	Dissolved	Water	1630	
500-272629-13	PNC-02_20250804	Total/NA	Water	1630	
500-272629-15	MLR-02_20250804	Dissolved	Water	1630	
500-272629-15	MLR-02_20250804	Total/NA	Water	1630	
MB 350-8790/1-A	Method Blank	Total/NA	Water	1630	
MB 350-8790/2-A	Method Blank	Total/NA	Water	1630	
MB 350-8790/3-A	Method Blank	Total/NA	Water	1630	
LCS 350-8790/4-A	Lab Control Sample	Total/NA	Water	1630	
LCSD 350-8790/5-A	Lab Control Sample Dup	Total/NA	Water	1630	

Analysis Batch: 8791

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-272629-1	ARC-01_20250804	Dissolved	Water	1631E	
500-272629-1	ARC-01_20250804	Total/NA	Water	1631E	
500-272629-2	ARC-01_20250804_FBLL	Total/NA	Water	1631E	
500-272629-3	DKC-01_20250804	Dissolved	Water	1631E	
500-272629-3	DKC-01_20250804	Total/NA	Water	1631E	
500-272629-4	DKC-01_20250804_FBLL	Total/NA	Water	1631E	
500-272629-5	MW-5SB_20250804	Dissolved	Water	1631E	
500-272629-5	MW-5SB_20250804	Total/NA	Water	1631E	
500-272629-6	MW-5SB_20250804_FBLL	Total/NA	Water	1631E	
500-272629-7	MW-5A_20250804	Dissolved	Water	1631E	
500-272629-7	MW-5A_20250804	Total/NA	Water	1631E	
500-272629-8	MW-5A_20250804_FBLL	Total/NA	Water	1631E	
500-272629-9	SBD-01_20250804	Dissolved	Water	1631E	
500-272629-9	SBD-01_20250804	Total/NA	Water	1631E	
500-272629-10	SBD-01_20250804_FBLL	Total/NA	Water	1631E	
500-272629-11	SBW-01_20250804	Dissolved	Water	1631E	
500-272629-11	SBW-01_20250804	Total/NA	Water	1631E	
500-272629-12	SBW-01_20250804_FBLL	Total/NA	Water	1631E	
500-272629-13	PNC-02_20250804	Dissolved	Water	1631E	
500-272629-13	PNC-02_20250804	Total/NA	Water	1631E	
500-272629-14	PNC-02_20250804_FBLL	Total/NA	Water	1631E	
500-272629-15	MLR-02_20250804	Dissolved	Water	1631E	
500-272629-15	MLR-02_20250804	Total/NA	Water	1631E	
500-272629-16	MLR-02_20250804_FBLL	Total/NA	Water	1631E	
500-272629-17	MW-10_20250804	Dissolved	Water	1631E	
500-272629-17	MW-10_20250804	Total/NA	Water	1631E	
500-272629-18	MW-10_20250804_FBLL	Total/NA	Water	1631E	
500-272629-20	MW-3A_20250804_FBLL	Total/NA	Water	1631E	

Metals (Continued)

Analysis Batch: 8791 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 350-8791/24	Method Blank	Total/NA	Water	1631E	
MB 350-8791/25	Method Blank	Total/NA	Water	1631E	
MB 350-8791/26	Method Blank	Total/NA	Water	1631E	
MB 350-8791/27	Method Blank	Total/NA	Water	1631E	
MB 350-8791/28	Method Blank	Total/NA	Water	1631E	
MB 350-8791/29	Method Blank	Total/NA	Water	1631E	
LCS 350-8791/110	Lab Control Sample	Total/NA	Water	1631E	
LCS 350-8791/80	Lab Control Sample	Total/NA	Water	1631E	
LCSD 350-8791/111	Lab Control Sample Dup	Total/NA	Water	1631E	
LCSD 350-8791/83	Lab Control Sample Dup	Total/NA	Water	1631E	
500-272629-20 MS	MW-3A_20250804_FBLL	Total/NA	Water	1631E	
500-272629-20 MSD	MW-3A_20250804_FBLL	Total/NA	Water	1631E	

Analysis Batch: 8853

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-272629-1	ARC-01_20250804	Dissolved	Water	1630	8790
500-272629-3	DKC-01_20250804	Dissolved	Water	1630	8790
500-272629-3	DKC-01_20250804	Total/NA	Water	1630	8790
500-272629-5	MW-5SB_20250804	Dissolved	Water	1630	8790
500-272629-5	MW-5SB_20250804	Total/NA	Water	1630	8790
500-272629-7	MW-5A_20250804	Dissolved	Water	1630	8790
500-272629-7	MW-5A_20250804	Total/NA	Water	1630	8790
500-272629-9	SBD-01_20250804	Dissolved	Water	1630	8790
500-272629-9	SBD-01_20250804	Total/NA	Water	1630	8790
500-272629-11	SBW-01_20250804	Dissolved	Water	1630	8790
500-272629-11	SBW-01_20250804	Total/NA	Water	1630	8790
500-272629-13	PNC-02_20250804	Dissolved	Water	1630	8790
500-272629-13	PNC-02_20250804	Total/NA	Water	1630	8790
500-272629-15	MLR-02_20250804	Dissolved	Water	1630	8790
500-272629-15	MLR-02_20250804	Total/NA	Water	1630	8790
MB 350-8790/1-A	Method Blank	Total/NA	Water	1630	8790
MB 350-8790/2-A	Method Blank	Total/NA	Water	1630	8790
MB 350-8790/3-A	Method Blank	Total/NA	Water	1630	8790
LCS 350-8790/4-A	Lab Control Sample	Total/NA	Water	1630	8790
LCSD 350-8790/5-A	Lab Control Sample Dup	Total/NA	Water	1630	8790

Prep Batch: 8862

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-272629-1	ARC-01_20250804	Total/NA	Water	1630	
500-272629-17	MW-10_20250804	Dissolved	Water	1630	
500-272629-17	MW-10_20250804	Total/NA	Water	1630	
500-272629-19	MW-3A_20250804	Dissolved	Water	1630	
500-272629-19	MW-3A_20250804	Total/NA	Water	1630	
MB 350-8862/1-A	Method Blank	Total/NA	Water	1630	
MB 350-8862/2-A	Method Blank	Total/NA	Water	1630	
MB 350-8862/3-A	Method Blank	Total/NA	Water	1630	
LCS 350-8862/4-A	Lab Control Sample	Total/NA	Water	1630	
LCSD 350-8862/5-A	Lab Control Sample Dup	Total/NA	Water	1630	
500-272629-19 MS	MW-3A_20250804	Dissolved	Water	1630	
500-272629-19 MS	MW-3A_20250804	Total/NA	Water	1630	
500-272629-19 MSD	MW-3A_20250804	Dissolved	Water	1630	

Metals (Continued)

Prep Batch: 8862 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-272629-19 MSD	MW-3A_20250804	Total/NA	Water	1630	

Prep Batch: 8890

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-272629-1	ARC-01_20250804	Dissolved	Water	1638	
500-272629-3	DKC-01_20250804	Dissolved	Water	1638	
500-272629-5	MW-5SB_20250804	Dissolved	Water	1638	
500-272629-7	MW-5A_20250804	Dissolved	Water	1638	
500-272629-9	SBD-01_20250804	Dissolved	Water	1638	
500-272629-11	SBW-01_20250804	Dissolved	Water	1638	
500-272629-13	PNC-02_20250804	Dissolved	Water	1638	
500-272629-15	MLR-02_20250804	Dissolved	Water	1638	
500-272629-17	MW-10_20250804	Dissolved	Water	1638	
500-272629-19	MW-3A_20250804	Dissolved	Water	1638	
MB 350-8890/1-A	Method Blank	Total Recoverable	Water	1638	
MB 350-8890/2-A	Method Blank	Total Recoverable	Water	1638	
LCS 350-8890/3-A	Lab Control Sample	Total Recoverable	Water	1638	
LCSD 350-8890/4-A	Lab Control Sample Dup	Total Recoverable	Water	1638	
500-272629-1 MS	ARC-01_20250804	Dissolved	Water	1638	
500-272629-1 MSD	ARC-01_20250804	Dissolved	Water	1638	
500-272629-19 MS	MW-3A_20250804	Dissolved	Water	1638	
500-272629-19 MSD	MW-3A_20250804	Dissolved	Water	1638	

Prep Batch: 8891

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-272629-1	ARC-01_20250804	Total Recoverable	Water	1638	
500-272629-3	DKC-01_20250804	Total Recoverable	Water	1638	
500-272629-5	MW-5SB_20250804	Total Recoverable	Water	1638	
500-272629-7	MW-5A_20250804	Total Recoverable	Water	1638	
500-272629-9	SBD-01_20250804	Total Recoverable	Water	1638	
500-272629-11	SBW-01_20250804	Total Recoverable	Water	1638	
500-272629-13	PNC-02_20250804	Total Recoverable	Water	1638	
500-272629-15	MLR-02_20250804	Total Recoverable	Water	1638	
500-272629-17	MW-10_20250804	Total Recoverable	Water	1638	
500-272629-19	MW-3A_20250804	Total Recoverable	Water	1638	
MB 350-8891/1-A	Method Blank	Total Recoverable	Water	1638	
MB 350-8891/2-A	Method Blank	Total Recoverable	Water	1638	
LCS 350-8891/3-A	Lab Control Sample	Total Recoverable	Water	1638	
LCSD 350-8891/4-A	Lab Control Sample Dup	Total Recoverable	Water	1638	
500-272629-1 MS	ARC-01_20250804	Total Recoverable	Water	1638	
500-272629-1 MSD	ARC-01_20250804	Total Recoverable	Water	1638	
500-272629-19 MS	MW-3A_20250804	Total Recoverable	Water	1638	
500-272629-19 MSD	MW-3A_20250804	Total Recoverable	Water	1638	

Analysis Batch: 8923

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-272629-1	ARC-01_20250804	Total/NA	Water	1630	8862
500-272629-17	MW-10_20250804	Dissolved	Water	1630	8862
500-272629-17	MW-10_20250804	Total/NA	Water	1630	8862
500-272629-19	MW-3A_20250804	Dissolved	Water	1630	8862
500-272629-19	MW-3A_20250804	Total/NA	Water	1630	8862

Metals (Continued)

Analysis Batch: 8923 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 350-8862/1-A	Method Blank	Total/NA	Water	1630	8862
MB 350-8862/2-A	Method Blank	Total/NA	Water	1630	8862
MB 350-8862/3-A	Method Blank	Total/NA	Water	1630	8862
LCS 350-8862/4-A	Lab Control Sample	Total/NA	Water	1630	8862
LCSD 350-8862/5-A	Lab Control Sample Dup	Total/NA	Water	1630	8862
500-272629-19 MS	MW-3A_20250804	Dissolved	Water	1630	8862
500-272629-19 MS	MW-3A_20250804	Total/NA	Water	1630	8862
500-272629-19 MSD	MW-3A_20250804	Dissolved	Water	1630	8862
500-272629-19 MSD	MW-3A_20250804	Total/NA	Water	1630	8862

Analysis Batch: 8925

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-272629-19	MW-3A_20250804	Dissolved	Water	1631E	
500-272629-19	MW-3A_20250804	Total/NA	Water	1631E	
MB 350-8925/36	Method Blank	Total/NA	Water	1631E	
MB 350-8925/37	Method Blank	Total/NA	Water	1631E	
MB 350-8925/38	Method Blank	Total/NA	Water	1631E	
LCS 350-8925/46	Lab Control Sample	Total/NA	Water	1631E	
LCSD 350-8925/47	Lab Control Sample Dup	Total/NA	Water	1631E	
500-272629-19 MS	MW-3A_20250804	Dissolved	Water	1631E	
500-272629-19 MS	MW-3A_20250804	Total/NA	Water	1631E	
500-272629-19 MSD	MW-3A_20250804	Dissolved	Water	1631E	
500-272629-19 MSD	MW-3A_20250804	Total/NA	Water	1631E	

Analysis Batch: 8987

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-272629-1	ARC-01_20250804	Dissolved	Water	1638	8890
500-272629-1	ARC-01_20250804	Total Recoverable	Water	1638	8891
500-272629-3	DKC-01_20250804	Dissolved	Water	1638	8890
500-272629-3	DKC-01_20250804	Total Recoverable	Water	1638	8891
500-272629-5	MW-5SB_20250804	Dissolved	Water	1638	8890
500-272629-5	MW-5SB_20250804	Total Recoverable	Water	1638	8891
500-272629-7	MW-5A_20250804	Dissolved	Water	1638	8890
500-272629-7	MW-5A_20250804	Total Recoverable	Water	1638	8891
500-272629-9	SBD-01_20250804	Dissolved	Water	1638	8890
500-272629-9	SBD-01_20250804	Total Recoverable	Water	1638	8891
500-272629-11	SBW-01_20250804	Dissolved	Water	1638	8890
500-272629-11	SBW-01_20250804	Total Recoverable	Water	1638	8891
500-272629-13	PNC-02_20250804	Dissolved	Water	1638	8890
500-272629-13	PNC-02_20250804	Total Recoverable	Water	1638	8891
500-272629-15	MLR-02_20250804	Dissolved	Water	1638	8890
500-272629-15	MLR-02_20250804	Total Recoverable	Water	1638	8891
500-272629-17	MW-10_20250804	Dissolved	Water	1638	8890
500-272629-17	MW-10_20250804	Total Recoverable	Water	1638	8891
500-272629-19	MW-3A_20250804	Dissolved	Water	1638	8890
500-272629-19	MW-3A_20250804	Total Recoverable	Water	1638	8891
MB 350-8890/1-A	Method Blank	Total Recoverable	Water	1638	8890
MB 350-8890/2-A	Method Blank	Total Recoverable	Water	1638	8890
MB 350-8891/1-A	Method Blank	Total Recoverable	Water	1638	8891
MB 350-8891/2-A	Method Blank	Total Recoverable	Water	1638	8891
LCS 350-8890/3-A	Lab Control Sample	Total Recoverable	Water	1638	8890

Metals (Continued)

Analysis Batch: 8987 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 350-8891/3-A	Lab Control Sample	Total Recoverable	Water	1638	8891
LCSD 350-8890/4-A	Lab Control Sample Dup	Total Recoverable	Water	1638	8890
LCSD 350-8891/4-A	Lab Control Sample Dup	Total Recoverable	Water	1638	8891
500-272629-1 MS	ARC-01_20250804	Dissolved	Water	1638	8890
500-272629-1 MS	ARC-01_20250804	Total Recoverable	Water	1638	8891
500-272629-1 MSD	ARC-01_20250804	Dissolved	Water	1638	8890
500-272629-1 MSD	ARC-01_20250804	Total Recoverable	Water	1638	8891
500-272629-19 MS	MW-3A_20250804	Dissolved	Water	1638	8890
500-272629-19 MS	MW-3A_20250804	Total Recoverable	Water	1638	8891
500-272629-19 MSD	MW-3A_20250804	Dissolved	Water	1638	8890
500-272629-19 MSD	MW-3A_20250804	Total Recoverable	Water	1638	8891

Prep Batch: 829027

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-272629-1	ARC-01_20250804	Dissolved	Water	3005A	
500-272629-1	ARC-01_20250804	Total Recoverable	Water	3005A	
500-272629-3	DKC-01_20250804	Dissolved	Water	3005A	
500-272629-3	DKC-01_20250804	Total Recoverable	Water	3005A	
500-272629-5	MW-5SB_20250804	Dissolved	Water	3005A	
500-272629-5	MW-5SB_20250804	Total Recoverable	Water	3005A	
500-272629-7	MW-5A_20250804	Dissolved	Water	3005A	
500-272629-7	MW-5A_20250804	Total Recoverable	Water	3005A	
500-272629-9	SBD-01_20250804	Dissolved	Water	3005A	
500-272629-9	SBD-01_20250804	Total Recoverable	Water	3005A	
500-272629-11	SBW-01_20250804	Dissolved	Water	3005A	
500-272629-11	SBW-01_20250804	Total Recoverable	Water	3005A	
500-272629-13	PNC-02_20250804	Dissolved	Water	3005A	
500-272629-13	PNC-02_20250804	Total Recoverable	Water	3005A	
500-272629-15	MLR-02_20250804	Dissolved	Water	3005A	
500-272629-15	MLR-02_20250804	Total Recoverable	Water	3005A	
500-272629-17	MW-10_20250804	Dissolved	Water	3005A	
500-272629-17	MW-10_20250804	Total Recoverable	Water	3005A	
500-272629-19	MW-3A_20250804	Dissolved	Water	3005A	
500-272629-19	MW-3A_20250804	Total Recoverable	Water	3005A	
MB 500-829027/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 500-829027/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
500-272629-19 MS	MW-3A_20250804	Dissolved	Water	3005A	
500-272629-19 MS	MW-3A_20250804	Total Recoverable	Water	3005A	
500-272629-19 MSD	MW-3A_20250804	Dissolved	Water	3005A	
500-272629-19 MSD	MW-3A_20250804	Total Recoverable	Water	3005A	
500-272629-19 DU	MW-3A_20250804	Dissolved	Water	3005A	
500-272629-19 DU	MW-3A_20250804	Total Recoverable	Water	3005A	

Analysis Batch: 830406

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-272629-1	ARC-01_20250804	Dissolved	Water	6020B	829027
500-272629-1	ARC-01_20250804	Total Recoverable	Water	6020B	829027
500-272629-3	DKC-01_20250804	Dissolved	Water	6020B	829027
500-272629-3	DKC-01_20250804	Total Recoverable	Water	6020B	829027
500-272629-5	MW-5SB_20250804	Dissolved	Water	6020B	829027
500-272629-5	MW-5SB_20250804	Total Recoverable	Water	6020B	829027

Metals (Continued)

Analysis Batch: 830406 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-272629-7	MW-5A_20250804	Dissolved	Water	6020B	829027
500-272629-7	MW-5A_20250804	Total Recoverable	Water	6020B	829027
500-272629-9	SBD-01_20250804	Dissolved	Water	6020B	829027
500-272629-9	SBD-01_20250804	Total Recoverable	Water	6020B	829027
500-272629-11	SBW-01_20250804	Dissolved	Water	6020B	829027
500-272629-11	SBW-01_20250804	Total Recoverable	Water	6020B	829027
500-272629-13	PNC-02_20250804	Dissolved	Water	6020B	829027
500-272629-13	PNC-02_20250804	Total Recoverable	Water	6020B	829027
500-272629-15	MLR-02_20250804	Dissolved	Water	6020B	829027
500-272629-15	MLR-02_20250804	Total Recoverable	Water	6020B	829027
500-272629-17	MW-10_20250804	Dissolved	Water	6020B	829027
500-272629-17	MW-10_20250804	Total Recoverable	Water	6020B	829027
500-272629-19	MW-3A_20250804	Dissolved	Water	6020B	829027
500-272629-19	MW-3A_20250804	Total Recoverable	Water	6020B	829027
MB 500-829027/1-A	Method Blank	Total Recoverable	Water	6020B	829027
LCS 500-829027/2-A	Lab Control Sample	Total Recoverable	Water	6020B	829027
500-272629-19 MS	MW-3A_20250804	Dissolved	Water	6020B	829027
500-272629-19 MS	MW-3A_20250804	Total Recoverable	Water	6020B	829027
500-272629-19 MSD	MW-3A_20250804	Dissolved	Water	6020B	829027
500-272629-19 MSD	MW-3A_20250804	Total Recoverable	Water	6020B	829027
500-272629-19 DU	MW-3A_20250804	Dissolved	Water	6020B	829027
500-272629-19 DU	MW-3A_20250804	Total Recoverable	Water	6020B	829027

Analysis Batch: 830447

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-272629-1	ARC-01_20250804	Total Recoverable	Water	SM 2340B	829027
500-272629-3	DKC-01_20250804	Total Recoverable	Water	SM 2340B	829027
500-272629-5	MW-5SB_20250804	Total Recoverable	Water	SM 2340B	829027
500-272629-7	MW-5A_20250804	Total Recoverable	Water	SM 2340B	829027
500-272629-9	SBD-01_20250804	Total Recoverable	Water	SM 2340B	829027
500-272629-11	SBW-01_20250804	Total Recoverable	Water	SM 2340B	829027
500-272629-13	PNC-02_20250804	Total Recoverable	Water	SM 2340B	829027
500-272629-15	MLR-02_20250804	Total Recoverable	Water	SM 2340B	829027
500-272629-17	MW-10_20250804	Total Recoverable	Water	SM 2340B	829027
500-272629-19	MW-3A_20250804	Total Recoverable	Water	SM 2340B	829027

Analysis Batch: 830559

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-272629-1	ARC-01_20250804	Total Recoverable	Water	6020B	829027
500-272629-3	DKC-01_20250804	Total Recoverable	Water	6020B	829027
500-272629-5	MW-5SB_20250804	Dissolved	Water	6020B	829027
500-272629-5	MW-5SB_20250804	Total Recoverable	Water	6020B	829027
500-272629-7	MW-5A_20250804	Total Recoverable	Water	6020B	829027
500-272629-17	MW-10_20250804	Dissolved	Water	6020B	829027
500-272629-17	MW-10_20250804	Total Recoverable	Water	6020B	829027
500-272629-19	MW-3A_20250804	Dissolved	Water	6020B	829027
500-272629-19	MW-3A_20250804	Dissolved	Water	6020B	829027
500-272629-19	MW-3A_20250804	Total Recoverable	Water	6020B	829027
MB 500-829027/1-A	Method Blank	Total Recoverable	Water	6020B	829027
LCS 500-829027/2-A	Lab Control Sample	Total Recoverable	Water	6020B	829027
500-272629-19 MS	MW-3A_20250804	Dissolved	Water	6020B	829027

Metals (Continued)

Analysis Batch: 830559 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-272629-19 MS	MW-3A_20250804	Dissolved	Water	6020B	829027
500-272629-19 MS	MW-3A_20250804	Total Recoverable	Water	6020B	829027
500-272629-19 MSD	MW-3A_20250804	Dissolved	Water	6020B	829027
500-272629-19 MSD	MW-3A_20250804	Dissolved	Water	6020B	829027
500-272629-19 MSD	MW-3A_20250804	Total Recoverable	Water	6020B	829027
500-272629-19 DU	MW-3A_20250804	Dissolved	Water	6020B	829027
500-272629-19 DU	MW-3A_20250804	Dissolved	Water	6020B	829027
500-272629-19 DU	MW-3A_20250804	Total Recoverable	Water	6020B	829027

General Chemistry

Analysis Batch: 667765

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-272629-1	ARC-01_20250804	Total/NA	Water	SM 5310C	
500-272629-3	DKC-01_20250804	Total/NA	Water	SM 5310C	
500-272629-5	MW-5SB_20250804	Total/NA	Water	SM 5310C	
500-272629-7	MW-5A_20250804	Total/NA	Water	SM 5310C	
500-272629-9	SBD-01_20250804	Total/NA	Water	SM 5310C	
500-272629-11	SBW-01_20250804	Total/NA	Water	SM 5310C	
500-272629-13	PNC-02_20250804	Total/NA	Water	SM 5310C	
500-272629-15	MLR-02_20250804	Total/NA	Water	SM 5310C	
500-272629-17	MW-10_20250804	Total/NA	Water	SM 5310C	
500-272629-19	MW-3A_20250804	Total/NA	Water	SM 5310C	
MB 240-667765/5	Method Blank	Total/NA	Water	SM 5310C	
LCS 240-667765/21	Lab Control Sample	Total/NA	Water	SM 5310C	
LCS 240-667765/6	Lab Control Sample	Total/NA	Water	SM 5310C	
500-272629-19 MS	MW-3A_20250804	Total/NA	Water	SM 5310C	
500-272629-19 MSD	MW-3A_20250804	Total/NA	Water	SM 5310C	

Analysis Batch: 667766

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-272629-1	ARC-01_20250804	Dissolved	Water	SM 5310C	
500-272629-3	DKC-01_20250804	Dissolved	Water	SM 5310C	
500-272629-5	MW-5SB_20250804	Dissolved	Water	SM 5310C	
500-272629-7	MW-5A_20250804	Dissolved	Water	SM 5310C	
500-272629-9	SBD-01_20250804	Dissolved	Water	SM 5310C	
500-272629-11	SBW-01_20250804	Dissolved	Water	SM 5310C	
500-272629-13	PNC-02_20250804	Dissolved	Water	SM 5310C	
500-272629-15	MLR-02_20250804	Dissolved	Water	SM 5310C	
500-272629-17	MW-10_20250804	Dissolved	Water	SM 5310C	
500-272629-19	MW-3A_20250804	Dissolved	Water	SM 5310C	
MB 240-667766/5	Method Blank	Dissolved	Water	SM 5310C	
LCS 240-667766/21	Lab Control Sample	Dissolved	Water	SM 5310C	
LCS 240-667766/6	Lab Control Sample	Dissolved	Water	SM 5310C	
500-272629-19 MS	MW-3A_20250804	Dissolved	Water	SM 5310C	
500-272629-19 MSD	MW-3A_20250804	Dissolved	Water	SM 5310C	

Analysis Batch: 828874

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-272629-1	ARC-01_20250804	Total/NA	Water	300.0	
500-272629-3	DKC-01_20250804	Total/NA	Water	300.0	

General Chemistry (Continued)

Analysis Batch: 828874 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-272629-5	MW-5SB_20250804	Total/NA	Water	300.0	
500-272629-7	MW-5A_20250804	Total/NA	Water	300.0	
500-272629-9	SBD-01_20250804	Total/NA	Water	300.0	
500-272629-11	SBW-01_20250804	Total/NA	Water	300.0	
500-272629-13	PNC-02_20250804	Total/NA	Water	300.0	
500-272629-15	MLR-02_20250804	Total/NA	Water	300.0	
500-272629-17	MW-10_20250804	Total/NA	Water	300.0	
500-272629-19	MW-3A_20250804	Total/NA	Water	300.0	
MB 500-828874/3	Method Blank	Total/NA	Water	300.0	
LCS 500-828874/4	Lab Control Sample	Total/NA	Water	300.0	
500-272629-19 MS	MW-3A_20250804	Total/NA	Water	300.0	
500-272629-19 MSD	MW-3A_20250804	Total/NA	Water	300.0	

Analysis Batch: 828881

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-272629-1	ARC-01_20250804	Total/NA	Water	300.0	
500-272629-3	DKC-01_20250804	Total/NA	Water	300.0	
500-272629-5	MW-5SB_20250804	Total/NA	Water	300.0	
500-272629-7	MW-5A_20250804	Total/NA	Water	300.0	
500-272629-9	SBD-01_20250804	Total/NA	Water	300.0	
500-272629-11	SBW-01_20250804	Total/NA	Water	300.0	
500-272629-13	PNC-02_20250804	Total/NA	Water	300.0	
500-272629-15	MLR-02_20250804	Total/NA	Water	300.0	
500-272629-17	MW-10_20250804	Total/NA	Water	300.0	
500-272629-19	MW-3A_20250804	Total/NA	Water	300.0	
MB 500-828881/3	Method Blank	Total/NA	Water	300.0	
LCS 500-828881/4	Lab Control Sample	Total/NA	Water	300.0	
500-272629-19 MS	MW-3A_20250804	Total/NA	Water	300.0	
500-272629-19 MSD	MW-3A_20250804	Total/NA	Water	300.0	

Analysis Batch: 829006

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-272629-1	ARC-01_20250804	Total/NA	Water	SM 2540D	
500-272629-3	DKC-01_20250804	Total/NA	Water	SM 2540D	
500-272629-5	MW-5SB_20250804	Total/NA	Water	SM 2540D	
500-272629-7	MW-5A_20250804	Total/NA	Water	SM 2540D	
500-272629-9	SBD-01_20250804	Total/NA	Water	SM 2540D	
500-272629-11	SBW-01_20250804	Total/NA	Water	SM 2540D	
500-272629-13	PNC-02_20250804	Total/NA	Water	SM 2540D	
500-272629-15	MLR-02_20250804	Total/NA	Water	SM 2540D	
500-272629-17	MW-10_20250804	Total/NA	Water	SM 2540D	
500-272629-19	MW-3A_20250804	Total/NA	Water	SM 2540D	
MB 500-829006/1	Method Blank	Total/NA	Water	SM 2540D	
LCS 500-829006/2	Lab Control Sample	Total/NA	Water	SM 2540D	
500-272629-19 MS	MW-3A_20250804	Total/NA	Water	SM 2540D	
500-272629-19 MSD	MW-3A_20250804	Total/NA	Water	SM 2540D	
500-272629-17 DU	MW-10_20250804	Total/NA	Water	SM 2540D	

Prep Batch: 829056

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-272629-5	MW-5SB_20250804	Total/NA	Water	365.2/365.3/365	

General Chemistry (Continued)

Prep Batch: 829056 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-272629-7	MW-5A_20250804	Total/NA	Water	365.2/365.3/365	
500-272629-9	SBD-01_20250804	Total/NA	Water	365.2/365.3/365	
500-272629-11	SBW-01_20250804	Total/NA	Water	365.2/365.3/365	
500-272629-13	PNC-02_20250804	Total/NA	Water	365.2/365.3/365	
500-272629-15	MLR-02_20250804	Total/NA	Water	365.2/365.3/365	
500-272629-17	MW-10_20250804	Total/NA	Water	365.2/365.3/365	
500-272629-19	MW-3A_20250804	Total/NA	Water	365.2/365.3/365	
MB 500-829056/1-A	Method Blank	Total/NA	Water	365.2/365.3/365	
LCS 500-829056/2-A	Lab Control Sample	Total/NA	Water	365.2/365.3/365	
500-272629-19 MS	MW-3A_20250804	Total/NA	Water	365.2/365.3/365	
500-272629-19 MSD	MW-3A_20250804	Total/NA	Water	365.2/365.3/365	

Analysis Batch: 829094

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-272629-1	ARC-01_20250804	Total/NA	Water	SM 2540C	
500-272629-3	DKC-01_20250804	Total/NA	Water	SM 2540C	
500-272629-5	MW-5SB_20250804	Total/NA	Water	SM 2540C	
500-272629-7	MW-5A_20250804	Total/NA	Water	SM 2540C	
500-272629-9	SBD-01_20250804	Total/NA	Water	SM 2540C	
500-272629-11	SBW-01_20250804	Total/NA	Water	SM 2540C	
500-272629-13	PNC-02_20250804	Total/NA	Water	SM 2540C	
500-272629-15	MLR-02_20250804	Total/NA	Water	SM 2540C	
500-272629-17	MW-10_20250804	Total/NA	Water	SM 2540C	
500-272629-19	MW-3A_20250804	Total/NA	Water	SM 2540C	
MB 500-829094/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-829094/2	Lab Control Sample	Total/NA	Water	SM 2540C	
500-272629-19 MS	MW-3A_20250804	Total/NA	Water	SM 2540C	
500-272629-19 MSD	MW-3A_20250804	Total/NA	Water	SM 2540C	
500-272629-17 DU	MW-10_20250804	Total/NA	Water	SM 2540C	

Analysis Batch: 829171

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-272629-1	ARC-01_20250804	Total/NA	Water	SM 4500 S2 F	
500-272629-3	DKC-01_20250804	Total/NA	Water	SM 4500 S2 F	
500-272629-5	MW-5SB_20250804	Total/NA	Water	SM 4500 S2 F	
500-272629-7	MW-5A_20250804	Total/NA	Water	SM 4500 S2 F	
500-272629-9	SBD-01_20250804	Total/NA	Water	SM 4500 S2 F	
500-272629-11	SBW-01_20250804	Total/NA	Water	SM 4500 S2 F	
500-272629-13	PNC-02_20250804	Total/NA	Water	SM 4500 S2 F	
500-272629-15	MLR-02_20250804	Total/NA	Water	SM 4500 S2 F	
500-272629-17	MW-10_20250804	Total/NA	Water	SM 4500 S2 F	
500-272629-19	MW-3A_20250804	Total/NA	Water	SM 4500 S2 F	
MB 500-829171/1	Method Blank	Total/NA	Water	SM 4500 S2 F	
LCS 500-829171/2	Lab Control Sample	Total/NA	Water	SM 4500 S2 F	
500-272629-19 MS	MW-3A_20250804	Total/NA	Water	SM 4500 S2 F	
500-272629-19 MSD	MW-3A_20250804	Total/NA	Water	SM 4500 S2 F	

Analysis Batch: 829276

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-272629-5	MW-5SB_20250804	Total/NA	Water	365.1	829056
500-272629-7	MW-5A_20250804	Total/NA	Water	365.1	829056

General Chemistry (Continued)

Analysis Batch: 829276 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-272629-9	SBD-01_20250804	Total/NA	Water	365.1	829056
500-272629-11	SBW-01_20250804	Total/NA	Water	365.1	829056
500-272629-13	PNC-02_20250804	Total/NA	Water	365.1	829056
500-272629-15	MLR-02_20250804	Total/NA	Water	365.1	829056
500-272629-17	MW-10_20250804	Total/NA	Water	365.1	829056
500-272629-19	MW-3A_20250804	Total/NA	Water	365.1	829056
MB 500-829056/1-A	Method Blank	Total/NA	Water	365.1	829056
LCS 500-829056/2-A	Lab Control Sample	Total/NA	Water	365.1	829056
500-272629-19 MS	MW-3A_20250804	Total/NA	Water	365.1	829056
500-272629-19 MSD	MW-3A_20250804	Total/NA	Water	365.1	829056

Prep Batch: 829284

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-272629-1	ARC-01_20250804	Total/NA	Water	365.2/365.3/365	
500-272629-3	DKC-01_20250804	Total/NA	Water	365.2/365.3/365	
MB 500-829284/1-A	Method Blank	Total/NA	Water	365.2/365.3/365	
LCS 500-829284/2-A	Lab Control Sample	Total/NA	Water	365.2/365.3/365	
500-272629-3 MS	DKC-01_20250804	Total/NA	Water	365.2/365.3/365	
500-272629-3 MSD	DKC-01_20250804	Total/NA	Water	365.2/365.3/365	

Analysis Batch: 829399

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-272629-1	ARC-01_20250804	Total/NA	Water	SM 2320B	
500-272629-3	DKC-01_20250804	Total/NA	Water	SM 2320B	
500-272629-5	MW-5SB_20250804	Total/NA	Water	SM 2320B	
500-272629-7	MW-5A_20250804	Total/NA	Water	SM 2320B	
500-272629-9	SBD-01_20250804	Total/NA	Water	SM 2320B	
500-272629-11	SBW-01_20250804	Total/NA	Water	SM 2320B	
500-272629-13	PNC-02_20250804	Total/NA	Water	SM 2320B	
500-272629-15	MLR-02_20250804	Total/NA	Water	SM 2320B	
500-272629-17	MW-10_20250804	Total/NA	Water	SM 2320B	
500-272629-19	MW-3A_20250804	Total/NA	Water	SM 2320B	
MB 500-829399/28	Method Blank	Total/NA	Water	SM 2320B	
MB 500-829399/3	Method Blank	Total/NA	Water	SM 2320B	
LCS 500-829399/29	Lab Control Sample	Total/NA	Water	SM 2320B	
LCS 500-829399/4	Lab Control Sample	Total/NA	Water	SM 2320B	
500-272629-7 DU	MW-5A_20250804	Total/NA	Water	SM 2320B	

Prep Batch: 829529

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-272629-1	ARC-01_20250804	Total/NA	Water	Distill/CN	
500-272629-3	DKC-01_20250804	Total/NA	Water	Distill/CN	
500-272629-5	MW-5SB_20250804	Total/NA	Water	Distill/CN	
500-272629-7	MW-5A_20250804	Total/NA	Water	Distill/CN	
500-272629-9	SBD-01_20250804	Total/NA	Water	Distill/CN	
500-272629-11	SBW-01_20250804	Total/NA	Water	Distill/CN	
500-272629-13	PNC-02_20250804	Total/NA	Water	Distill/CN	
500-272629-15	MLR-02_20250804	Total/NA	Water	Distill/CN	
500-272629-17	MW-10_20250804	Total/NA	Water	Distill/CN	
MB 500-829529/1-A	Method Blank	Total/NA	Water	Distill/CN	
LCS 500-829529/2-A	Lab Control Sample	Total/NA	Water	Distill/CN	

General Chemistry (Continued)

Prep Batch: 829529 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-272629-5 MS	MW-5SB_20250804	Total/NA	Water	Distill/CN	
500-272629-5 MSD	MW-5SB_20250804	Total/NA	Water	Distill/CN	

Prep Batch: 829530

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-272629-19	MW-3A_20250804	Total/NA	Water	Distill/CN	
MB 500-829530/1-A	Method Blank	Total/NA	Water	Distill/CN	
LCS 500-829530/2-A	Lab Control Sample	Total/NA	Water	Distill/CN	
500-272629-19 MS	MW-3A_20250804	Total/NA	Water	Distill/CN	
500-272629-19 MSD	MW-3A_20250804	Total/NA	Water	Distill/CN	

Analysis Batch: 829551

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-272629-3	DKC-01_20250804	Total/NA	Water	SM 2520B	
500-272629-5	MW-5SB_20250804	Total/NA	Water	SM 2520B	
500-272629-7	MW-5A_20250804	Total/NA	Water	SM 2520B	
500-272629-9	SBD-01_20250804	Total/NA	Water	SM 2520B	
500-272629-11	SBW-01_20250804	Total/NA	Water	SM 2520B	
500-272629-13	PNC-02_20250804	Total/NA	Water	SM 2520B	
500-272629-15	MLR-02_20250804	Total/NA	Water	SM 2520B	
500-272629-17	MW-10_20250804	Total/NA	Water	SM 2520B	
500-272629-19	MW-3A_20250804	Total/NA	Water	SM 2520B	

Analysis Batch: 829581

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-272629-1	ARC-01_20250804	Total/NA	Water	335.4	829529
500-272629-3	DKC-01_20250804	Total/NA	Water	335.4	829529
500-272629-5	MW-5SB_20250804	Total/NA	Water	335.4	829529
500-272629-7	MW-5A_20250804	Total/NA	Water	335.4	829529
500-272629-9	SBD-01_20250804	Total/NA	Water	335.4	829529
500-272629-11	SBW-01_20250804	Total/NA	Water	335.4	829529
500-272629-13	PNC-02_20250804	Total/NA	Water	335.4	829529
500-272629-15	MLR-02_20250804	Total/NA	Water	335.4	829529
500-272629-17	MW-10_20250804	Total/NA	Water	335.4	829529
MB 500-829529/1-A	Method Blank	Total/NA	Water	335.4	829529
LCS 500-829529/2-A	Lab Control Sample	Total/NA	Water	335.4	829529
500-272629-5 MS	MW-5SB_20250804	Total/NA	Water	335.4	829529
500-272629-5 MSD	MW-5SB_20250804	Total/NA	Water	335.4	829529

Analysis Batch: 829708

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-272629-19	MW-3A_20250804	Total/NA	Water	335.4	829530
MB 500-829530/1-A	Method Blank	Total/NA	Water	335.4	829530
LCS 500-829530/2-A	Lab Control Sample	Total/NA	Water	335.4	829530
500-272629-19 MS	MW-3A_20250804	Total/NA	Water	335.4	829530
500-272629-19 MSD	MW-3A_20250804	Total/NA	Water	335.4	829530

Analysis Batch: 829787

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-272629-1	ARC-01_20250804	Total/NA	Water	365.1	829284
500-272629-3	DKC-01_20250804	Total/NA	Water	365.1	829284

General Chemistry (Continued)

Analysis Batch: 829787 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 500-829284/1-A	Method Blank	Total/NA	Water	365.1	829284
LCS 500-829284/2-A	Lab Control Sample	Total/NA	Water	365.1	829284
500-272629-3 MS	DKC-01_20250804	Total/NA	Water	365.1	829284
500-272629-3 MSD	DKC-01_20250804	Total/NA	Water	365.1	829284

Prep Batch: 830129

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-272629-19	MW-3A_20250804	Total/NA	Water	Distill/Ammonia	
MB 500-830129/1-A	Method Blank	Total/NA	Water	Distill/Ammonia	
LCS 500-830129/2-A	Lab Control Sample	Total/NA	Water	Distill/Ammonia	
500-272629-19 MS	MW-3A_20250804	Total/NA	Water	Distill/Ammonia	
500-272629-19 MSD	MW-3A_20250804	Total/NA	Water	Distill/Ammonia	

Analysis Batch: 830141

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-272629-1	ARC-01_20250804	Total/NA	Water	SM 2520B	

Analysis Batch: 830293

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-272629-19	MW-3A_20250804	Total/NA	Water	350.1	830129
MB 500-830129/1-A	Method Blank	Total/NA	Water	350.1	830129
LCS 500-830129/2-A	Lab Control Sample	Total/NA	Water	350.1	830129
500-272629-19 MS	MW-3A_20250804	Total/NA	Water	350.1	830129
500-272629-19 MSD	MW-3A_20250804	Total/NA	Water	350.1	830129

Analysis Batch: 830342

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-272629-5	MW-5SB_20250804	Total/NA	Water	300.0	
500-272629-7	MW-5A_20250804	Total/NA	Water	300.0	
500-272629-17	MW-10_20250804	Total/NA	Water	300.0	
500-272629-19	MW-3A_20250804	Total/NA	Water	300.0	
MB 500-830342/3	Method Blank	Total/NA	Water	300.0	
LCS 500-830342/4	Lab Control Sample	Total/NA	Water	300.0	
500-272629-19 MS	MW-3A_20250804	Total/NA	Water	300.0	
500-272629-19 MSD	MW-3A_20250804	Total/NA	Water	300.0	

Prep Batch: 830493

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-272629-1	ARC-01_20250804	Total/NA	Water	Distill/Ammonia	
500-272629-3	DKC-01_20250804	Total/NA	Water	Distill/Ammonia	
500-272629-5	MW-5SB_20250804	Total/NA	Water	Distill/Ammonia	
500-272629-7	MW-5A_20250804	Total/NA	Water	Distill/Ammonia	
500-272629-9	SBD-01_20250804	Total/NA	Water	Distill/Ammonia	
500-272629-11	SBW-01_20250804	Total/NA	Water	Distill/Ammonia	
500-272629-13	PNC-02_20250804	Total/NA	Water	Distill/Ammonia	
500-272629-15	MLR-02_20250804	Total/NA	Water	Distill/Ammonia	
500-272629-17	MW-10_20250804	Total/NA	Water	Distill/Ammonia	
MB 500-830493/1-A	Method Blank	Total/NA	Water	Distill/Ammonia	
LCS 500-830493/2-A	Lab Control Sample	Total/NA	Water	Distill/Ammonia	

QC Association Summary

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-272629-1

General Chemistry

Analysis Batch: 830724

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-272629-1	ARC-01_20250804	Total/NA	Water	350.1	830493
500-272629-3	DKC-01_20250804	Total/NA	Water	350.1	830493
500-272629-5	MW-5SB_20250804	Total/NA	Water	350.1	830493
500-272629-7	MW-5A_20250804	Total/NA	Water	350.1	830493
500-272629-9	SBD-01_20250804	Total/NA	Water	350.1	830493
500-272629-11	SBW-01_20250804	Total/NA	Water	350.1	830493
500-272629-13	PNC-02_20250804	Total/NA	Water	350.1	830493
500-272629-15	MLR-02_20250804	Total/NA	Water	350.1	830493
500-272629-17	MW-10_20250804	Total/NA	Water	350.1	830493
MB 500-830493/1-A	Method Blank	Total/NA	Water	350.1	830493
LCS 500-830493/2-A	Lab Control Sample	Total/NA	Water	350.1	830493

Method: 1630 - Methyl Mercury

Lab Sample ID: MB 350-8790/1-A
Matrix: Water
Analysis Batch: 8853

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 8790

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	0.0240	J	0.050	0.022	ng/L		08/12/25 11:33	08/12/25 16:39	1

Lab Sample ID: MB 350-8790/2-A
Matrix: Water
Analysis Batch: 8853

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 8790

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	0.0234	J	0.050	0.022	ng/L		08/12/25 11:33	08/12/25 16:50	1

Lab Sample ID: MB 350-8790/3-A
Matrix: Water
Analysis Batch: 8853

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 8790

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		08/12/25 11:33	08/12/25 17:00	1

Lab Sample ID: LCS 350-8790/4-A
Matrix: Water
Analysis Batch: 8853

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 8790

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Methyl Mercury	1.00	0.878		ng/L		88	65 - 135

Lab Sample ID: LCSD 350-8790/5-A
Matrix: Water
Analysis Batch: 8853

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 8790

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Methyl Mercury	1.00	0.907		ng/L		91	65 - 135	3	35

Lab Sample ID: MB 350-8862/1-A
Matrix: Water
Analysis Batch: 8923

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 8862

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		08/14/25 12:07	08/14/25 17:54	1

Lab Sample ID: MB 350-8862/2-A
Matrix: Water
Analysis Batch: 8923

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 8862

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		08/14/25 12:07	08/14/25 18:04	1

Lab Sample ID: MB 350-8862/3-A
Matrix: Water
Analysis Batch: 8923

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 8862

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		08/14/25 12:07	08/14/25 18:15	1

Method: 1630 - Methyl Mercury

Lab Sample ID: LCS 350-8862/4-A
Matrix: Water
Analysis Batch: 8923

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 8862

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Methyl Mercury	1.00	0.876		ng/L		88	65 - 135

Lab Sample ID: LCSD 350-8862/5-A
Matrix: Water
Analysis Batch: 8923

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 8862

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Methyl Mercury	1.00	0.758		ng/L		76	65 - 135	14	35

Lab Sample ID: 500-272629-19 MS
Matrix: Water
Analysis Batch: 8923

Client Sample ID: MW-3A_20250804
Prep Type: Total/NA
Prep Batch: 8862

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Methyl Mercury	<0.022		1.00	0.864		ng/L		86	65 - 135

Lab Sample ID: 500-272629-19 MSD
Matrix: Water
Analysis Batch: 8923

Client Sample ID: MW-3A_20250804
Prep Type: Total/NA
Prep Batch: 8862

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Methyl Mercury	<0.022		1.00	0.901		ng/L		90	65 - 135	4	35

Lab Sample ID: 500-272629-19 MS
Matrix: Water
Analysis Batch: 8923

Client Sample ID: MW-3A_20250804
Prep Type: Dissolved
Prep Batch: 8862

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Methyl Mercury	<0.022		1.00	0.943		ng/L		94	65 - 135

Lab Sample ID: 500-272629-19 MSD
Matrix: Water
Analysis Batch: 8923

Client Sample ID: MW-3A_20250804
Prep Type: Dissolved
Prep Batch: 8862

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Methyl Mercury	<0.022		1.00	0.888		ng/L		89	65 - 135	6	35

Method: 1631E - Mercury, Low Level (CVAFS)

Lab Sample ID: MB 350-8791/24
Matrix: Water
Analysis Batch: 8791

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			08/11/25 12:49	1

Method: 1631E - Mercury, Low Level (CVAFS) (Continued)

Lab Sample ID: MB 350-8791/25
Matrix: Water
Analysis Batch: 8791

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			08/11/25 12:53	1

Lab Sample ID: MB 350-8791/26
Matrix: Water
Analysis Batch: 8791

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			08/11/25 12:57	1

Lab Sample ID: MB 350-8791/27
Matrix: Water
Analysis Batch: 8791

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			08/11/25 13:02	1

Lab Sample ID: MB 350-8791/28
Matrix: Water
Analysis Batch: 8791

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			08/11/25 13:06	1

Lab Sample ID: MB 350-8791/29
Matrix: Water
Analysis Batch: 8791

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			08/11/25 13:10	1

Lab Sample ID: LCS 350-8791/110
Matrix: Water
Analysis Batch: 8791

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	5.00	5.15		ng/L		103	77 - 123

Lab Sample ID: LCS 350-8791/80
Matrix: Water
Analysis Batch: 8791

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	5.00	5.47		ng/L		109	77 - 123

Lab Sample ID: LCSD 350-8791/111
Matrix: Water
Analysis Batch: 8791

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	5.00	4.56		ng/L		91	77 - 123	12	24

Method: 1631E - Mercury, Low Level (CVAFS)

Lab Sample ID: LCSD 350-8791/83
Matrix: Water
Analysis Batch: 8791

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury			5.00	5.38		ng/L		108	77 - 123	2	24

Lab Sample ID: 500-272629-20 MS
Matrix: Water
Analysis Batch: 8791

Client Sample ID: MW-3A_20250804_FBLL
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury	0.22	J	25.0	26.1		ng/L		103	71 - 125		

Lab Sample ID: 500-272629-20 MSD
Matrix: Water
Analysis Batch: 8791

Client Sample ID: MW-3A_20250804_FBLL
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	0.22	J	25.0	26.3		ng/L		104	71 - 125	1	24

Lab Sample ID: MB 350-8925/36
Matrix: Water
Analysis Batch: 8925

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			08/14/25 14:20	1

Lab Sample ID: MB 350-8925/37
Matrix: Water
Analysis Batch: 8925

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			08/14/25 14:24	1

Lab Sample ID: MB 350-8925/38
Matrix: Water
Analysis Batch: 8925

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			08/14/25 14:29	1

Lab Sample ID: LCS 350-8925/46
Matrix: Water
Analysis Batch: 8925

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury			5.00	4.48		ng/L		90	77 - 123		

Lab Sample ID: LCSD 350-8925/47
Matrix: Water
Analysis Batch: 8925

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury			5.00	4.46		ng/L		89	77 - 123	0	24

Method: 1631E - Mercury, Low Level (CVAFS)

Lab Sample ID: 500-272629-19 MS
Matrix: Water
Analysis Batch: 8925

Client Sample ID: MW-3A_20250804
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.47	J	5.00	4.71		ng/L		85	71 - 125

Lab Sample ID: 500-272629-19 MSD
Matrix: Water
Analysis Batch: 8925

Client Sample ID: MW-3A_20250804
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	0.47	J	5.00	4.70		ng/L		85	71 - 125	0	24

Lab Sample ID: 500-272629-19 MS
Matrix: Water
Analysis Batch: 8925

Client Sample ID: MW-3A_20250804
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.36	J	5.00	4.58		ng/L		84	71 - 125

Lab Sample ID: 500-272629-19 MSD
Matrix: Water
Analysis Batch: 8925

Client Sample ID: MW-3A_20250804
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	0.36	J	5.00	4.71		ng/L		87	71 - 125	3	24

Method: 1638 - Metals (ICP/MS)

Lab Sample ID: MB 350-8890/1-A
Matrix: Water
Analysis Batch: 8987

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 8890

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	<0.0098		0.050	0.0098	ug/L		08/15/25 13:12	08/18/25 13:07	1

Lab Sample ID: MB 350-8890/2-A
Matrix: Water
Analysis Batch: 8987

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 8890

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	<0.0098		0.050	0.0098	ug/L		08/15/25 13:12	08/18/25 13:11	1

Lab Sample ID: LCS 350-8890/3-A
Matrix: Water
Analysis Batch: 8987

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 8890

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Uranium	50.0	49.9		ug/L		100	85 - 115

Method: 1638 - Metals (ICP/MS) (Continued)

Lab Sample ID: LCSD 350-8890/4-A
Matrix: Water
Analysis Batch: 8987

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 8890

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Uranium			50.0	49.8		ug/L		100	85 - 115	0	20

Lab Sample ID: MB 350-8891/1-A
Matrix: Water
Analysis Batch: 8987

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 8891

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	<0.0098		0.050	0.0098	ug/L		08/15/25 13:12	08/18/25 15:06	1

Lab Sample ID: MB 350-8891/2-A
Matrix: Water
Analysis Batch: 8987

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 8891

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	<0.0098		0.050	0.0098	ug/L		08/15/25 13:12	08/18/25 15:18	1

Lab Sample ID: LCS 350-8891/3-A
Matrix: Water
Analysis Batch: 8987

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 8891

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Uranium			50.0	50.9		ug/L		102	85 - 115		

Lab Sample ID: LCSD 350-8891/4-A
Matrix: Water
Analysis Batch: 8987

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 8891

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Uranium			50.0	51.8		ug/L		104	85 - 115	2	20

Lab Sample ID: 500-272629-1 MS
Matrix: Water
Analysis Batch: 8987

Client Sample ID: ARC-01_20250804
Prep Type: Total Recoverable
Prep Batch: 8891

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Uranium	0.056		50.0	52.7		ug/L		105	70 - 130		

Lab Sample ID: 500-272629-1 MSD
Matrix: Water
Analysis Batch: 8987

Client Sample ID: ARC-01_20250804
Prep Type: Total Recoverable
Prep Batch: 8891

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Uranium	0.056		50.0	53.5		ug/L		107	70 - 130	2	20

Lab Sample ID: 500-272629-19 MS
Matrix: Water
Analysis Batch: 8987

Client Sample ID: MW-3A_20250804
Prep Type: Total Recoverable
Prep Batch: 8891

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Uranium	9.0		50.0	63.0		ug/L		108	70 - 130		

Method: 1638 - Metals (ICP/MS)

Lab Sample ID: 500-272629-19 MSD
Matrix: Water
Analysis Batch: 8987

Client Sample ID: MW-3A_20250804
Prep Type: Total Recoverable
Prep Batch: 8891

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Uranium	9.0		50.0	64.4		ug/L		111	70 - 130	2	20

Lab Sample ID: 500-272629-1 MS
Matrix: Water
Analysis Batch: 8987

Client Sample ID: ARC-01_20250804
Prep Type: Dissolved
Prep Batch: 8890

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Uranium	0.047	J	50.0	51.3		ug/L		102	70 - 130

Lab Sample ID: 500-272629-1 MSD
Matrix: Water
Analysis Batch: 8987

Client Sample ID: ARC-01_20250804
Prep Type: Dissolved
Prep Batch: 8890

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Uranium	0.047	J	50.0	52.4		ug/L		105	70 - 130	2	20

Lab Sample ID: 500-272629-19 MS
Matrix: Water
Analysis Batch: 8987

Client Sample ID: MW-3A_20250804
Prep Type: Dissolved
Prep Batch: 8890

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Uranium	10		50.0	65.5		ug/L		110	70 - 130

Lab Sample ID: 500-272629-19 MSD
Matrix: Water
Analysis Batch: 8987

Client Sample ID: MW-3A_20250804
Prep Type: Dissolved
Prep Batch: 8890

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Uranium	10		50.0	64.7		ug/L		109	70 - 130	1	20

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 500-829027/1-A
Matrix: Water
Analysis Batch: 830406

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 829027

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<25		100	25	ug/L		08/07/25 08:13	08/15/25 15:40	1
Antimony	<1.3		3.0	1.3	ug/L		08/07/25 08:13	08/15/25 15:40	1
Arsenic	<0.23		1.0	0.23	ug/L		08/07/25 08:13	08/15/25 15:40	1
Barium	<0.73		2.5	0.73	ug/L		08/07/25 08:13	08/15/25 15:40	1
Beryllium	<0.53	^1+	1.0	0.53	ug/L		08/07/25 08:13	08/15/25 15:40	1
Cadmium	<0.17		0.50	0.17	ug/L		08/07/25 08:13	08/15/25 15:40	1
Calcium	<44		200	44	ug/L		08/07/25 08:13	08/15/25 15:40	1
Chromium	<1.1		5.0	1.1	ug/L		08/07/25 08:13	08/15/25 15:40	1
Cobalt	<0.40		1.0	0.40	ug/L		08/07/25 08:13	08/15/25 15:40	1
Copper	<0.50		2.0	0.50	ug/L		08/07/25 08:13	08/15/25 15:40	1
Iron	<47		100	47	ug/L		08/07/25 08:13	08/15/25 15:40	1
Lead	<0.19		0.50	0.19	ug/L		08/07/25 08:13	08/15/25 15:40	1
Lithium	<2.5		10	2.5	ug/L		08/07/25 08:13	08/15/25 15:40	1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 500-829027/1-A
Matrix: Water
Analysis Batch: 830406

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 829027

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	<49		200	49	ug/L		08/07/25 08:13	08/15/25 15:40	1
Manganese	<0.79		2.5	0.79	ug/L		08/07/25 08:13	08/15/25 15:40	1
Molybdenum	<2.5		5.0	2.5	ug/L		08/07/25 08:13	08/15/25 15:40	1
Nickel	<0.63		2.0	0.63	ug/L		08/07/25 08:13	08/15/25 15:40	1
Potassium	<110		500	110	ug/L		08/07/25 08:13	08/15/25 15:40	1
Selenium	<0.98		2.5	0.98	ug/L		08/07/25 08:13	08/15/25 15:40	1
Silver	<0.12		0.50	0.12	ug/L		08/07/25 08:13	08/15/25 15:40	1
Sodium	<77		200	77	ug/L		08/07/25 08:13	08/15/25 15:40	1
Strontium	<0.64		4.0	0.64	ug/L		08/07/25 08:13	08/15/25 15:40	1
Thallium	<0.57		2.0	0.57	ug/L		08/07/25 08:13	08/15/25 15:40	1
Tin	<1.3		5.0	1.3	ug/L		08/07/25 08:13	08/15/25 15:40	1
Vanadium	<2.2		5.0	2.2	ug/L		08/07/25 08:13	08/15/25 15:40	1
Zinc	<6.9		20	6.9	ug/L		08/07/25 08:13	08/15/25 15:40	1

Lab Sample ID: MB 500-829027/1-A
Matrix: Water
Analysis Batch: 830559

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 829027

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	33.8	J	50	13	ug/L		08/07/25 08:13	08/18/25 14:53	1

Lab Sample ID: LCS 500-829027/2-A
Matrix: Water
Analysis Batch: 830406

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 829027

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	2000	1900		ug/L		95	80 - 120
Antimony	500	525		ug/L		105	80 - 120
Arsenic	100	96.3		ug/L		96	80 - 120
Barium	500	495		ug/L		99	80 - 120
Beryllium	50.0	49.4	^1+	ug/L		99	80 - 120
Cadmium	50.0	50.3		ug/L		101	80 - 120
Calcium	10000	8290		ug/L		83	80 - 120
Chromium	200	193		ug/L		96	80 - 120
Cobalt	500	518		ug/L		104	80 - 120
Copper	250	251		ug/L		100	80 - 120
Iron	1000	1090		ug/L		109	80 - 120
Lead	100	104		ug/L		104	80 - 120
Lithium	100	107		ug/L		107	80 - 120
Magnesium	10000	10800		ug/L		108	80 - 120
Manganese	500	503		ug/L		101	80 - 120
Molybdenum	1000	1020		ug/L		102	80 - 120
Nickel	500	494		ug/L		99	80 - 120
Potassium	10000	10700		ug/L		107	80 - 120
Selenium	100	98.3		ug/L		98	80 - 120
Silver	50.0	51.4		ug/L		103	80 - 120
Sodium	10000	10700		ug/L		107	80 - 120
Strontium	1000	1020		ug/L		102	80 - 120
Thallium	100	107		ug/L		107	80 - 120

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 500-829027/2-A
Matrix: Water
Analysis Batch: 830406

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 829027

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Tin	1000	1020		ug/L		102	80 - 120
Vanadium	500	506		ug/L		101	80 - 120
Zinc	500	492		ug/L		98	80 - 120

Lab Sample ID: LCS 500-829027/2-A
Matrix: Water
Analysis Batch: 830559

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 829027

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	1000	1010		ug/L		101	80 - 120

Lab Sample ID: 500-272629-19 MS
Matrix: Water
Analysis Batch: 830406

Client Sample ID: MW-3A_20250804
Prep Type: Total Recoverable
Prep Batch: 829027

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	<25		2000	1880		ug/L		94	75 - 125
Antimony	<1.3		500	531		ug/L		106	75 - 125
Arsenic	2.1		100	98.5		ug/L		96	75 - 125
Barium	990		500	1500		ug/L		102	75 - 125
Beryllium	<0.53	^1+	50.0	48.4	^1+	ug/L		97	75 - 125
Boron	370	B	1000	1340		ug/L		98	75 - 125
Cadmium	<0.17		50.0	48.9		ug/L		98	75 - 125
Chromium	<1.1		200	189		ug/L		94	75 - 125
Cobalt	1.8		500	494		ug/L		98	75 - 125
Copper	0.51	J	250	232		ug/L		93	75 - 125
Iron	8200		1000	9310	4	ug/L		107	75 - 125
Lead	<0.19		100	98.4		ug/L		98	75 - 125
Lithium	86		100	190		ug/L		104	75 - 125
Magnesium	54000		10000	63800	4	ug/L		99	75 - 125
Molybdenum	2.6	J	1000	1040		ug/L		103	75 - 125
Nickel	2.3		500	481		ug/L		96	75 - 125
Potassium	1900		10000	12600		ug/L		107	75 - 125
Selenium	<0.98		100	95.0		ug/L		95	75 - 125
Silver	<0.12		50.0	49.8		ug/L		100	75 - 125
Sodium	160000		10000	168000	4	ug/L		108	75 - 125
Thallium	<0.57		100	102		ug/L		102	75 - 125
Tin	<1.3		1000	1040		ug/L		104	75 - 125
Vanadium	<2.2		500	500		ug/L		100	75 - 125
Zinc	<6.9		500	476		ug/L		95	75 - 125

Lab Sample ID: 500-272629-19 MS
Matrix: Water
Analysis Batch: 830559

Client Sample ID: MW-3A_20250804
Prep Type: Total Recoverable
Prep Batch: 829027

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Calcium	240000		10000	252000	4	ug/L		110	75 - 125
Manganese	4700		500	5280	4	ug/L		119	75 - 125
Strontium	5000		1000	5960	4	ug/L		97	75 - 125

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 500-272629-19 MSD
Matrix: Water
Analysis Batch: 830406

Client Sample ID: MW-3A_20250804
Prep Type: Total Recoverable
Prep Batch: 829027

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum	<25		2000	1880		ug/L		94	75 - 125	0	20
Antimony	<1.3		500	531		ug/L		106	75 - 125	0	20
Arsenic	2.1		100	99.5		ug/L		97	75 - 125	1	20
Barium	990		500	1540		ug/L		110	75 - 125	3	20
Beryllium	<0.53	^1+	50.0	48.9	^1+	ug/L		98	75 - 125	1	20
Boron	370	B	1000	1350		ug/L		99	75 - 125	1	20
Cadmium	<0.17		50.0	49.5		ug/L		99	75 - 125	1	20
Chromium	<1.1		200	189		ug/L		94	75 - 125	0	20
Cobalt	1.8		500	496		ug/L		99	75 - 125	1	20
Copper	0.51	J	250	233		ug/L		93	75 - 125	0	20
Iron	8200		1000	9380	4	ug/L		114	75 - 125	1	20
Lead	<0.19		100	98.4		ug/L		98	75 - 125	0	20
Lithium	86		100	193		ug/L		107	75 - 125	2	20
Magnesium	54000		10000	64300	4	ug/L		103	75 - 125	1	20
Molybdenum	2.6	J	1000	1040		ug/L		104	75 - 125	0	20
Nickel	2.3		500	483		ug/L		96	75 - 125	0	20
Potassium	1900		10000	12600		ug/L		107	75 - 125	1	20
Selenium	<0.98		100	97.9		ug/L		98	75 - 125	3	20
Silver	<0.12		50.0	50.0		ug/L		100	75 - 125	0	20
Sodium	160000		10000	167000	4	ug/L		102	75 - 125	0	20
Thallium	<0.57		100	101		ug/L		101	75 - 125	0	20
Tin	<1.3		1000	1040		ug/L		104	75 - 125	0	20
Vanadium	<2.2		500	501		ug/L		100	75 - 125	0	20
Zinc	<6.9		500	478		ug/L		96	75 - 125	0	20

Lab Sample ID: 500-272629-19 MSD
Matrix: Water
Analysis Batch: 830559

Client Sample ID: MW-3A_20250804
Prep Type: Total Recoverable
Prep Batch: 829027

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Calcium	240000		10000	253000	4	ug/L		119	75 - 125	0	20
Manganese	4700		500	5270	4	ug/L		116	75 - 125	0	20
Strontium	5000		1000	6080	4	ug/L		109	75 - 125	2	20

Lab Sample ID: 500-272629-19 DU
Matrix: Water
Analysis Batch: 830406

Client Sample ID: MW-3A_20250804
Prep Type: Total Recoverable
Prep Batch: 829027

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Aluminum	<25			<25		ug/L				NC	20
Antimony	<1.3			<1.3		ug/L				NC	20
Arsenic	2.1			1.98		ug/L				4	20
Barium	990			990		ug/L				0.2	20
Boron	370	B		371		ug/L				0.8	20
Cadmium	<0.17			<0.17		ug/L				NC	20
Chromium	<1.1			<1.1		ug/L				NC	20
Cobalt	1.8			1.93		ug/L				4	20
Copper	0.51	J		0.513	J	ug/L				0.2	20
Iron	8200			8400		ug/L				2	20

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 500-272629-19 DU
Matrix: Water
Analysis Batch: 830406

Client Sample ID: MW-3A_20250804
Prep Type: Total Recoverable
Prep Batch: 829027

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Lead	<0.19		<0.19		ug/L		NC	20
Lithium	86		89.7		ug/L		5	20
Magnesium	54000		54500		ug/L		0.9	20
Molybdenum	2.6	J	2.67	J	ug/L		1	20
Nickel	2.3		2.47		ug/L		5	20
Potassium	1900		1900		ug/L		0.4	20
Selenium	<0.98		<0.98		ug/L		NC	20
Silver	<0.12		<0.12		ug/L		NC	20
Sodium	160000		159000		ug/L		1	20
Thallium	<0.57		<0.57		ug/L		NC	20
Tin	<1.3		<1.3		ug/L		NC	20
Vanadium	<2.2		<2.2		ug/L		NC	20
Zinc	<6.9		<6.9		ug/L		NC	20

Lab Sample ID: 500-272629-19 DU
Matrix: Water
Analysis Batch: 830559

Client Sample ID: MW-3A_20250804
Prep Type: Total Recoverable
Prep Batch: 829027

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Calcium	240000		247000		ug/L		2	20
Manganese	4700		4790		ug/L		2	20
Strontium	5000		5040		ug/L		1	20

Lab Sample ID: 500-272629-19 MS
Matrix: Water
Analysis Batch: 830406

Client Sample ID: MW-3A_20250804
Prep Type: Dissolved
Prep Batch: 829027

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	<25		2000	1870		ug/L		93	75 - 125
Antimony	<1.3		500	532		ug/L		106	75 - 125
Arsenic	1.7		100	98.1		ug/L		96	75 - 125
Barium	1000		500	1540		ug/L		100	75 - 125
Beryllium	<0.53	^1+	50.0	49.9	^1+	ug/L		100	75 - 125
Cadmium	<0.17		50.0	49.6		ug/L		99	75 - 125
Chromium	<1.1		200	190		ug/L		95	75 - 125
Cobalt	1.3		500	494		ug/L		99	75 - 125
Copper	<0.50		250	232		ug/L		93	75 - 125
Iron	8200		1000	9290	4	ug/L		113	75 - 125
Lead	<0.19		100	98.7		ug/L		99	75 - 125
Lithium	85		100	189		ug/L		105	75 - 125
Magnesium	60000		10000	68100	4	ug/L		78	75 - 125
Manganese	3600		500	4300	4	ug/L		131	75 - 125
Molybdenum	<2.5		1000	1040		ug/L		104	75 - 125
Nickel	1.5	J	500	484		ug/L		97	75 - 125
Potassium	2300		10000	12800		ug/L		105	75 - 125
Selenium	<0.98		100	98.1		ug/L		98	75 - 125
Silver	<0.12		50.0	50.2		ug/L		100	75 - 125
Sodium	150000		10000	160000	4	ug/L		122	75 - 125
Thallium	<0.57		100	102		ug/L		102	75 - 125

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 500-272629-19 MS
Matrix: Water
Analysis Batch: 830406

Client Sample ID: MW-3A_20250804
Prep Type: Dissolved
Prep Batch: 829027

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Tin	<1.3		1000	1040		ug/L		104	75 - 125
Vanadium	<2.2		500	500		ug/L		100	75 - 125
Zinc	<6.9		500	478		ug/L		96	75 - 125

Lab Sample ID: 500-272629-19 MS
Matrix: Water
Analysis Batch: 830559

Client Sample ID: MW-3A_20250804
Prep Type: Dissolved
Prep Batch: 829027

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Calcium	250000		10000	262000	4	ug/L		70	75 - 125
Strontium	5200		1000	6130	4	ug/L		93	75 - 125

Lab Sample ID: 500-272629-19 MS
Matrix: Water
Analysis Batch: 830559

Client Sample ID: MW-3A_20250804
Prep Type: Dissolved
Prep Batch: 829027

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	360	B	1000	1360		ug/L		100	75 - 125

Lab Sample ID: 500-272629-19 MSD
Matrix: Water
Analysis Batch: 830406

Client Sample ID: MW-3A_20250804
Prep Type: Dissolved
Prep Batch: 829027

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum	<25		2000	1880		ug/L		94	75 - 125	1	20
Antimony	<1.3		500	532		ug/L		106	75 - 125	0	20
Arsenic	1.7		100	98.7		ug/L		97	75 - 125	1	20
Barium	1000		500	1550		ug/L		101	75 - 125	0	20
Beryllium	<0.53	^1+	50.0	49.3	^1+	ug/L		99	75 - 125	1	20
Cadmium	<0.17		50.0	49.1		ug/L		98	75 - 125	1	20
Chromium	<1.1		200	190		ug/L		95	75 - 125	0	20
Cobalt	1.3		500	500		ug/L		100	75 - 125	1	20
Copper	<0.50		250	232		ug/L		93	75 - 125	0	20
Iron	8200		1000	9300	4	ug/L		115	75 - 125	0	20
Lead	<0.19		100	99.5		ug/L		99	75 - 125	1	20
Lithium	85		100	190		ug/L		105	75 - 125	0	20
Magnesium	60000		10000	70400	4	ug/L		102	75 - 125	3	20
Manganese	3600		500	4220	4	ug/L		116	75 - 125	2	20
Molybdenum	<2.5		1000	1040		ug/L		104	75 - 125	0	20
Nickel	1.5	J	500	481		ug/L		96	75 - 125	1	20
Potassium	2300		10000	12900		ug/L		107	75 - 125	1	20
Selenium	<0.98		100	99.0		ug/L		99	75 - 125	1	20
Silver	<0.12		50.0	50.1		ug/L		100	75 - 125	0	20
Sodium	150000		10000	160000	4	ug/L		119	75 - 125	0	20
Thallium	<0.57		100	103		ug/L		103	75 - 125	1	20
Tin	<1.3		1000	1040		ug/L		104	75 - 125	0	20
Vanadium	<2.2		500	510		ug/L		102	75 - 125	2	20
Zinc	<6.9		500	478		ug/L		96	75 - 125	0	20

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 500-272629-19 MSD
Matrix: Water
Analysis Batch: 830559

Client Sample ID: MW-3A_20250804
Prep Type: Dissolved
Prep Batch: 829027

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Calcium	250000		10000	263000	4	ug/L		79	75 - 125	0	20
Strontium	5200		1000	6170	4	ug/L		97	75 - 125	1	20

Lab Sample ID: 500-272629-19 MSD
Matrix: Water
Analysis Batch: 830559

Client Sample ID: MW-3A_20250804
Prep Type: Dissolved
Prep Batch: 829027

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Boron	360	B	1000	1370		ug/L		101	75 - 125	1	20

Lab Sample ID: 500-272629-19 DU
Matrix: Water
Analysis Batch: 830406

Client Sample ID: MW-3A_20250804
Prep Type: Dissolved
Prep Batch: 829027

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Aluminum	<25		<25		ug/L		NC	20
Antimony	<1.3		<1.3		ug/L		NC	20
Arsenic	1.7		1.68		ug/L		0.9	20
Barium	1000		1010		ug/L		3	20
Beryllium	<0.53	^1+	<0.53	^1+	ug/L		NC	20
Cadmium	<0.17		<0.17		ug/L		NC	20
Chromium	<1.1		<1.1		ug/L		NC	20
Cobalt	1.3		1.25		ug/L		3	20
Copper	<0.50		<0.50		ug/L		NC	20
Iron	8200		8020		ug/L		2	20
Lead	<0.19		<0.19		ug/L		NC	20
Lithium	85		84.1		ug/L		0.5	20
Magnesium	60000		59700		ug/L		1	20
Manganese	3600		3580		ug/L		2	20
Molybdenum	<2.5		<2.5		ug/L		NC	20
Nickel	1.5	J	1.59	J	ug/L		7	20
Potassium	2300		2230		ug/L		1	20
Selenium	<0.98		<0.98		ug/L		NC	20
Silver	<0.12		<0.12		ug/L		NC	20
Sodium	150000		145000		ug/L		2	20
Thallium	<0.57		<0.57		ug/L		NC	20
Tin	<1.3		<1.3		ug/L		NC	20
Vanadium	<2.2		<2.2		ug/L		NC	20
Zinc	<6.9		<6.9		ug/L		NC	20

Lab Sample ID: 500-272629-19 DU
Matrix: Water
Analysis Batch: 830559

Client Sample ID: MW-3A_20250804
Prep Type: Dissolved
Prep Batch: 829027

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Calcium	250000		248000		ug/L		3	20
Strontium	5200		4990		ug/L		4	20

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 500-272629-19 DU
Matrix: Water
Analysis Batch: 830559

Client Sample ID: MW-3A_20250804
Prep Type: Dissolved
Prep Batch: 829027

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Boron	360	B	348		ug/L		4	20

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 500-828874/3
Matrix: Water
Analysis Batch: 828874

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	<0.37		1.0	0.37	mg/L			08/06/25 09:12	1
Nitrite as N	<0.25		1.0	0.25	mg/L			08/06/25 09:12	1
Nitrate Nitrite as N	<0.37		1.0	0.37	mg/L			08/06/25 09:12	1

Lab Sample ID: LCS 500-828874/4
Matrix: Water
Analysis Batch: 828874

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate as N	20.0	21.1		mg/L		106	90 - 110
Nitrite as N	20.0	20.9		mg/L		105	90 - 110
Nitrate Nitrite as N	40.0	42.0		mg/L		105	90 - 110

Lab Sample ID: 500-272629-19 MS
Matrix: Water
Analysis Batch: 828874

Client Sample ID: MW-3A_20250804
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate as N	<0.37		2.26	1.82		mg/L		81	80 - 120
Nitrite as N	3.5	F1	3.03	7.60	F1	mg/L		137	80 - 120
Nitrate Nitrite as N	3.5		5.29	9.42		mg/L		112	80 - 120

Lab Sample ID: 500-272629-19 MSD
Matrix: Water
Analysis Batch: 828874

Client Sample ID: MW-3A_20250804
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrate as N	<0.37		2.26	1.82		mg/L		80	80 - 120	0	20
Nitrite as N	3.5	F1	3.03	7.54	F1	mg/L		135	80 - 120	1	20
Nitrate Nitrite as N	3.5		5.29	9.36		mg/L		111	80 - 120	1	20

Lab Sample ID: MB 500-828881/3
Matrix: Water
Analysis Batch: 828881

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	<0.45		1.0	0.45	mg/L			08/06/25 23:34	1
Chloride	<0.42		1.0	0.42	mg/L			08/06/25 23:34	1
Fluoride	<0.43		1.0	0.43	mg/L			08/06/25 23:34	1
Sulfate	<0.47		1.0	0.47	mg/L			08/06/25 23:34	1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 500-828881/4
Matrix: Water
Analysis Batch: 828881

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bromide	20.0	19.0		mg/L		95	90 - 110
Chloride	20.0	19.6		mg/L		98	90 - 110
Fluoride	20.0	19.9		mg/L		100	90 - 110
Sulfate	20.0	21.1		mg/L		105	90 - 110

Lab Sample ID: 500-272629-19 MS
Matrix: Water
Analysis Batch: 828881

Client Sample ID: MW-3A_20250804
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Bromide	5.8		10.0	16.6		mg/L		109	80 - 120
Fluoride	<0.43		10.0	10.5		mg/L		105	80 - 120
Sulfate	1.3		10.0	11.8		mg/L		105	80 - 120

Lab Sample ID: 500-272629-19 MSD
Matrix: Water
Analysis Batch: 828881

Client Sample ID: MW-3A_20250804
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Bromide	5.8		10.0	16.6		mg/L		108	80 - 120	0	20
Fluoride	<0.43		10.0	10.5		mg/L		105	80 - 120	0	20
Sulfate	1.3		10.0	11.9		mg/L		106	80 - 120	1	20

Lab Sample ID: MB 500-830342/3
Matrix: Water
Analysis Batch: 830342

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.42		1.0	0.42	mg/L			08/16/25 19:05	1

Lab Sample ID: LCS 500-830342/4
Matrix: Water
Analysis Batch: 830342

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	100	100		mg/L		100	90 - 110

Lab Sample ID: 500-272629-19 MS
Matrix: Water
Analysis Batch: 830342

Client Sample ID: MW-3A_20250804
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	540		100	622	4	mg/L		79	80 - 120

Lab Sample ID: 500-272629-19 MSD
Matrix: Water
Analysis Batch: 830342

Client Sample ID: MW-3A_20250804
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	540		100	617	4	mg/L		74	80 - 120	1	20

Method: 335.4 - Cyanide, Total

Lab Sample ID: MB 500-829529/1-A
Matrix: Water
Analysis Batch: 829581

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 829529

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.0036		0.0050	0.0036	mg/L		08/11/25 14:11	08/11/25 16:58	1

Lab Sample ID: LCS 500-829529/2-A
Matrix: Water
Analysis Batch: 829581

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 829529

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.100	0.0900		mg/L		90	90 - 110

Lab Sample ID: 500-272629-5 MS
Matrix: Water
Analysis Batch: 829581

Client Sample ID: MW-5SB_20250804
Prep Type: Total/NA
Prep Batch: 829529

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	<0.0036	F1	0.100	0.0920		mg/L		92	90 - 110

Lab Sample ID: 500-272629-5 MSD
Matrix: Water
Analysis Batch: 829581

Client Sample ID: MW-5SB_20250804
Prep Type: Total/NA
Prep Batch: 829529

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Cyanide, Total	<0.0036	F1	0.100	0.0870	F1	mg/L		87	90 - 110	6	20

Lab Sample ID: MB 500-829530/1-A
Matrix: Water
Analysis Batch: 829708

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 829530

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.0036		0.0050	0.0036	mg/L		08/11/25 14:30	08/12/25 11:53	1

Lab Sample ID: LCS 500-829530/2-A
Matrix: Water
Analysis Batch: 829708

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 829530

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.100	0.0920		mg/L		92	90 - 110

Lab Sample ID: 500-272629-19 MS
Matrix: Water
Analysis Batch: 829708

Client Sample ID: MW-3A_20250804
Prep Type: Total/NA
Prep Batch: 829530

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	<0.0036	F1	0.100	0.0820	F1	mg/L		82	90 - 110

Lab Sample ID: 500-272629-19 MSD
Matrix: Water
Analysis Batch: 829708

Client Sample ID: MW-3A_20250804
Prep Type: Total/NA
Prep Batch: 829530

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Cyanide, Total	<0.0036	F1	0.100	0.0880	F1	mg/L		88	90 - 110	7	20

Method: 350.1 - Nitrogen, Ammonia

Lab Sample ID: MB 500-830129/1-A
Matrix: Water
Analysis Batch: 830293

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 830129

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	<0.10		0.20	0.10	mg/L		08/14/25 15:12	08/15/25 09:48	1

Lab Sample ID: LCS 500-830129/2-A
Matrix: Water
Analysis Batch: 830293

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 830129

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ammonia	2.00	1.95		mg/L		97	90 - 110

Lab Sample ID: 500-272629-19 MS
Matrix: Water
Analysis Batch: 830293

Client Sample ID: MW-3A_20250804
Prep Type: Total/NA
Prep Batch: 830129

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ammonia	<0.10		2.00	1.99		mg/L		99	90 - 110

Lab Sample ID: 500-272629-19 MSD
Matrix: Water
Analysis Batch: 830293

Client Sample ID: MW-3A_20250804
Prep Type: Total/NA
Prep Batch: 830129

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Ammonia	<0.10		2.00	1.98		mg/L		99	90 - 110	0	20

Lab Sample ID: MB 500-830493/1-A
Matrix: Water
Analysis Batch: 830724

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 830493

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	<0.10		0.20	0.10	mg/L		08/18/25 14:55	08/19/25 17:01	1

Lab Sample ID: LCS 500-830493/2-A
Matrix: Water
Analysis Batch: 830724

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 830493

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ammonia	2.00	1.97		mg/L		99	90 - 110

Method: 365.1 - Phosphorus, Total

Lab Sample ID: MB 500-829056/1-A
Matrix: Water
Analysis Batch: 829276

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 829056

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phosphorus as P	<0.024		0.050	0.024	mg/L		08/07/25 09:08	08/08/25 10:18	1

Method: 365.1 - Phosphorus, Total (Continued)

Lab Sample ID: LCS 500-829056/2-A
Matrix: Water
Analysis Batch: 829276

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 829056

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Phosphorus as P			1.00	0.951		mg/L		95	88 - 123		

Lab Sample ID: 500-272629-19 MS
Matrix: Water
Analysis Batch: 829276

Client Sample ID: MW-3A_20250804
Prep Type: Total/NA
Prep Batch: 829056

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Phosphorus as P	<0.024		1.00	0.920		mg/L		92	75 - 125		

Lab Sample ID: 500-272629-19 MSD
Matrix: Water
Analysis Batch: 829276

Client Sample ID: MW-3A_20250804
Prep Type: Total/NA
Prep Batch: 829056

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Phosphorus as P	<0.024		1.00	1.01		mg/L		101	75 - 125	9	20

Lab Sample ID: MB 500-829284/1-A
Matrix: Water
Analysis Batch: 829787

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 829284

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phosphorus as P	0.0480	J	0.050	0.024	mg/L		08/08/25 11:35	08/12/25 17:38	1

Lab Sample ID: LCS 500-829284/2-A
Matrix: Water
Analysis Batch: 829787

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 829284

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Phosphorus as P			1.00	0.988		mg/L		99	88 - 123		

Lab Sample ID: 500-272629-3 MS
Matrix: Water
Analysis Batch: 829787

Client Sample ID: DKC-01_20250804
Prep Type: Total/NA
Prep Batch: 829284

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Phosphorus as P	0.033	J B	1.00	0.990		mg/L		96	75 - 125		

Lab Sample ID: 500-272629-3 MSD
Matrix: Water
Analysis Batch: 829787

Client Sample ID: DKC-01_20250804
Prep Type: Total/NA
Prep Batch: 829284

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Phosphorus as P	0.033	J B	1.00	1.00		mg/L		97	75 - 125	1	20

Method: SM 2320B - Alkalinity

Lab Sample ID: MB 500-829399/28
Matrix: Water
Analysis Batch: 829399

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	<3.7		5.0	3.7	mg/L			08/10/25 12:06	1
Bicarbonate Alkalinity as CaCO3	<3.7		5.0	3.7	mg/L			08/10/25 12:06	1
Carbonate Alkalinity as CaCO3	<3.7		5.0	3.7	mg/L			08/10/25 12:06	1

Lab Sample ID: MB 500-829399/3
Matrix: Water
Analysis Batch: 829399

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	<3.7		5.0	3.7	mg/L			08/10/25 08:34	1
Bicarbonate Alkalinity as CaCO3	<3.7		5.0	3.7	mg/L			08/10/25 08:34	1
Carbonate Alkalinity as CaCO3	<3.7		5.0	3.7	mg/L			08/10/25 08:34	1

Lab Sample ID: LCS 500-829399/29
Matrix: Water
Analysis Batch: 829399

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Alkalinity			100	108		mg/L		108	95 - 121		

Lab Sample ID: LCS 500-829399/4
Matrix: Water
Analysis Batch: 829399

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Alkalinity			100	113		mg/L		113	95 - 121		

Lab Sample ID: 500-272629-7 DU
Matrix: Water
Analysis Batch: 829399

Client Sample ID: MW-5A_20250804
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Alkalinity	350			354		mg/L				0	20
Bicarbonate Alkalinity as CaCO3	350			354		mg/L				0	20
Carbonate Alkalinity as CaCO3	<3.7			<3.7		mg/L				NC	20

Method: SM 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 500-829094/1
Matrix: Water
Analysis Batch: 829094

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<4.3		10	4.3	mg/L			08/07/25 08:11	1

Method: SM 2540C - Solids, Total Dissolved (TDS) (Continued)

Lab Sample ID: LCS 500-829094/2
Matrix: Water
Analysis Batch: 829094

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Dissolved Solids			250	234		mg/L		94	80 - 120		

Lab Sample ID: 500-272629-19 MS
Matrix: Water
Analysis Batch: 829094

Client Sample ID: MW-3A_20250804
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Dissolved Solids	1500		250	1830	4	mg/L		125	75 - 125		

Lab Sample ID: 500-272629-19 MSD
Matrix: Water
Analysis Batch: 829094

Client Sample ID: MW-3A_20250804
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Dissolved Solids	1500		250	1770	4	mg/L		100	75 - 125	3	20

Lab Sample ID: 500-272629-17 DU
Matrix: Water
Analysis Batch: 829094

Client Sample ID: MW-10_20250804
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	1700			1730		mg/L				3	5

Method: SM 2540D - Solids, Total Suspended (TSS)

Lab Sample ID: MB 500-829006/1
Matrix: Water
Analysis Batch: 829006

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	<1.9		5.0	1.9	mg/L			08/07/25 06:49	1

Lab Sample ID: LCS 500-829006/2
Matrix: Water
Analysis Batch: 829006

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Suspended Solids			200	198		mg/L		99	80 - 120		

Lab Sample ID: 500-272629-19 MS
Matrix: Water
Analysis Batch: 829006

Client Sample ID: MW-3A_20250804
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Suspended Solids	19		100	109		mg/L		90	75 - 125		

Method: SM 2540D - Solids, Total Suspended (TSS) (Continued)

Lab Sample ID: 500-272629-19 MSD
Matrix: Water
Analysis Batch: 829006

Client Sample ID: MW-3A_20250804
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Suspended Solids	19		100	114		mg/L		95	75 - 125	4	20

Lab Sample ID: 500-272629-17 DU
Matrix: Water
Analysis Batch: 829006

Client Sample ID: MW-10_20250804
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Suspended Solids	5.0			5.20		mg/L				4	5

Method: SM 4500 S2 F - Sulfide, Total

Lab Sample ID: MB 500-829171/1
Matrix: Water
Analysis Batch: 829171

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	<0.23		1.0	0.23	mg/L			08/07/25 12:51	1

Lab Sample ID: LCS 500-829171/2
Matrix: Water
Analysis Batch: 829171

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Sulfide			3.51	3.67		mg/L		104	85 - 115		

Lab Sample ID: 500-272629-19 MS
Matrix: Water
Analysis Batch: 829171

Client Sample ID: MW-3A_20250804
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Sulfide	<0.23		3.51	3.39		mg/L		96	75 - 125		

Lab Sample ID: 500-272629-19 MSD
Matrix: Water
Analysis Batch: 829171

Client Sample ID: MW-3A_20250804
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfide	<0.23		3.51	3.29		mg/L		94	75 - 125	3	20

Method: SM 5310C - Total Organic Carbon

Lab Sample ID: MB 240-667765/5
Matrix: Water
Analysis Batch: 667765

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	<0.44		1.0	0.44	mg/L			08/13/25 21:19	1

Method: SM 5310C - Total Organic Carbon (Continued)

Lab Sample ID: LCS 240-667765/21
Matrix: Water
Analysis Batch: 667765

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Organic Carbon	44.0	41.8		mg/L		95	85 - 115

Lab Sample ID: LCS 240-667765/6
Matrix: Water
Analysis Batch: 667765

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Organic Carbon	44.0	41.9		mg/L		95	85 - 115

Lab Sample ID: 500-272629-19 MS
Matrix: Water
Analysis Batch: 667765

Client Sample ID: MW-3A_20250804
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Total Organic Carbon	5.8		10.0	15.4		mg/L		96	65 - 134

Lab Sample ID: 500-272629-19 MSD
Matrix: Water
Analysis Batch: 667765

Client Sample ID: MW-3A_20250804
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Organic Carbon	5.8		10.0	15.0		mg/L		92	65 - 134	3	10

Method: SM 5310C - Organic Carbon, Dissolved (DOC)

Lab Sample ID: MB 240-667766/5
Matrix: Water
Analysis Batch: 667766

Client Sample ID: Method Blank
Prep Type: Dissolved

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon	<0.44		1.0	0.44	mg/L			08/13/25 21:19	1

Lab Sample ID: LCS 240-667766/6
Matrix: Water
Analysis Batch: 667766

Client Sample ID: Lab Control Sample
Prep Type: Dissolved

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Dissolved Organic Carbon	44.0	41.9		mg/L		95	85 - 115

Lab Sample ID: 500-272629-19 MS
Matrix: Water
Analysis Batch: 667766

Client Sample ID: MW-3A_20250804
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Dissolved Organic Carbon	5.9		10.0	15.6		mg/L		97	65 - 134

Method: SM 5310C - Organic Carbon, Dissolved (DOC) (Continued)

Lab Sample ID: 500-272629-19 MSD
Matrix: Water
Analysis Batch: 667766

Client Sample ID: MW-3A_20250804
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Dissolved Organic Carbon	5.9		10.0	15.2		mg/L		93	65 - 134	2	10

Lab Chronicle

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-272629-1

Client Sample ID: ARC-01_20250804

Date Collected: 08/04/25 10:00
Date Received: 08/06/25 09:05

Lab Sample ID: 500-272629-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	1630			8790	MR	EET SSM	08/12/25 11:33
Dissolved	Analysis	1630		1	8853	CL	EET SSM	08/12/25 19:02
Total/NA	Prep	1630			8862	MR	EET SSM	08/14/25 12:07
Total/NA	Analysis	1630		1	8923	COW	EET SSM	08/14/25 23:21
Dissolved	Analysis	1631E		1	8791	CL	EET SSM	08/11/25 17:19
Total/NA	Analysis	1631E		1	8791	CL	EET SSM	08/11/25 17:14
Dissolved	Prep	1638			8890	V1R	EET SSM	08/15/25 13:12
Dissolved	Analysis	1638		1	8987	V1R	EET SSM	08/18/25 13:33
Total Recoverable	Prep	1638			8891	V1R	EET SSM	08/15/25 13:12
Total Recoverable	Analysis	1638		1	8987	V1R	EET SSM	08/18/25 15:40
Dissolved	Prep	3005A			829027	BDE	EET CHI	08/07/25 08:13 - 08/07/25 14:13 ¹
Dissolved	Analysis	6020B		1	830406	RN	EET CHI	08/15/25 15:42
Total Recoverable	Prep	3005A			829027	BDE	EET CHI	08/07/25 08:13 - 08/07/25 14:13 ¹
Total Recoverable	Analysis	6020B		1	830406	RN	EET CHI	08/15/25 14:59
Total Recoverable	Prep	3005A			829027	BDE	EET CHI	08/07/25 08:13 - 08/07/25 14:13 ¹
Total Recoverable	Analysis	6020B		1	830559	RN	EET CHI	08/18/25 14:58
Total Recoverable	Prep	3005A			829027	BDE	EET CHI	08/07/25 08:13 - 08/07/25 14:13 ¹
Total Recoverable	Analysis	SM 2340B		1	830447	DAJ	EET CHI	08/18/25 10:14
Total/NA	Analysis	300.0		1	828874	MM	EET CHI	08/06/25 13:09
Total/NA	Analysis	300.0		1	828881	MM	EET CHI	08/07/25 03:12
Total/NA	Prep	Distill/CN			829529	AC	EET CHI	08/11/25 14:11 - 08/11/25 14:41 ¹
Total/NA	Analysis	335.4		1	829581	AC	EET CHI	08/11/25 17:15
Total/NA	Prep	Distill/Ammonia			830493	KF	EET CHI	08/18/25 14:55 - 08/18/25 15:55 ¹
Total/NA	Analysis	350.1		1	830724	EB	EET CHI	08/19/25 17:07
Total/NA	Prep	365.2/365.3/365			829284	MF	EET CHI	08/08/25 11:35 - 08/08/25 15:35 ¹
Total/NA	Analysis	365.1		1	829787	MF	EET CHI	08/12/25 17:39
Total/NA	Analysis	SM 2320B		1	829399	AC	EET CHI	08/10/25 11:40
Total/NA	Analysis	SM 2520B		1	830141	AC	EET CHI	08/14/25 14:13
Total/NA	Analysis	SM 2540C		1	829094	CLB	EET CHI	08/07/25 08:31
Total/NA	Analysis	SM 2540D		1	829006	CLB	EET CHI	08/07/25 07:36 - 08/07/25 07:38 ¹
Total/NA	Analysis	SM 4500 S2 F		1	829171	CLB	EET CHI	08/07/25 13:21 - 08/07/25 13:26 ¹
Dissolved	Analysis	SM 5310C		1	667766	JWW	EET CLE	08/13/25 23:43
Total/NA	Analysis	SM 5310C		1	667765	JWW	EET CLE	08/13/25 23:19

Client Sample ID: ARC-01_20250804_FBLL

Date Collected: 08/04/25 10:00
Date Received: 08/06/25 09:05

Lab Sample ID: 500-272629-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	1631E		1	8791	CL	EET SSM	08/11/25 17:23

Lab Chronicle

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-272629-1

Client Sample ID: DKC-01_20250804

Lab Sample ID: 500-272629-3

Date Collected: 08/04/25 11:15

Matrix: Water

Date Received: 08/06/25 09:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	1630			8790	MR	EET SSM	08/12/25 11:33
Dissolved	Analysis	1630		1	8853	CL	EET SSM	08/12/25 19:13
Total/NA	Prep	1630			8790	MR	EET SSM	08/12/25 11:33
Total/NA	Analysis	1630		1	8853	CL	EET SSM	08/12/25 19:23
Dissolved	Analysis	1631E		1	8791	CL	EET SSM	08/11/25 17:31
Total/NA	Analysis	1631E		1	8791	CL	EET SSM	08/11/25 17:27
Dissolved	Prep	1638			8890	V1R	EET SSM	08/15/25 13:12
Dissolved	Analysis	1638		1	8987	V1R	EET SSM	08/18/25 13:52
Total Recoverable	Prep	1638			8891	V1R	EET SSM	08/15/25 13:12
Total Recoverable	Analysis	1638		1	8987	V1R	EET SSM	08/18/25 15:51
Dissolved	Prep	3005A			829027	BDE	EET CHI	08/07/25 08:13 - 08/07/25 14:13 [1]
Dissolved	Analysis	6020B		1	830406	RN	EET CHI	08/15/25 15:44
Total Recoverable	Prep	3005A			829027	BDE	EET CHI	08/07/25 08:13 - 08/07/25 14:13 [1]
Total Recoverable	Analysis	6020B		1	830406	RN	EET CHI	08/15/25 15:01
Total Recoverable	Prep	3005A			829027	BDE	EET CHI	08/07/25 08:13 - 08/07/25 14:13 [1]
Total Recoverable	Analysis	6020B		1	830559	RN	EET CHI	08/18/25 15:01
Total Recoverable	Prep	3005A			829027	BDE	EET CHI	08/07/25 08:13 - 08/07/25 14:13 [1]
Total Recoverable	Analysis	SM 2340B		1	830447	DAJ	EET CHI	08/18/25 10:14
Total/NA	Analysis	300.0		1	828874	MM	EET CHI	08/06/25 10:02
Total/NA	Analysis	300.0		1	828881	MM	EET CHI	08/07/25 00:05
Total/NA	Prep	Distill/CN			829529	AC	EET CHI	08/11/25 14:11 - 08/11/25 14:41 [1]
Total/NA	Analysis	335.4		1	829581	AC	EET CHI	08/11/25 17:15
Total/NA	Prep	Distill/Ammonia			830493	KF	EET CHI	08/18/25 14:55 - 08/18/25 15:55 [1]
Total/NA	Analysis	350.1		1	830724	EB	EET CHI	08/19/25 17:07
Total/NA	Prep	365.2/365.3/365			829284	MF	EET CHI	08/08/25 11:35 - 08/08/25 15:35 [1]
Total/NA	Analysis	365.1		1	829787	MF	EET CHI	08/12/25 17:39
Total/NA	Analysis	SM 2320B		1	829399	AC	EET CHI	08/10/25 11:49
Total/NA	Analysis	SM 2520B		1	829551	AC	EET CHI	08/11/25 16:26
Total/NA	Analysis	SM 2540C		1	829094	CLB	EET CHI	08/07/25 08:34
Total/NA	Analysis	SM 2540D		1	829006	CLB	EET CHI	08/07/25 07:38 - 08/07/25 07:41 [1]
Total/NA	Analysis	SM 4500 S2 F		1	829171	CLB	EET CHI	08/07/25 13:26 - 08/07/25 13:31 [1]
Dissolved	Analysis	SM 5310C		1	667766	JWW	EET CLE	08/14/25 00:31
Total/NA	Analysis	SM 5310C		1	667765	JWW	EET CLE	08/14/25 00:07

Client Sample ID: DKC-01_20250804_FBLL

Lab Sample ID: 500-272629-4

Date Collected: 08/04/25 11:15

Matrix: Water

Date Received: 08/06/25 09:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	1631E		1	8791	CL	EET SSM	08/11/25 17:43

Lab Chronicle

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-272629-1

Client Sample ID: MW-5SB_20250804

Lab Sample ID: 500-272629-5

Date Collected: 08/04/25 10:30

Matrix: Water

Date Received: 08/06/25 09:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	1630			8790	MR	EET SSM	08/12/25 11:33
Dissolved	Analysis	1630		1	8853	CL	EET SSM	08/12/25 19:33
Total/NA	Prep	1630			8790	MR	EET SSM	08/12/25 11:33
Total/NA	Analysis	1630		1	8853	CL	EET SSM	08/12/25 19:43
Dissolved	Analysis	1631E		1	8791	CL	EET SSM	08/11/25 17:52
Total/NA	Analysis	1631E		1	8791	CL	EET SSM	08/11/25 17:48
Dissolved	Prep	1638			8890	V1R	EET SSM	08/15/25 13:12
Dissolved	Analysis	1638		1	8987	V1R	EET SSM	08/18/25 13:55
Total Recoverable	Prep	1638			8891	V1R	EET SSM	08/15/25 13:12
Total Recoverable	Analysis	1638		1	8987	V1R	EET SSM	08/18/25 16:02
Dissolved	Prep	3005A			829027	BDE	EET CHI	08/07/25 08:13 - 08/07/25 14:13 [1]
Dissolved	Analysis	6020B		1	830406	RN	EET CHI	08/15/25 15:47
Dissolved	Prep	3005A			829027	BDE	EET CHI	08/07/25 08:13 - 08/07/25 14:13 [1]
Dissolved	Analysis	6020B		5	830559	RN	EET CHI	08/18/25 15:37
Total Recoverable	Prep	3005A			829027	BDE	EET CHI	08/07/25 08:13 - 08/07/25 14:13 [1]
Total Recoverable	Analysis	6020B		1	830406	RN	EET CHI	08/15/25 15:04
Total Recoverable	Prep	3005A			829027	BDE	EET CHI	08/07/25 08:13 - 08/07/25 14:13 [1]
Total Recoverable	Analysis	6020B		1	830559	RN	EET CHI	08/18/25 15:03
Total Recoverable	Prep	3005A			829027	BDE	EET CHI	08/07/25 08:13 - 08/07/25 14:13 [1]
Total Recoverable	Analysis	SM 2340B		1	830447	DAJ	EET CHI	08/18/25 10:14
Total/NA	Analysis	300.0		1	828874	MM	EET CHI	08/06/25 13:25
Total/NA	Analysis	300.0		1	828881	MM	EET CHI	08/07/25 03:28
Total/NA	Analysis	300.0		10	830342	MM	EET CHI	08/16/25 22:24
Total/NA	Prep	Distill/CN			829529	AC	EET CHI	08/11/25 14:11 - 08/11/25 14:41 [1]
Total/NA	Analysis	335.4		1	829581	AC	EET CHI	08/11/25 17:15
Total/NA	Prep	Distill/Ammonia			830493	KF	EET CHI	08/18/25 14:55 - 08/18/25 15:55 [1]
Total/NA	Analysis	350.1		1	830724	EB	EET CHI	08/19/25 17:08
Total/NA	Prep	365.2/365.3/365			829056	MF	EET CHI	08/07/25 09:08 - 08/07/25 13:08 [1]
Total/NA	Analysis	365.1		1	829276	MF	EET CHI	08/08/25 10:25
Total/NA	Analysis	SM 2320B		1	829399	AC	EET CHI	08/10/25 11:57
Total/NA	Analysis	SM 2520B		1	829551	AC	EET CHI	08/11/25 16:26
Total/NA	Analysis	SM 2540C		1	829094	CLB	EET CHI	08/07/25 08:36
Total/NA	Analysis	SM 2540D		1	829006	CLB	EET CHI	08/07/25 07:41 - 08/07/25 07:43 [1]
Total/NA	Analysis	SM 4500 S2 F		1	829171	CLB	EET CHI	08/07/25 13:31 - 08/07/25 13:37 [1]
Dissolved	Analysis	SM 5310C		1	667766	JWW	EET CLE	08/14/25 02:11
Total/NA	Analysis	SM 5310C		1	667765	JWW	EET CLE	08/14/25 01:47

Client Sample ID: MW-5SB_20250804_FBLL

Lab Sample ID: 500-272629-6

Date Collected: 08/04/25 10:30

Matrix: Water

Date Received: 08/06/25 09:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	1631E		1	8791	CL	EET SSM	08/11/25 17:56

Lab Chronicle

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-272629-1

Client Sample ID: MW-5A_20250804

Lab Sample ID: 500-272629-7

Date Collected: 08/04/25 12:20

Matrix: Water

Date Received: 08/06/25 09:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	1630			8790	MR	EET SSM	08/12/25 11:33
Dissolved	Analysis	1630		1	8853	CL	EET SSM	08/12/25 20:04
Total/NA	Prep	1630			8790	MR	EET SSM	08/12/25 11:33
Total/NA	Analysis	1630		1	8853	CL	EET SSM	08/12/25 19:53
Dissolved	Analysis	1631E		1	8791	CL	EET SSM	08/11/25 18:04
Total/NA	Analysis	1631E		1	8791	CL	EET SSM	08/11/25 18:00
Dissolved	Prep	1638			8890	V1R	EET SSM	08/15/25 13:12
Dissolved	Analysis	1638		1	8987	V1R	EET SSM	08/18/25 13:59
Total Recoverable	Prep	1638			8891	V1R	EET SSM	08/15/25 13:12
Total Recoverable	Analysis	1638		1	8987	V1R	EET SSM	08/18/25 16:06
Dissolved	Prep	3005A			829027	BDE	EET CHI	08/07/25 08:13 - 08/07/25 14:13 [1]
Dissolved	Analysis	6020B		1	830406	RN	EET CHI	08/15/25 15:49
Total Recoverable	Prep	3005A			829027	BDE	EET CHI	08/07/25 08:13 - 08/07/25 14:13 [1]
Total Recoverable	Analysis	6020B		1	830406	RN	EET CHI	08/15/25 15:06
Total Recoverable	Prep	3005A			829027	BDE	EET CHI	08/07/25 08:13 - 08/07/25 14:13 [1]
Total Recoverable	Analysis	6020B		1	830559	RN	EET CHI	08/18/25 15:06
Total Recoverable	Prep	3005A			829027	BDE	EET CHI	08/07/25 08:13 - 08/07/25 14:13 [1]
Total Recoverable	Analysis	SM 2340B		1	830447	DAJ	EET CHI	08/18/25 10:14
Total/NA	Analysis	300.0		1	828874	MM	EET CHI	08/06/25 10:18
Total/NA	Analysis	300.0		1	828881	MM	EET CHI	08/07/25 00:21
Total/NA	Analysis	300.0		10	830342	MM	EET CHI	08/16/25 22:39
Total/NA	Prep	Distill/CN			829529	AC	EET CHI	08/11/25 14:11 - 08/11/25 14:41 [1]
Total/NA	Analysis	335.4		1	829581	AC	EET CHI	08/11/25 17:18
Total/NA	Prep	Distill/Ammonia			830493	KF	EET CHI	08/18/25 14:55 - 08/18/25 15:55 [1]
Total/NA	Analysis	350.1		1	830724	EB	EET CHI	08/19/25 17:08
Total/NA	Prep	365.2/365.3/365			829056	MF	EET CHI	08/07/25 09:08 - 08/07/25 13:08 [1]
Total/NA	Analysis	365.1		1	829276	MF	EET CHI	08/08/25 10:25
Total/NA	Analysis	SM 2320B		1	829399	AC	EET CHI	08/10/25 12:20
Total/NA	Analysis	SM 2520B		1	829551	AC	EET CHI	08/11/25 16:26
Total/NA	Analysis	SM 2540C		1	829094	CLB	EET CHI	08/07/25 08:39
Total/NA	Analysis	SM 2540D		1	829006	CLB	EET CHI	08/07/25 07:43 - 08/07/25 07:46 [1]
Total/NA	Analysis	SM 4500 S2 F		1	829171	CLB	EET CHI	08/07/25 13:36 - 08/07/25 13:42 [1]
Dissolved	Analysis	SM 5310C		1	667766	JWW	EET CLE	08/14/25 02:59
Total/NA	Analysis	SM 5310C		1	667765	JWW	EET CLE	08/14/25 02:35

Client Sample ID: MW-5A_20250804_FBLL

Lab Sample ID: 500-272629-8

Date Collected: 08/04/25 12:20

Matrix: Water

Date Received: 08/06/25 09:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	1631E		1	8791	CL	EET SSM	08/11/25 18:08

Lab Chronicle

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-272629-1

Client Sample ID: SBD-01_20250804

Lab Sample ID: 500-272629-9

Date Collected: 08/04/25 13:00

Matrix: Water

Date Received: 08/06/25 09:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	1630			8790	MR	EET SSM	08/12/25 11:33
Dissolved	Analysis	1630		1	8853	CL	EET SSM	08/12/25 20:34
Total/NA	Prep	1630			8790	MR	EET SSM	08/12/25 11:33
Total/NA	Analysis	1630		1	8853	CL	EET SSM	08/12/25 20:44
Dissolved	Analysis	1631E		1	8791	CL	EET SSM	08/11/25 18:17
Total/NA	Analysis	1631E		1	8791	CL	EET SSM	08/11/25 18:12
Dissolved	Prep	1638			8890	V1R	EET SSM	08/15/25 13:12
Dissolved	Analysis	1638		1	8987	V1R	EET SSM	08/18/25 14:03
Total Recoverable	Prep	1638			8891	V1R	EET SSM	08/15/25 13:12
Total Recoverable	Analysis	1638		1	8987	V1R	EET SSM	08/18/25 16:10
Dissolved	Prep	3005A			829027	BDE	EET CHI	08/07/25 08:13 - 08/07/25 14:13 [1]
Dissolved	Analysis	6020B		1	830406	RN	EET CHI	08/15/25 15:51
Total Recoverable	Prep	3005A			829027	BDE	EET CHI	08/07/25 08:13 - 08/07/25 14:13 [1]
Total Recoverable	Analysis	6020B		1	830406	RN	EET CHI	08/15/25 15:13
Total Recoverable	Prep	3005A			829027	BDE	EET CHI	08/07/25 08:13 - 08/07/25 14:13 [1]
Total Recoverable	Analysis	SM 2340B		1	830447	DAJ	EET CHI	08/18/25 10:14
Total/NA	Analysis	300.0		1	828874	MM	EET CHI	08/06/25 10:33
Total/NA	Analysis	300.0		1	828881	MM	EET CHI	08/07/25 00:36
Total/NA	Prep	Distill/CN			829529	AC	EET CHI	08/11/25 14:11 - 08/11/25 14:41 [1]
Total/NA	Analysis	335.4		1	829581	AC	EET CHI	08/11/25 17:19
Total/NA	Prep	Distill/Ammonia			830493	KF	EET CHI	08/18/25 14:55 - 08/18/25 15:55 [1]
Total/NA	Analysis	350.1		1	830724	EB	EET CHI	08/19/25 17:09
Total/NA	Prep	365.2/365.3/365			829056	MF	EET CHI	08/07/25 09:08 - 08/07/25 13:08 [1]
Total/NA	Analysis	365.1		1	829276	MF	EET CHI	08/08/25 10:26
Total/NA	Analysis	SM 2320B		1	829399	AC	EET CHI	08/10/25 12:39
Total/NA	Analysis	SM 2520B		1	829551	AC	EET CHI	08/11/25 16:26
Total/NA	Analysis	SM 2540C		1	829094	CLB	EET CHI	08/07/25 08:42
Total/NA	Analysis	SM 2540D		1	829006	CLB	EET CHI	08/07/25 07:46 - 08/07/25 07:48 [1]
Total/NA	Analysis	SM 4500 S2 F		1	829171	CLB	EET CHI	08/07/25 13:42 - 08/07/25 13:47 [1]
Dissolved	Analysis	SM 5310C		1	667766	JWW	EET CLE	08/14/25 05:23
Total/NA	Analysis	SM 5310C		1	667765	JWW	EET CLE	08/14/25 03:23

Client Sample ID: SBD-01_20250804_FBLL

Lab Sample ID: 500-272629-10

Date Collected: 08/04/25 13:00

Matrix: Water

Date Received: 08/06/25 09:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	1631E		1	8791	CL	EET SSM	08/11/25 18:21

Lab Chronicle

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-272629-1

Client Sample ID: SBW-01_20250804

Lab Sample ID: 500-272629-11

Date Collected: 08/04/25 14:30

Matrix: Water

Date Received: 08/06/25 09:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	1630			8790	MR	EET SSM	08/12/25 11:33
Dissolved	Analysis	1630		1	8853	CL	EET SSM	08/12/25 21:05
Total/NA	Prep	1630			8790	MR	EET SSM	08/12/25 11:33
Total/NA	Analysis	1630		1	8853	CL	EET SSM	08/12/25 20:55
Dissolved	Analysis	1631E		1	8791	CL	EET SSM	08/11/25 18:37
Total/NA	Analysis	1631E		1	8791	CL	EET SSM	08/11/25 18:33
Dissolved	Prep	1638			8890	V1R	EET SSM	08/15/25 13:12
Dissolved	Analysis	1638		1	8987	V1R	EET SSM	08/18/25 14:07
Total Recoverable	Prep	1638			8891	V1R	EET SSM	08/15/25 13:12
Total Recoverable	Analysis	1638		1	8987	V1R	EET SSM	08/18/25 16:14
Dissolved	Prep	3005A			829027	BDE	EET CHI	08/07/25 08:13 - 08/07/25 14:13 [1]
Dissolved	Analysis	6020B		1	830406	RN	EET CHI	08/15/25 15:53
Total Recoverable	Prep	3005A			829027	BDE	EET CHI	08/07/25 08:13 - 08/07/25 14:13 [1]
Total Recoverable	Analysis	6020B		1	830406	RN	EET CHI	08/15/25 15:15
Total Recoverable	Prep	3005A			829027	BDE	EET CHI	08/07/25 08:13 - 08/07/25 14:13 [1]
Total Recoverable	Analysis	SM 2340B		1	830447	DAJ	EET CHI	08/18/25 10:14
Total/NA	Analysis	300.0		1	828874	MM	EET CHI	08/06/25 10:49
Total/NA	Analysis	300.0		1	828881	MM	EET CHI	08/07/25 00:52
Total/NA	Prep	Distill/CN			829529	AC	EET CHI	08/11/25 14:11 - 08/11/25 14:41 [1]
Total/NA	Analysis	335.4		1	829581	AC	EET CHI	08/11/25 17:20
Total/NA	Prep	Distill/Ammonia			830493	KF	EET CHI	08/18/25 14:55 - 08/18/25 15:55 [1]
Total/NA	Analysis	350.1		1	830724	EB	EET CHI	08/19/25 17:09
Total/NA	Prep	365.2/365.3/365			829056	MF	EET CHI	08/07/25 09:08 - 08/07/25 13:08 [1]
Total/NA	Analysis	365.1		1	829276	MF	EET CHI	08/08/25 10:27
Total/NA	Analysis	SM 2320B		1	829399	AC	EET CHI	08/10/25 12:48
Total/NA	Analysis	SM 2520B		1	829551	AC	EET CHI	08/11/25 16:26
Total/NA	Analysis	SM 2540C		1	829094	CLB	EET CHI	08/07/25 08:44
Total/NA	Analysis	SM 2540D		1	829006	CLB	EET CHI	08/07/25 07:48 - 08/07/25 07:51 [1]
Total/NA	Analysis	SM 4500 S2 F		1	829171	CLB	EET CHI	08/07/25 13:47 - 08/07/25 13:52 [1]
Dissolved	Analysis	SM 5310C		1	667766	JWW	EET CLE	08/14/25 07:05
Total/NA	Analysis	SM 5310C		1	667765	JWW	EET CLE	08/14/25 06:40

Client Sample ID: SBW-01_20250804_FBLL

Lab Sample ID: 500-272629-12

Date Collected: 08/04/25 14:30

Matrix: Water

Date Received: 08/06/25 09:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	1631E		1	8791	CL	EET SSM	08/11/25 18:41

Lab Chronicle

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-272629-1

Client Sample ID: PNC-02_20250804

Lab Sample ID: 500-272629-13

Date Collected: 08/04/25 15:15

Matrix: Water

Date Received: 08/06/25 09:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	1630			8790	MR	EET SSM	08/12/25 11:33
Dissolved	Analysis	1630		1	8853	CL	EET SSM	08/12/25 21:15
Total/NA	Prep	1630			8790	MR	EET SSM	08/12/25 11:33
Total/NA	Analysis	1630		1	8853	CL	EET SSM	08/12/25 21:25
Dissolved	Analysis	1631E		1	8791	CL	EET SSM	08/11/25 19:23
Total/NA	Analysis	1631E		1	8791	CL	EET SSM	08/11/25 19:10
Dissolved	Prep	1638			8890	V1R	EET SSM	08/15/25 13:12
Dissolved	Analysis	1638		1	8987	V1R	EET SSM	08/18/25 14:10
Total Recoverable	Prep	1638			8891	V1R	EET SSM	08/15/25 13:12
Total Recoverable	Analysis	1638		1	8987	V1R	EET SSM	08/18/25 16:17
Dissolved	Prep	3005A			829027	BDE	EET CHI	08/07/25 08:13 - 08/07/25 14:13 [1]
Dissolved	Analysis	6020B		1	830406	RN	EET CHI	08/15/25 15:56
Total Recoverable	Prep	3005A			829027	BDE	EET CHI	08/07/25 08:13 - 08/07/25 14:13 [1]
Total Recoverable	Analysis	6020B		1	830406	RN	EET CHI	08/15/25 15:17
Total Recoverable	Prep	3005A			829027	BDE	EET CHI	08/07/25 08:13 - 08/07/25 14:13 [1]
Total Recoverable	Analysis	SM 2340B		1	830447	DAJ	EET CHI	08/18/25 10:14
Total/NA	Analysis	300.0		1	828874	MM	EET CHI	08/06/25 11:04
Total/NA	Analysis	300.0		1	828881	MM	EET CHI	08/07/25 01:07
Total/NA	Prep	Distill/CN			829529	AC	EET CHI	08/11/25 14:11 - 08/11/25 14:41 [1]
Total/NA	Analysis	335.4		1	829581	AC	EET CHI	08/11/25 17:20
Total/NA	Prep	Distill/Ammonia			830493	KF	EET CHI	08/18/25 14:55 - 08/18/25 15:55 [1]
Total/NA	Analysis	350.1		1	830724	EB	EET CHI	08/19/25 17:10
Total/NA	Prep	365.2/365.3/365			829056	MF	EET CHI	08/07/25 09:08 - 08/07/25 13:08 [1]
Total/NA	Analysis	365.1		1	829276	MF	EET CHI	08/08/25 10:27
Total/NA	Analysis	SM 2320B		1	829399	AC	EET CHI	08/10/25 12:56
Total/NA	Analysis	SM 2520B		1	829551	AC	EET CHI	08/11/25 16:26
Total/NA	Analysis	SM 2540C		1	829094	CLB	EET CHI	08/07/25 08:47
Total/NA	Analysis	SM 2540D		1	829006	CLB	EET CHI	08/07/25 06:58 - 08/07/25 07:01 [1]
Total/NA	Analysis	SM 4500 S2 F		1	829171	CLB	EET CHI	08/07/25 13:52 - 08/07/25 13:57 [1]
Dissolved	Analysis	SM 5310C		1	667766	JWW	EET CLE	08/14/25 07:53
Total/NA	Analysis	SM 5310C		1	667765	JWW	EET CLE	08/14/25 07:29

Client Sample ID: PNC-02_20250804_FBLL

Lab Sample ID: 500-272629-14

Date Collected: 08/04/25 15:15

Matrix: Water

Date Received: 08/06/25 09:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	1631E		1	8791	CL	EET SSM	08/11/25 19:27

Lab Chronicle

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-272629-1

Client Sample ID: MLR-02_20250804

Lab Sample ID: 500-272629-15

Date Collected: 08/04/25 16:30

Matrix: Water

Date Received: 08/06/25 09:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	1630			8790	MR	EET SSM	08/12/25 11:33
Dissolved	Analysis	1630		1	8853	CL	EET SSM	08/12/25 21:36
Total/NA	Prep	1630			8790	MR	EET SSM	08/12/25 11:33
Total/NA	Analysis	1630		1	8853	CL	EET SSM	08/12/25 21:46
Dissolved	Analysis	1631E		1	8791	CL	EET SSM	08/11/25 19:35
Total/NA	Analysis	1631E		1	8791	CL	EET SSM	08/11/25 19:31
Dissolved	Prep	1638			8890	V1R	EET SSM	08/15/25 13:12
Dissolved	Analysis	1638		1	8987	V1R	EET SSM	08/18/25 14:14
Total Recoverable	Prep	1638			8891	V1R	EET SSM	08/15/25 13:12
Total Recoverable	Analysis	1638		1	8987	V1R	EET SSM	08/18/25 16:21
Dissolved	Prep	3005A			829027	BDE	EET CHI	08/07/25 08:13 - 08/07/25 14:13 [1]
Dissolved	Analysis	6020B		1	830406	RN	EET CHI	08/15/25 15:58
Total Recoverable	Prep	3005A			829027	BDE	EET CHI	08/07/25 08:13 - 08/07/25 14:13 [1]
Total Recoverable	Analysis	6020B		1	830406	RN	EET CHI	08/15/25 15:20
Total Recoverable	Prep	3005A			829027	BDE	EET CHI	08/07/25 08:13 - 08/07/25 14:13 [1]
Total Recoverable	Analysis	SM 2340B		1	830447	DAJ	EET CHI	08/18/25 10:14
Total/NA	Analysis	300.0		1	828874	MM	EET CHI	08/06/25 11:20
Total/NA	Analysis	300.0		1	828881	MM	EET CHI	08/07/25 01:23
Total/NA	Prep	Distill/CN			829529	AC	EET CHI	08/11/25 14:11 - 08/11/25 14:41 [1]
Total/NA	Analysis	335.4		1	829581	AC	EET CHI	08/11/25 17:23
Total/NA	Prep	Distill/Ammonia			830493	KF	EET CHI	08/18/25 14:55 - 08/18/25 15:55 [1]
Total/NA	Analysis	350.1		1	830724	EB	EET CHI	08/19/25 17:10
Total/NA	Prep	365.2/365.3/365			829056	MF	EET CHI	08/07/25 09:08 - 08/07/25 13:08 [1]
Total/NA	Analysis	365.1		1	829276	MF	EET CHI	08/08/25 10:27
Total/NA	Analysis	SM 2320B		1	829399	AC	EET CHI	08/10/25 13:07
Total/NA	Analysis	SM 2520B		1	829551	AC	EET CHI	08/11/25 16:26
Total/NA	Analysis	SM 2540C		1	829094	CLB	EET CHI	08/07/25 08:49
Total/NA	Analysis	SM 2540D		1	829006	CLB	EET CHI	08/07/25 07:11 - 08/07/25 07:13 [1]
Total/NA	Analysis	SM 4500 S2 F		1	829171	CLB	EET CHI	08/07/25 13:57 - 08/07/25 14:02 [1]
Dissolved	Analysis	SM 5310C		1	667766	JWW	EET CLE	08/14/25 08:42
Total/NA	Analysis	SM 5310C		1	667765	JWW	EET CLE	08/14/25 08:17

Client Sample ID: MLR-02_20250804_FBLL

Lab Sample ID: 500-272629-16

Date Collected: 08/04/25 16:30

Matrix: Water

Date Received: 08/06/25 09:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	1631E		1	8791	CL	EET SSM	08/11/25 19:39

Client Sample ID: MW-10_20250804

Lab Sample ID: 500-272629-17

Date Collected: 08/04/25 14:15

Matrix: Water

Date Received: 08/06/25 09:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	1630			8862	MR	EET SSM	08/14/25 12:07
Dissolved	Analysis	1630		1	8923	COW	EET SSM	08/14/25 20:17
Total/NA	Prep	1630			8862	MR	EET SSM	08/14/25 12:07
Total/NA	Analysis	1630		1	8923	COW	EET SSM	08/14/25 20:07
Dissolved	Analysis	1631E		1	8791	CL	EET SSM	08/11/25 19:48
Total/NA	Analysis	1631E		1	8791	CL	EET SSM	08/11/25 19:44
Dissolved	Prep	1638			8890	V1R	EET SSM	08/15/25 13:12
Dissolved	Analysis	1638		1	8987	V1R	EET SSM	08/18/25 14:18
Total Recoverable	Prep	1638			8891	V1R	EET SSM	08/15/25 13:12
Total Recoverable	Analysis	1638		1	8987	V1R	EET SSM	08/18/25 16:25
Dissolved	Prep	3005A			829027	BDE	EET CHI	08/07/25 08:13 - 08/07/25 14:13 [1]
Dissolved	Analysis	6020B		1	830406	RN	EET CHI	08/15/25 16:00
Dissolved	Prep	3005A			829027	BDE	EET CHI	08/07/25 08:13 - 08/07/25 14:13 [1]
Dissolved	Analysis	6020B		5	830559	RN	EET CHI	08/18/25 15:40
Total Recoverable	Prep	3005A			829027	BDE	EET CHI	08/07/25 08:13 - 08/07/25 14:13 [1]
Total Recoverable	Analysis	6020B		1	830406	RN	EET CHI	08/15/25 15:22
Total Recoverable	Prep	3005A			829027	BDE	EET CHI	08/07/25 08:13 - 08/07/25 14:13 [1]
Total Recoverable	Analysis	6020B		5	830559	RN	EET CHI	08/18/25 15:08
Total Recoverable	Prep	3005A			829027	BDE	EET CHI	08/07/25 08:13 - 08/07/25 14:13 [1]
Total Recoverable	Analysis	SM 2340B		1	830447	DAJ	EET CHI	08/18/25 10:14
Total/NA	Analysis	300.0		1	828874	MM	EET CHI	08/06/25 11:36
Total/NA	Analysis	300.0		1	828881	MM	EET CHI	08/07/25 01:39
Total/NA	Analysis	300.0		10	830342	MM	EET CHI	08/16/25 22:55
Total/NA	Prep	Distill/CN			829529	AC	EET CHI	08/11/25 14:11 - 08/11/25 14:41 [1]
Total/NA	Analysis	335.4		1	829581	AC	EET CHI	08/11/25 17:24
Total/NA	Prep	Distill/Ammonia			830493	KF	EET CHI	08/18/25 14:55 - 08/18/25 15:55 [1]
Total/NA	Analysis	350.1		1	830724	EB	EET CHI	08/19/25 17:11
Total/NA	Prep	365.2/365.3/365			829056	MF	EET CHI	08/07/25 09:08 - 08/07/25 13:08 [1]
Total/NA	Analysis	365.1		1	829276	MF	EET CHI	08/08/25 10:28
Total/NA	Analysis	SM 2320B		1	829399	AC	EET CHI	08/10/25 13:16
Total/NA	Analysis	SM 2520B		1	829551	AC	EET CHI	08/11/25 16:26
Total/NA	Analysis	SM 2540C		1	829094	CLB	EET CHI	08/07/25 08:52
Total/NA	Analysis	SM 2540D		1	829006	CLB	EET CHI	08/07/25 07:13 - 08/07/25 07:16 [1]
Total/NA	Analysis	SM 4500 S2 F		1	829171	CLB	EET CHI	08/07/25 14:02 - 08/07/25 14:07 [1]
Dissolved	Analysis	SM 5310C		1	667766	JWW	EET CLE	08/14/25 09:29
Total/NA	Analysis	SM 5310C		1	667765	JWW	EET CLE	08/14/25 09:05

Client Sample ID: MW-10_20250804_FBLL

Lab Sample ID: 500-272629-18

Date Collected: 08/04/25 14:15

Matrix: Water

Date Received: 08/06/25 09:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	1631E		1	8791	CL	EET SSM	08/11/25 19:52

Lab Chronicle

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-272629-1

Client Sample ID: MW-3A_20250804

Date Collected: 08/04/25 16:20
Date Received: 08/06/25 09:05

Lab Sample ID: 500-272629-19

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	1630			8862	MR	EET SSM	08/14/25 12:07
Dissolved	Analysis	1630		1	8923	COW	EET SSM	08/14/25 19:16
Total/NA	Prep	1630			8862	MR	EET SSM	08/14/25 12:07
Total/NA	Analysis	1630		1	8923	COW	EET SSM	08/14/25 18:45
Dissolved	Analysis	1631E		1	8925	AJD	EET SSM	08/14/25 12:57
Total/NA	Analysis	1631E		1	8925	AJD	EET SSM	08/14/25 12:53
Dissolved	Prep	1638			8890	V1R	EET SSM	08/15/25 13:12
Dissolved	Analysis	1638		1	8987	V1R	EET SSM	08/18/25 13:22
Total Recoverable	Prep	1638			8891	V1R	EET SSM	08/15/25 13:12
Total Recoverable	Analysis	1638		1	8987	V1R	EET SSM	08/18/25 15:29
Dissolved	Prep	3005A			829027	BDE	EET CHI	08/07/25 08:13 - 08/07/25 14:13 [1]
Dissolved	Analysis	6020B		1	830406	RN	EET CHI	08/15/25 16:07
Dissolved	Prep	3005A			829027	BDE	EET CHI	08/07/25 08:13 - 08/07/25 14:13 [1]
Dissolved	Analysis	6020B		5	830559	RN	EET CHI	08/18/25 15:57
Dissolved	Prep	3005A			829027	BDE	EET CHI	08/07/25 08:13 - 08/07/25 14:13 [1]
Dissolved	Analysis	6020B		1	830559	RN	EET CHI	08/18/25 16:14
Total Recoverable	Prep	3005A			829027	BDE	EET CHI	08/07/25 08:13 - 08/07/25 14:13 [1]
Total Recoverable	Analysis	6020B		1	830406	RN	EET CHI	08/15/25 15:24
Total Recoverable	Prep	3005A			829027	BDE	EET CHI	08/07/25 08:13 - 08/07/25 14:13 [1]
Total Recoverable	Analysis	6020B		5	830559	RN	EET CHI	08/18/25 15:10
Total Recoverable	Prep	3005A			829027	BDE	EET CHI	08/07/25 08:13 - 08/07/25 14:13 [1]
Total Recoverable	Analysis	SM 2340B		1	830447	DAJ	EET CHI	08/18/25 10:14
Total/NA	Analysis	300.0		1	828874	MM	EET CHI	08/06/25 12:22
Total/NA	Analysis	300.0		1	828881	MM	EET CHI	08/07/25 02:26
Total/NA	Analysis	300.0		10	830342	MM	EET CHI	08/16/25 23:10
Total/NA	Prep	Distill/CN			829530	AC	EET CHI	08/11/25 14:30 - 08/11/25 15:00 [1]
Total/NA	Analysis	335.4		1	829708	AC	EET CHI	08/12/25 11:54
Total/NA	Prep	Distill/Ammonia			830129	EB	EET CHI	08/14/25 15:12 - 08/14/25 16:12 [1]
Total/NA	Analysis	350.1		1	830293	EB	EET CHI	08/15/25 09:53
Total/NA	Prep	365.2/365.3/365			829056	MF	EET CHI	08/07/25 09:08 - 08/07/25 13:08 [1]
Total/NA	Analysis	365.1		1	829276	MF	EET CHI	08/08/25 10:28
Total/NA	Analysis	SM 2320B		1	829399	AC	EET CHI	08/10/25 13:26
Total/NA	Analysis	SM 2520B		1	829551	AC	EET CHI	08/11/25 16:26
Total/NA	Analysis	SM 2540C		1	829094	CLB	EET CHI	08/07/25 08:57
Total/NA	Analysis	SM 2540D		1	829006	CLB	EET CHI	08/07/25 07:18 - 08/07/25 07:21 [1]
Total/NA	Analysis	SM 4500 S2 F		1	829171	CLB	EET CHI	08/07/25 14:07 - 08/07/25 14:12 [1]
Dissolved	Analysis	SM 5310C		1	667766	JWW	EET CLE	08/14/25 04:12
Total/NA	Analysis	SM 5310C		1	667765	JWW	EET CLE	08/13/25 22:08

Lab Chronicle

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-272629-1

Client Sample ID: MW-3A_20250804_FBLL

Date Collected: 08/04/25 16:20
Date Received: 08/06/25 09:05

Lab Sample ID: 500-272629-20

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	1631E		1	8791	CL	EET SSM	08/11/25 12:16

[1] This procedure uses a method stipulated length of time for the process. Both start and end times are displayed.

Laboratory References:

EET CHI = Eurofins Chicago, 18410 Crossing Drive, Suite E, Tinley Park, IL 60487, TEL (708)534-5200
EET CLE = Eurofins Cleveland, 180 S. Van Buren Avenue, Barberton, OH 44203, TEL (330)497-9396
EET SSM = Eurofins Seattle Specialty Metals, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

Accreditation/Certification Summary

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-272629-1

Laboratory: Eurofins Chicago

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Georgia	State	N/A	05-31-26
Georgia (DW)	State	939	05-31-26
Illinois	NELAP	100201	05-31-26
Indiana	State	C-IL-02	05-31-26
Iowa	State	082	05-01-26
Kansas	NELAP	E-10161	10-31-25
Kentucky (UST)	State	AI # 108083	05-31-26
Kentucky (WW)	State	KY90023	12-31-25
Louisiana (All)	NELAP	02046	06-30-26
Mississippi	State	NA	05-31-26
North Carolina (WW/SW)	State	291	12-31-25
North Dakota	State	R-194	04-29-24 *
Oklahoma	State	8908	08-31-25
South Carolina	State	77001003	05-31-25 *
USDA	US Federal Programs	P330-18-00018	03-30-26
Wisconsin	State	399172840	08-31-25
Wyoming	State	8TMS-Q	05-31-26

Laboratory: Eurofins Cleveland

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Connecticut	State	PH-0806	12-31-26
Georgia	State	4062	02-27-26
Illinois	NELAP	200004	08-31-26
Iowa	State	421	06-01-27
Kansas	NELAP	E-10336	01-31-26
Kentucky (UST)	State	112225	02-28-26
Kentucky (WW)	State	KY98016	12-31-25
Minnesota	NELAP	039-999-348	12-31-25
New Hampshire	NELAP	225024	09-30-25
New Jersey	NELAP	OH001	06-30-26
New York	NELAP	10975	04-01-26
North Dakota	State	R-244	02-27-26
Ohio	State	8303	11-04-25
Ohio VAP	State	ORELAP 4062	02-28-26
Oregon	NELAP	4062	02-27-26
Pennsylvania	NELAP	68-00340	08-31-26
Texas	NELAP	T104704517-22-19	08-31-25
US Fish & Wildlife	US Federal Programs	A26406	02-28-26
USDA	US Federal Programs	P330-18-00281	01-05-27
Virginia	NELAP	460175	09-15-25
West Virginia DEP	State	210	12-31-25
Wisconsin	State	399167560	08-31-25

Laboratory: Eurofins Seattle Specialty Metals

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	20-004	02-19-27
ANAB	Dept. of Defense ELAP	L2236	01-19-27

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Accreditation/Certification Summary

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-272629-1

Laboratory: Eurofins Seattle Specialty Metals (Continued)

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
ANAB	Dept. of Energy	L2236.01	01-19-27
ANAB	ISO/IEC 17025	L2236	01-19-27
California	State	2954	07-08-26
Florida	NELAP	E87575	06-30-26
Louisiana (All)	NELAP	03073	07-01-26
Maine	State	WA01273	05-02-26
New Jersey	NELAP	WA014	06-30-26
New York	NELAP	11662	04-01-26
Oregon	NELAP	4167-008	07-08-26
US Fish & Wildlife	US Federal Programs	A20571	06-30-26
USDA	US Federal Programs	525-23-4-22573	01-24-28

Eurofins Chicago
18410 Crossing Drive, Suite E
Tinley Park, IL 60487
Phone (708) 534-5200 Phone (262) 202-5955

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: ELLEN COPPERNOLL	Lab PM: Fredrick, Sandie	Carrier Tracking No(s): 4376056854 70	COC No: 500-138261-50241.1
Client Contact: Amanda Zeidler	Phone: 517-513-2249	E-Mail: Sandra.Fredrick@et.eurofinsus.com	State of Origin: Michigan	Page: Page 1 of 1
Company: White Pine Copper LLC	PWSID:			Job #: 500-272629
Address: 35362 Mall Circle Drive	Due Date Requested:			
City: White Pine	TAT Requested (days): 10 days			
State, Zip: MI, 49971	Compliance Project: Δ Yes Δ No			
Phone: 906-204-6500	PO #: Purchase Order not required			
Email: AZeidler@whitepinecu.com	WO #:			
Project Name: White Pines, MI	Project #: 50023455			
Site: White Pine North Baseline Sampling	SSOW#:			

Analysis Requested

Preservation Codes:
S - H2SO4
N - None
CB - ZnAcetate/NaOH
B - NaOH
D - HNO3
A - HCL

500-272629 COC

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	350.1 Ammonia, 365.1 Phos	2320B, 2540C, 2540D, 300.0_28D, 300_48HR, SM2520_B	SM4500_S2_F - Sulfide, Total	335.4 - Cyanide, Total	SM5310_DOC_C - Organic Carbon, Dissolved (DOC) - tripli	6020B, SM2340B Total Metals / Hardness	1638 - Uranium only (ICP/MS)	1631E - Mercury, Low Level (CVAFS)	1630_ME - Methyl Mercury	6020B - Dissolved Metals (ICP/MS) - 27 elements	1638 - Dissolved Uranium only (ICP/MS) (field filtered)	1631E - Dissolved Mercury, Low Level (CVAFS) (filtered)	1630_ME - Dissolved Methyl Mercury (field filtered)	5310C - TOC	Total Number of containers	Special Instructions/Note:
			Preservation Code:				S	N	CB	B	S	D	D	N	A	D	D	N	A	S	
1 ARC-01_20250804	8-4-25	10:00	G	Water			X	X	X	X	X	X	X	X	X	X	X	X	X	X	22	
2 ARC-01_20250804_FBLL	8-4-25	10:00	G	Water										X							2	
3 DKC-01_20250804	8-4-25	11:15	G	Water			X	X	X	X	X	X	X	X	X	X	X	X	X	X	22	
4 DKC-01_20250804_FBLL	8-4-25	11:15	G	Water										X							2	
				Water																		
				Water																		
				Water																		
				Water																		
				Water																		
				Water																		
				Water																		

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements: MDLs must meet Michigan requirements.

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment: FedEx Priority Overnight

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	[signature]	8-4-25 17:00	MSG	[signature]	8-4-25 17:00	MSG
2	[signature]	8-5-25 09:00	MSG	FEDEX 4376 0568 5470		
3				Stephanie Hernandez	8/6/25 0905	EEHT

Custody Seals Intact: Δ Yes Δ No

Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 1.7+1.5, 5.1+4.9, 3.3+3.1, 0.9+0.7, 0.4+0.2, 4.3+4.1

Eurofins Chicago
18410 Crossing Drive, Suite E
Tinley Park, IL 60487
Phone (708) 534-5200 Phone (262) 202-5955

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Jacob Dean	Lab PM: Fredrick, Sandie	Carrier Tracking No(s): 452318057810	COC No: 500-138261-50241.2
Client Contact: Amanda Zeidler	Phone: 906-487-7454	E-Mail: Sandra.Fredrick@et.eurofinsus.com	State of Origin: Michigan	Page: Page 1 of 1
Company: White Pine Copper LLC	PWSID:			Job #: 500-272629
Address: 35362 Mall Circle Drive	Due Date Requested:			
City: White Pine	TAT Requested (days): 10 days			
State, Zip: MI, 49971	Compliance Project: Δ Yes Δ No			
Phone: 906-204-6500	PO #: Purchase Order not required			
Email: AZeidler@whitepinecu.com	WO #:			
Project Name: White Pines, MI	Project #: 50023455			
Site: White Pine North Baseline Sampling	SSOW#:			

Analysis Requested

Preservation Codes:
S - H2SO4
N - None
CB - ZnAcetate/NaOH
B - NaOH
D - HNO3
A - HCL

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	350.1 Ammonia, 365.1 Phos	2320B, 2540C, 2540D, 300.0_28D, 300_48HR, SM2520_B	SM4500_S2_F - Sulfide, Total	335.4 - Cyanide, Total	SM5310_DOC_C - Organic Carbon, Dissolved (DOC) - tripli	6020B, SM2340B Total Metals / Hardness	1638 - Uranium only (ICP/MS)	1631E - Mercury, Low Level (CVAFS)	1630_ME - Methyl Mercury	6020B - Dissolved Metals (ICP/MS) -27 elements	1638 - Dissolved Uranium only (ICP/MS) (field filtered)	1631E - Dissolved Mercury, Low Level (CVAFS) (filtered)	1630_ME - Dissolved Methyl Mercury (field filtered)	5310C - TOC	Total Number of containers	Special Instructions/Note:
			Preservation Code:				S	N	CB	B	S	D	D	N	A	D	D	N	A	S	
5 MW-5SB_20250804	8-4-25	10:30	G	Water	Y		X	X	X	X	X	X	X	X	X	X	X	X	X	X	22	
6 MW-5SB_20250804_FBL	8-4-25	10:30	G	Water										X							2	
7 MW-5A_20250804	8-4-25	12:20	G	Water	Y		X	X	X	X	X	X	X	X	X	X	X	X	X	X	22	
8 MW-5A_20250804_FBL	8-4-25	12:20	G	Water										X							2	
				Water																		
				Water																		
				Water																		
				Water																		
				Water																		
				Water																		
				Water																		

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For ____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements: MDLs must meet Michigan requirements.

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment: FedEx Priority Overnight

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Jacob Dean	8-5-25 08:00	MSG		8-5-25 08:00	MSG
2		8-5-25 10:00	MSG	FEDEX 452318057810		
3				Stephanie Hernandez	8/6/25 0915	EPA

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks:

Eurofins Chicago
18410 Crossing Drive, Suite E
Tinley Park, IL 60487
Phone (708) 534-5200 Phone (262) 202-5955

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Ellen Copperwell	Lab PM: Fredrick, Sandie	Carrier Tracking No(s): 437605685480	COC No: 500-138261-50241.4
Client Contact: Amanda Zeidler	Phone: 517-513-2249	E-Mail: Sandra.Fredrick@et.eurofinsus.com	State of Origin: Michigan	Page: Page 1 of 1
Company: White Pine Copper LLC	PWSID:			Job #: 500-272629
Address: 35362 Mall Circle Drive	Due Date Requested:			
City: White Pine	TAT Requested (days): 10 days			
State, Zip: MI, 49971	Compliance Project: Δ Yes Δ No			
Phone: 906-204-6500	PO #: Purchase Order not required			
Email: AZeidler@whitepinecu.com	WO #:			
Project Name: White Pines, MI	Project #: 50023455			
Site: White Pine North Baseline Sampling	SSOW#:			

Analysis Requested

Preservation Codes:
S - H2SO4
N - None
CB - ZnAcetate/NaOH
B - NaOH
D - HNO3
A - HCL

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	350.1 Ammonia, 365.1 Phos	2320B, 2540C, 2540D, 300.0_28D, 300_48HR, SM2520_B	SM4500_S2_F - Sulfide, Total	335.4 - Cyanide, Total	SM5310_DOC_C - Organic Carbon, Dissolved (DOC) - tripli	6020B, SM2340B Total Metals / Hardness	1638 - Uranium only (ICP/MS)	1631E - Mercury, Low Level (CVAFS)	1630_ME - Methyl Mercury	6020B - Dissolved Metals (ICP/MS) - 27 elements	1638 - Dissolved Uranium only (ICP/MS) (field filtered)	1631E - Dissolved Mercury, Low Level (CVAFS) (filtered)	1630_ME - Dissolved Methyl Mercury (field filtered)	5310C - TOC	Total Number of containers	Special Instructions/Note:
			Preservation Code:		X	X	S	N	CB	B	S	D	D	N	A	D	D	N	A	S	X	
9 SBD-01_20250804	8-4-25	13:00	G	Water			X	X	X	X	X	X	X	X	X	X	X	X	X	X	22	
10 SBD-01_20250804_FBLL	8-4-25	13:00	G	Water										X							2	
11 SBW-01-20250804	8-4-25	14:30	G	Water			X	X	X	X	X	X	X	X	X	X	X	X	X	X	22	
12 SBW-01_20250804_FBLL	8-4-25	14:30	G	Water										X							2	
				Water																		
				Water																		
				Water																		
				Water																		
				Water																		
				Water																		
				Water																		

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements: MDLs must meet Michigan requirements.

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment: FedEx Priority Overnight

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		8-4-25 17:00	MSG		8-4-25 17:00	MSG
2		8-5-25 09:00	MSG	FEDEX 437605685480		
3				Stephanie Hernandez	8/6/25 0905	EEFA

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks:

Eurofins Chicago
18410 Crossing Drive, Suite E
Tinley Park, IL 60487
Phone (708) 534-5200 Phone (262) 202-5955

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: ELLEN COPPERNOLL	Lab PM: Fredrick, Sandie	Carrier Tracking No(s): 437605685469	COC No: 500-138261-50241.3
Client Contact: Amanda Zeidler	Phone: 517-513-2249	E-Mail: Sandra.Fredrick@et.eurofinsus.com	State of Origin: Michigan	Page: Page 1 of 1
Company: White Pine Copper LLC	PWSID:			Job #: 500-272629
Address: 35362 Mall Circle Drive	Due Date Requested:			
City: White Pine	TAT Requested (days): 10 days			
State, Zip: MI, 49971	Compliance Project: Δ Yes Δ No			
Phone: 906-204-6500	PO #: Purchase Order not required			
Email: AZeidler@whitepinecu.com	WO #:			
Project Name: White Pines, MI	Project #: 50023455			
Site: White Pine North Baseline Sampling	SSOW#:			

Analysis Requested

Preservation Codes:
S - H2SO4
N - None
CB - ZnAcetate/NaOH
B - NaOH
D - HNO3
A - HCL

Other:

	Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	350.1 Ammonia, 365.1 Phos	2320B, 2540C, 2540D, 300.0_28D, 300_48HR, SM2520_B	SM4500_S2_F - Sulfide, Total	335.4 - Cyanide, Total	SM5310_DOC_C - Organic Carbon, Dissolved (DOC) - tripli	6020B, SM2340B Total Metals / Hardness	1638 - Uranium only (ICP/MS)	1631E - Mercury, Low Level (CVAFS)	1630_ME - Methyl Mercury	6020B - Dissolved Metals (ICP/MS) - 27 elements	1638 - Dissolved Uranium only (ICP/MS) (field filtered)	1631E - Dissolved Mercury, Low Level (CVAFS) (filtered)	1630_ME - Dissolved Methyl Mercury (field filtered)	5310C - TOC	Total Number of containers	Special Instructions/Note:
				Preservation Code:				S	N	CB	B	S	D	D	N	A	D	D	N	A	S	
13	PNC-02_20250804	8-4-25	15:15	G	Water	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	22	
14	PNC-02_20250804_FBLL	8-4-25	15:15	G	Water										X							2	
15	MLR-02_20250804	8-4-25	16:30	G	Water	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	22	
16	MLR-02_20250804_FBLL	8-4-25	16:30	G	Water										X							2	
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements: MDLs must meet Michigan requirements.

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment: FedEx Priority Overnight

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		8-4-25 17:00	MSG		8-4-25 17:00	MSG
2		8-5-25 09:00	MSG	FEDEX 437605685469		
3				Stephanie Hernandez	8/6/25 0905	EEN

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

Eurofins Chicago
18410 Crossing Drive, Suite E
Tinley Park, IL 60487
Phone (708) 534-5200 Phone (262) 202-5955

Chain of Custody Record

eurofins | Environment Testing

437605685458

Client Information	Sampler: Jacob Dean	Lab PM: Fredrick, Sandie	Carrier Tracking No(s): 437605685447	COC No: 500-138261-50241.5
Client Contact: Amanda Zeidler	Phone: 906-487-7454	E-Mail: Sandra.Fredrick@et.eurofinsus.com	State of Origin: Michigan	Page: Page 1 of 1
Company: White Pine Copper LLC	PWSID:			Job #: 500-272029
Address: 35362 Mall Circle Drive	Due Date Requested:			
City: White Pine	TAT Requested (days): 10 days			
State, Zip: MI, 49971	Compliance Project: Δ Yes Δ No			
Phone: 906-204-6500	PO #: Purchase Order not required			
Email: AZeidler@whitepinecu.com	WO #:			
Project Name: White Pines, MI	Project #: 50023455			
Site: White Pine North Baseline Sampling	SSOW#:			

Analysis Requested

Preservation Codes:
S - H2SO4
N - None
CB - ZnAcetate/NaOH
B - NaOH
D - HNO3
A - HCL

Other:

	Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	350.1 Ammonia, 365.1 Phos	2320B, 2540C, 2540D, 300.0_28D, 300_48HR, SM2520_B	SM4500_S2_F - Sulfide, Total	335.4 - Cyanide, Total	SM5310_DOC_C - Organic Carbon, Dissolved (DOC) - tripli	6020B, SM2340B Total Metals / Hardness	1638 - Uranium only (ICP/MS)	1631E - Mercury, Low Level (CVAFS)	1630_ME - Methyl Mercury	6020B - Dissolved Metals (ICP/MS) - 27 elements	1638 - Dissolved Uranium only (ICP/MS) (field filtered)	1631E - Dissolved Mercury, Low Level (CVAFS) (filtered)	1630_ME - Dissolved Methyl Mercury (field filtered)	5310C - TOC	Total Number of containers	Special Instructions/Note:
				Preservation Code:		X	X	S	N	CB	B	S	D	D	N	A	D	D	N	A	S	X	
17	MW-10_20250804	8-4-25	14:15	6	Water	Y		X	X	X	X	X	X	X	X	X	X	X	X	X	X	22	
18	MW-10_20250804_FBLL	8-4-25	14:15	6	Water										X							2	
19	MW-3A_20250804	8-4-25	16:20	6	Water	Y	Y	X	X	X	X	X	X	X	X	X	X	X	X	X	X	66	
20	MW-3A_20250804_FBLL	8-4-25	16:20	6	Water		Y								X							6	
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		

Possible Hazard Identification
[X] Non-Hazard [ ] Flammable [ ] Skin Irritant [ ] Poison B [ ] Unknown [ ] Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
[ ] Return To Client [X] Disposal By Lab [ ] Archive For _____ Months

Deliverable Requested: I, [II], III, IV, Other (specify)

Special Instructions/QC Requirements: MDLs must meet Michigan requirements.

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment: FedEx Priority Overnight

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Jacob Dean	8-4-25 18:00	MSG		8-4-25 18:00	MSG
2		8-5-25 09:00	MSG	437605685458 FEDEX 437605685447		
3				Stephanie Hamandj	8/4/25 0905	EEA

Custody Seals Intact: Δ Yes Δ No
Custody Seal No.:
Cooler Temperature(s) °C and Other Remarks:


THE MANNIK & SMITH GROUP
616 SHELDEN AVE
SUITE 210
HOUGHTON, MI 49931
UNITED STATES US
CAD 0780307/CAFE3855
TO SAMPLE RECIEPT
EUROFINS
18410 CROSSING DRIVE
SUITE E
TINLEY PARK IL 60487
(262) 202-6955
REF
INV
PO
DEPT
RMA
FedEx
Express
WED - 06 AUG AA
PRIORITY OVERNIGHT
4376 0568 5447
60487
IL-US
ORD
5025547 05Aug2025


THE MANNIK & SMITH GROUP
616 SHELDEN AVE
SUITE 210
HOUGHTON, MI 49931
UNITED STATES US
CAD 0780307/CAFE3855
TO SAMPLE RECIEPT
EUROFINS
18410 CROSSING DRIVE
SUITE E
TINLEY PARK IL 60487
(262) 202-6955
REF:
INV:
PO:
DEPT
RMA
FedEx
Express
WED - 06 AUG AA
PRIORITY OVERNIGHT
4376 0568 5458
60487
IL-US
ORD
5025547 05Aug2025 CMXA 581G2/E4ED/5FE5


JED CHRESTENSEN
THE MANNIK & SMITH GROUP
616 SHELDEN AVE
SUITE 210
HOUGHTON, MI 49931
UNITED STATES US
ACTWGT: 25.00 LB MAN
CAD: 0780307/CAFE3855
Part 139489484 MTW EXP 11/25
TO SAMPLE RECEIPT
EUROFINS
18410 CROSSING DRIVE
SUITE E
TINLEY PARK IL 60487
(708) 534-5200
INV:
PO:
REF:
DEPT:
RMA
FedEx Express
WED - 06 AUG AA
PRIORITY OVERNIGHT
TRK# 0221 4523 1805 7810
79 JOTA
60487
IL-US
ORD


THE MANNIK & SMITH GROUP
616 SHELDEN AVE
SUITE 210
HOUGHTON, MI 49931
UNITED STATES US
CAD: 0780307/CAFE3855
TO SAMPLE RECIEPT
EUROFINS
18410 CROSSING DRIVE
SUITE E
TINLEY PARK IL 60487
(262) 202-5955
INV:
PO:
REF
DEPT
RMA
FedEx Express
WED - 06 AUG AA
PRIORITY OVERNIGHT
TRK# 0221 4376 0568 5469
79 JOTA
60487
IL-US
ORD
5025547 05Aug2025 CMXA 581G2/E4ED/5FE5

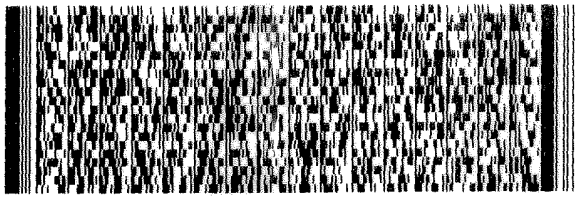
THE MANNIK & SMITH GROUP
616 SHELDEN AVE
SUITE 210
HOUGHTON, MI 49931
UNITED STATES US

CAD: 0780307/CAFE3855

TO **SAMPLE RECIEPT**
EUROFINS
18410 CROSSING DRIVE
SUITE E
TINLEY PARK IL 60487

(262) 202-5955 REF
INV:
PO: DEPT

RMA



FedEx Express

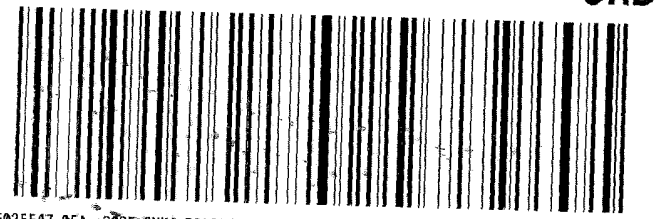


FedEx
TRK# 0221 4376 0568 5470

WED - 06 AUG AA
PRIORITY OVERNIGHT

79 JOTA

60487
IL-US
ORD



5025547 05Aug2025 CMXA 581G2/E4ED/5FE5

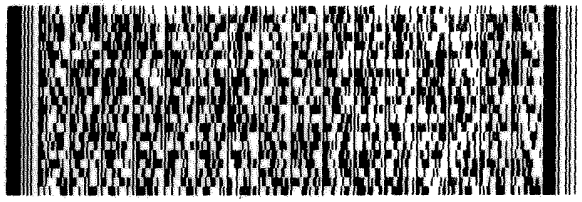
THE MANNIK & SMITH GROUP
616 SHELDEN AVE
SUITE 210
HOUGHTON, MI 49931
UNITED STATES US

CAD: 0780307/CAFE3855

TO **SAMPLE RECIEPT**
EUROFINS
18410 CROSSING DRIVE
SUITE E
TINLEY PARK IL 60487

(262) 202-5955 REF
INV:
PO: DEPT

RMA



FedEx Express



FedEx
TRK# 0221 4376 0568 5480

WED - 06 AUG AA
PRIORITY OVERNIGHT

79 JOTA

60487
IL-US
ORD



5025547 05Aug2025 CMXA 581G2/E4ED/5FE5

Eurofins Chicago
18410 Crossing Drive Suite E
Tinley Park, IL 60487
Phone: 708-534-5200 Fax: 708-534-5211

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Fredrick, Sandie	Carrier Tracking No(s): N/A	COC No: 500-210218.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Sandra.Fredrick@et.eurofinsus.com	State of Origin: Michigan	Page: Page 1 of 2
Company: Eurofins Environment Testing North Centr		Accreditations Required (See note): N/A		Job #: 500-272629-1
Address: 180 S. Van Buren Avenue,	Due Date Requested: 8/19/2025			Preservation Codes:
City: Barberton	TAT Requested (days): N/A			
State, Zip: OH, 44203				
Phone: 330-497-9396(Tel) 330-497-0772(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: White Pines, MI	Project #: 50023455			
Site: N/A	SSOW#: N/A			Other: N/A

Sample Identification Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	SM5310_DOC_C/FIELD_FLTRDDOC	6310CTOC	Total Number of containers	Special Instructions/Note:
			Preservation Code:							R1
ARC-01_20250804 (500-272629-1)	8/4/25	10:00 Eastern	G	Water			X	X	6	
DKC-01_20250804 (500-272629-3)	8/4/25	11 15 Eastern	G	Water			X	X	6	
MW-5SB_20250804 (500-272629-5)	8/4/25	10:30 Eastern	G	Water			X	X	6	
MW-5A_20250804 (500-272629-7)	8/4/25	12:20 Eastern	G	Water			X	X	6	
SBD-01_20250804 (500-272629-9)	8/4/25	13:00 Eastern	G	Water			X	X	6	
SBW-01_20250804 (500-272629-11)	8/4/25	14.30 Eastern	G	Water			X	X	6	
PNC-02_20250804 (500-272629-13)	8/4/25	15:15 Eastern	G	Water			X	X	6	
MLR-02_20250804 (500-272629-15)	8/4/25	16:30 Eastern	G	Water			X	X	6	
MW-10_20250804 (500-272629-17)	8/4/25	14.15 Eastern	G	Water			X	X	6	

Note: Since laboratory accreditations are subject to change, Eurofins Chicago places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Chicago laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Chicago attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Chicago.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I II III IV Other (specify) Primary Deliverable Rank. 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	[signature]	8/12/25 1340		JMOROSKO	8/13/25 1015	EW
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks:

Eurofins Chicago
18410 Crossing Drive Suite E
Tinley Park, IL 60487
Phone: 708-534-5200 Fax: 708-534-5211

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Fredrick, Sandie	Carrier Tracking No(s): N/A	COC No: 500-210218.2
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Sandra.Fredrick@et.eurofinsus.com	State of Origin: Michigan	Page: Page 2 of 2
Company: Eurofins Environment Testing North Centr		Accreditations Required (See note): N/A		Job #: 500-272629-1
Address: 180 S. Van Buren Avenue,	Due Date Requested: 8/19/2025			Preservation Codes:
City: Barberton	TAT Requested (days): N/A			
State, Zip: OH 44203				
Phone: 330-497-9396(Tel) 330-497-0772(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: White Pines, MI	Project #: 50023455			
Site: N/A	SSOW#: N/A			Other: N/A

Analysis Requested

Sample Identification Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	SM5310_DOC_C/FIELD_FLTRDDOC	5310CTOC	Total Number of containers	Special Instructions/Note
			Preservation Code:							R1
MW-3A_20250804 (500-272629-19)	8/4/25	16:20 Eastern	G	Water			X	X	6	
MW-3A_20250804 (500-272629-19MS)	8/4/25	16:20 Eastern	G	Water			X	X	6	
MW-3A_20250804 (500-272629-19MSD)	8/4/25	16:20 Eastern	G	Water			X	X	6	

Note: Since laboratory accreditations are subject to change, Eurofins Chicago places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Chicago laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Chicago attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Chicago.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I II III IV Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
[signature]	8/12/25 1340		JMOROSKO	8/13/25 1015	E
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks:

Eurofins – Cleveland Sample Receipt Form/Narrative Login # _____
Barberton Facility

Client Eur Chicago Site Name _____ Cooler unpacked by: KMartin

Cooler Received on 8/13/25 Opened on 8/13/25

FedEx 1st Grd (Exp) UPS FAS Waypoint Client Drop Off Eurofins Courier Other _____

Receipt After-hours Drop-off Date/Time _____ Storage Location _____

Eurofins Cooler # EC Foam Box Client Cooler Box Other _____

Packing material used. Bubble Wrap Foam Plastic Bag None Other _____

COOLANT Wet Ice Blue Ice Dry Ice Water None

1 Cooler temperature upon receipt [X] See Multiple Cooler Form

IR GUN # 17 (CF +0.2 °C) Observed Cooler Temp. _____ °C Corrected Cooler Temp _____ °C

2	Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity 1	(Yes) No
	-Were the seals on the outside of the cooler(s) signed & dated?	(Yes) No NA
	Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)?	Yes (No)
	Were tamper/custody seals intact and uncompromised?	(Yes) No NA
3	Shippers' packing slip attached to the cooler(s)?	(Yes) No
4	Did custody papers accompany the sample(s)?	(Yes) No
5	Were the custody papers relinquished & signed in the appropriate place?	(Yes) No
6	Was/were the person(s) who collected the samples clearly identified on the COC?	Yes (No)
7	Did all bottles arrive in good condition (Unbroken)?	(Yes) No
8	Could all bottle labels (ID/Date/Time) be reconciled with the COC?	(Yes) No
9	For each sample, does the COC specify preservatives (Y/N), # of containers (Y/N), and sample type of grab/comp (Y/N)?	
10	Were correct bottle(s) used for the test(s) indicated?	(Yes) No
11	Sufficient quantity received to perform indicated analyses?	(Yes) No
12.	Are these work share samples and all listed on the COC?	(Yes) No
	If yes, Questions 13-17 have been checked at the originating laboratory	
13	Were all preserved sample(s) at the correct pH upon receipt?	Yes No NA pH Strip Lot# HC463162
14	Were VOAs on the COC?	Yes No
15	Were air bubbles >6 mm in any VOA vials? ● ← Larger than this	Yes No NA
16	Was a VOA trip blank present in the cooler(s)? Trip Blank Lot # _____	Yes No
17	Was a LL Hg or Me Hg trip blank present? _____	Yes No

Tests that are not checked for pH by Receiving:
VOAs
Oil and Grease
TOC

Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other

Concerning _____

18. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES ☐ additional next page

Labeled by:

Labels Verified by:

_____

_____

_____

_____

19 SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired

Sample(s) _____ were received in a broken container

Sample(s) _____ were received with bubble >6 mm in diameter (Notify PM)

20 SAMPLE PRESERVATION

Sample(s) _____ were further preserved in the laboratory

Time preserved _____ Preservative(s) added/Lot number(s) _____

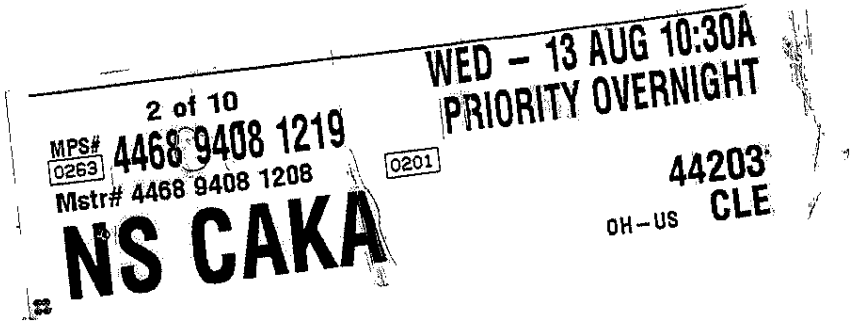
VOA Sample Preservation - Date/Time VOAs Frozen _____

Login # _____

Eurofins - Cleveland Sample Receipt Multiple Cooler Form

Cooler Description (Circle)	IR Gun # (Circle)	Observed Temp °C	Corrected Temp °C	Coolant (Circle)
(EC) Client Box Other	IR GUN #: 17	4.2	4.4	(Wet Ice) Blue Ice Dry Ice Water None
(EC) Client Box Other	IR GUN #:	0.3	0.5	Wet Ice Blue Ice Dry Ice Water None
(EC) Client Box Other	IR GUN #:	3.3	3.5	Wet Ice Blue Ice Dry Ice Water None
(EC) Client Box Other	IR GUN #:	4.5	4.7	Wet Ice Blue Ice Dry Ice Water None
(EC) Client Box Other	IR GUN #:	1.3	1.5	Wet Ice Blue Ice Dry Ice Water None
(EC) Client Box Other	IR GUN #:	1.3	1.5	Wet Ice Blue Ice Dry Ice Water None
(EC) Client Box Other	IR GUN #:	1.4	1.6	Wet Ice Blue Ice Dry Ice Water None
(EC) Client Box Other	IR GUN #:	0.2	0.4	Wet Ice Blue Ice Dry Ice Water None
(EC) Client Box Other	IR GUN #:	0.4	0.6	Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
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EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None

☐ See Temperature Excursion Form


2 of 10
MPS#
0263
4468 9408 1219
Mstr# 4468 9408 1208
0201
WED – 13 AUG 10:30A
PRIORITY OVERNIGHT
44203
OH–US
CLE
NS CAKA

Eurofins Chicago
18410 Crossing Drive Suite E
Tinley Park, IL 60487
Phone: 708-534-5200 Fax: 708-534-5211

Chain of Custody Record

eurofins |

Therm. ID: SC04 Cust. Seal: (Y) / N
Uncorr./Corr. Temp: 0.7 / 0.4 °C
Delivery: UPS / FedEx / Other: ___
Ice Type: Blue / Dry / Wet / None
Label Ver.: 12 Packing: D

Therm. ID: SC03 Cust. Seal: (Y) / N
Uncorr./Corr. Temp: 19.8 / 19.7 °C
Delivery: UPS / FedEx / Other: ___
Ice Type: Blue / Dry / Wet (None)
Label Ver.: h Packing: B

Therm. ID: SC02 Cust. Seal: (Y) / N
Uncorr./Corr. Temp: 2.5 / 2.3 °C
Delivery: UPS / FedEx / Other: ___
Ice Type: Blue / Dry / (Wet) / None
Label Ver.: h Packing: D

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Fredrick, Sandie	Carrier Tracking: N/A
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Sandra.Fredrick@et.eurofinsus.com	State of Origin: Michigan
Company: Eurofins Environment Testing Northwest L		Accreditations Required (See note): N/A	4 Blu
Address: 5755 8th Street East, ,	Due Date Requested: 8/26/2025		
City: Tacoma	TAT Requested (days): N/A		
State, Zip: WA, 98424			
Phone: 253-922-2310(Tel)	PO #: N/A		
Email: N/A	WO #: N/A		
Project Name: White Pines, MI	Project #: 50023455		
Site: N/A	SSOW#: N/A		

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	1638/1638_Prep_WUranium only (ICP/MS)	1631EMercury, Low Level (CVAFS)	1630_ME/1630_Dist_PFPMethyl Mercury	1638/FIELD_FLTRDDissolved Uranium only (ICP/MS) (field f	1631E/FIELD_FLTRDDissolved Mercury, Low Level (CVAFS) (fi	1630_ME/FIELD_FLTRDDissolved Methyl Mercury (field filtered	4 Blu	4 Red	Total Nu	Special Instructions/Note:
Preservation Code:																
ARC-01_20250804 (500-272629-1)	8/4/25	10:00 Eastern	G	Water			X	X	X	X	X	X			8	
ARC-01_20250804_FBLL (500-272629-2)	8/4/25	10:00 Eastern	G	Water				X							2	
DKC-01_20250804 (500-272629-3)	8/4/25	11:15 Eastern	G	Water			X	X	X	X	X	X			8	
DKC-01_20250804_FBLL (500-272629-4)	8/4/25	11:15 Eastern	G	Water				X							2	
MW-5SB_20250804 (500-272629-5)	8/4/25	10:30 Eastern	G	Water			X	X	X	X	X	X			8	
MW-5SB_20250804_FBLL (500-272629-6)	8/4/25	10:30 Eastern	G	Water				X							2	
MW-5A_20250804 (500-272629-7)	8/4/25	12:20 Eastern	G	Water			X	X	X	X	X	X			8	
MW-5A_20250804_FBLL (500-272629-8)	8/4/25	12:20 Eastern	G	Water				X							2	
SBD-01_20250804 (500-272629-9)	8/4/25	13:00 Eastern	G	Water			X	X	X	X	X	X			8	

Note: Since laboratory accreditations are subject to change, Eurofins Chicago places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Chicago laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Chicago attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Chicago.

Possible Hazard Identification *Unconfirmed*	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)* ☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* ___ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:
Empty Kit Relinquished by: / Date:	Time: / Method of Shipment:

	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	08/06/25 1500	EETA		8/7/25 9:50	EETN
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 10/10/2024

8/20/2025

Eurofins Chicago
18410 Crossing Drive Suite E
Tinley Park, IL 60487
Phone 708-534-5200 Fax: 708-534-5211

Chain of Custody Record

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8/20/2025

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Fredrick, Sandie	Carrier Tracking No(s): N/A	COC No: 500-209964 2
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Sandra Fredrick@et eurofinsus com	State of Origin: Michigan	Page: Page 2 of 3
Company: Eurofins Environment Testing Northwest L		Accreditations Required (See note): N/A		Job #: 500-272629-1
Address: 5755 8th Street East, ,	Due Date Requested: 8/26/2025			Preservation Codes: -
City: Tacoma	TAT Requested (days): N/A			
State, Zip: WA, 98424				
Phone: 253-922-2310(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: White Pines, MI	Project #: 50023455			
Site: N/A	SSOW#: N/A			Other: N/A

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	1638/1638_Prep_WUranium only (ICP/MS)	1631EMercury, Low Level (CVAFS)	1630_ME/1630_Dist_PFPMethyl Mercury	1638/FIELD_FLTRDDissolved Uranium only (ICP/MS) (field f	1631E/FIELD_FLTRDDissolved Mercury, Low Level (CVAFS) (fi	1630_ME/FIELD_FLTRDDissolved Methyl Mercury (field filtered	Total Number of containers	Special Instructions/Note:
			Preservation Code:											
SBD-01_20250804_FBLL (500-272629-10)	8/4/25	13 00 Eastern	G	Water				X					2	
SBW-01_20250804 (500-272629-11)	8/4/25	14 30 Eastern	G	Water			X	X	X	X	X	X	8	
SBW-01_20250804_FBLL (500-272629-12)	8/4/25	14 30 Eastern	G	Water				X					2	
PNC-02_20250804 (500-272629-13)	8/4/25	15 15 Eastern	G	Water			X	X	X	X	X	X	8	
PNC-02_20250804_FBLL (500-272629-14)	8/4/25	15 15 Eastern	G	Water				X					2	
MLR-02_20250804 (500-272629-15)	8/4/25	16 30 Eastern	G	Water			X	X	X	X	X	X	8	
MLR-02_20250804_FBLL (500-272629-16)	8/4/25	16 30 Eastern	G	Water				X					2	
MW-10_20250804 (500-272629-17)	8/4/25	14 15 Eastern	G	Water			X	X	X	X	X	X	8	
MW-10_20250804_FBLL (500-272629-18)	8/4/25	14 15 Eastern	G	Water				X					2	

Note. Since laboratory accreditations are subject to change, Eurofins Chicago places the ownership of method analyte & accreditation compliance upon our subcontract laboratories This sample shipment is forwarded under chain-of-custody If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Chicago laboratory or other instructions will be provided Any changes to accreditation status should be brought to Eurofins Chicago attention immediately If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Chicago.

Possible Hazard Identification *Unconfirmed*	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*** ☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested I, II, III, IV, Other (specify) Primary Deliverable Rank. 2	Special Instructions/QC Requirements

Empty Kit Relinquished by:	Date.	Time		Method of Shipment:	
Relinquished by:	Date/Time: 08/06/25 1500	Company: EET A	Received by:	Date/Time: 8/7/25 9:30	Company: EET W
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks.

Ver: 10/10/2024

Eurofins Chicago
18410 Crossing Drive Suite E
Tinley Park, IL 60487
Phone 708-534-5200 Fax. 708-534-5211

Chain of Custody Record

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8/20/2025

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Fredrick, Sandie	Carrier Tracking No(s): N/A	COC No: 500-209964 3
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Sandra Fredrick@et.eurofinsus com	State of Origin: Michigan	Page: Page 3 of 3
Company: Eurofins Environment Testing Northwest L		Accreditations Required (See note): N/A		Job #: 500-272629-1
Address: 5755 8th Street East, ,	Due Date Requested: 8/26/2025			Preservation Codes: -
City: Tacoma	TAT Requested (days): N/A			
State, Zip: WA, 98424				
Phone: 253-922-2310(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: White Pines, MI	Project #: 50023455			
Site: N/A	SSOW#: N/A			Other: N/A

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	1638/1638_Prep_WUranium only (ICP/MS)	1631EMercury, Low Level (CVAFS)	1630_ME/1630_Dist_PFPMethyl Mercury	1638/FIELD_FLTRDDissolved Uranium only (ICP/MS) (field f	1631E/FIELD_FLTRDDissolved Mercury, Low Level (CVAFS) (fi	1630_ME/FIELD_FLTRDDissolved Methyl Mercury (field filtered	Total Number of containers	Special Instructions/Note:
			Preservation Code:											
MW-3A_20250804 (500-272629-19)	8/4/25	16 20 Eastern	G	Water			X	X	X	X	X	X	8	
MW-3A_20250804 (500-272629-19MS)	8/4/25	16 20 Eastern	G	Water			X	X	X	X	X	X	8	
MW-3A_20250804 (500-272629-19MSD)	8/4/25	16 20 Eastern	G	Water			X	X	X	X	X	X	8	
MW-3A_20250804_FBLL (500-272629-20)	8/4/25	16 20 Eastern	G	Water				X					2	
MW-3A_20250804_FBLL (500-272629-20MS)	8/4/25	16 20 Eastern	G	Water				X					2	
MW-3A_20250804_FBLL (500-272629-20MSD)	8/4/25	16 20 Eastern	G	Water				X					2	

Note: Since laboratory accreditations are subject to change Eurofins Chicago places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories This sample shipment is forwarded under chain-of-custody If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Chicago laboratory or other instructions will be provided Any changes to accreditation status should be brought to Eurofins Chicago attention immediately If all requested accreditations are current to date return the signed Chain of Custody attesting to said compliance to Eurofins Chicago.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested I, II, III, IV, Other (specify) Primary Deliverable Rank 2	Special Instructions/QC Requirements

Empty Kit Relinquished by	Date.	Time	Method of Shipment:

	Date/Time	Company		Date/Time	Company
Relinquished by:	08/06/25 1500	EET	Received by:	8/7/25 0900	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time.	Company	Received by:	Date/Time	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks.

Ver: 10/10/2024

Login Sample Receipt Checklist

Client: White Pine Copper LLC

Job Number: 500-272629-1

Login Number: 272629
List Number: 1
Creator: Hernandez, Stephanie

List Source: Eurofins Chicago

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.5,4.9,3.1,0.7,0.2,4.1
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	False	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: White Pine Copper LLC

Job Number: 500-272629-1

Login Number: 272629
List Number: 2
Creator: Miller, Darren R

List Source: Eurofins Seattle Specialty Metals
List Creation: 08/07/25 03:35 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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Date:	8/7/2025
End Time:	15:56
pH Paper Lot:	hc441704
Analyst:	VJ
Pipette:	NO

Preservative ID	Preservative Type	Container ID
A	Hydrochloric Acid	na
ZZZZZZZZZZZZZZZ	ZZZZZZZZZZZZZZZZZZZZZZZ	ZZZZZZZZZZ
ZZZZZZZZZZZZZZZ	ZZZZZZZZZZZZZZZZZZZZZZZ	ZZZZZZZZZZ
ZZZZZZZZZZZZZZZ	ZZZZZZZZZZZZZZZZZZZZZZZ	ZZZZZZZZZZ

Sample ID	Initial pH	Final pH	Preservative ID	Preservative Added (mL)	Comments
500-272629-F-11	<2				
500-272629-E-19 MS	<2				
500-272629-F-13	<2				
500-272629-F-1	<2				
500-272629-E-9	<2				
500-272629-E-19 MS	<2				
500-272629-F-3	<2				
500-272629-F-19 MSD	<2				
500-272629-E-5	<2				
500-272629-E-19 MS	<2			VJ 8/7/25	
500-272629-E-11	<2				
500-272629-E-15	<2				
500-272629-F-15	<2				
500-272629-F-9	<2				
500-272629-E-3	<2				
500-272629-F-7	<2				
500-272629-E-7	<2				
500-272629-F-5	<2				
500-272629-E-17	<2				
500-272629-E-19 MSD	<2				
500-272629-F-19 MSD	<2				
500-272629-F-19 MSD	<2				
500-272629-E-13	<2				
500-272629-F-17	<2				

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Date:	8/7/2025
End Time:	15:50
pH Paper Lot:	hc441704
Analyst:	CL
Pipette:	NA

Preservative ID	Preservative Type	Container ID
A	Nitric Acid	na
ZZZZZZZZZZZZZZZZ	ZZZZZZZZZZZZZZZZZZZZZZZZ	ZZZZZZZZZZ
ZZZZZZZZZZZZZZZZ	ZZZZZZZZZZZZZZZZZZZZZZZZ	ZZZZZZZZZZ
ZZZZZZZZZZZZZZZZ	ZZZZZZZZZZZZZZZZZZZZZZZZ	ZZZZZZZZZZ

Sample ID	Initial pH	Final pH	Preservative ID	Preservative Added (mL)	Comments
500-272629-N-3	CL				
500-272629-M-15	CL				
500-272629-M-13	CL				
500-272629-N-17	CL				
500-272629-M-5	CL				
500-272629-N-13	CL				
500-272629-M-17	CL				
500-272629-N-15	CL				
500-272629-N-1	CL				
500-272629-M-19	CL				
500-272629-N-7	CL				
500-272629-M-3	CL				
500-272629-M-7	CL				
500-272629-N-5	CL				
500-272629-M-19 MS	CL				
500-272629-N-19 MS	CL				
500-272629-M-11	CL				
500-272629-M-19 MSD	CL				
500-272629-N-19 MSD	CL				
500-272629-N-11	CL				
500-272629-N-19	CL				
500-272629-M-9	CL				
500-272629-M-1	CL				
500-272629-N-9	CL				

CL
8/7/25

eurofins | Environment Testing

Date:	8/7/2025
End Time:	15:20
KI Paper Lot:	n
Analyst:	MR
Pipette:	MP_HC04

Preservative ID	Preservative Type	Container ID
A	Bromine Monochloride (0 2N)	104127
ZZZZZZZZZZZZZZZZ	ZZZZZZZZZZZZZZZZZZZZZZZZ	ZZZZZZZZZZ
ZZZZZZZZZZZZZZZZ	ZZZZZZZZZZZZZZZZZZZZZZZZ	ZZZZZZZZZZ
ZZZZZZZZZZZZZZZZ	ZZZZZZZZZZZZZZZZZZZZZZZZ	ZZZZZZZZZZ

Sample ID	Pres. Used (ID)	Oxidized (Y/N)?	Pres. Vol (mL)/Percent (%)		Comments
500-272629-A-1	A	Y	.8	2	
500-272629-B-1	A	Y	.8	2	
500-272629-D-1	A	Y	.8	2	
500-272629-C-1	A	Y	.8	2	
500-272629-A-2	A	Y	.8	2	
500-272629-B-2	A	Y	.8	2	
500-272629-A-3	A	Y	.8	2	
500-272629-B-3	A	Y	.8	2	
500-272629-C-3	A	Y	.8	2	
500-272629-D-3	A	Y	.8	2	
500-272629-A-4	A	Y	.8	2	
500-272629-B-4	A	Y	.8	2	
500-272629-A-5	A	Y	.8	2	
500-272629-B-5	A	Y	.8	2	
500-272629-C-5	A	Y	.8	2	
500-272629-D-5	A	Y	.8	2	
500-272629-A-6	A	Y	.8	2	
500-272629-B-6	A	Y	.8	2	
500-272629-A-7	A	Y	.8	2	
500-272629-B-7	A	Y	.8	2	
500-272629-C-7	A	Y	.8	2	
500-272629-D-7	A	Y	.8	2	
500-272629-A-8	A	Y	.8	2	
500-272629-B-8	A	Y	.8	2	
500-272629-A-9	A	Y	.8	2	
500-272629-B-9	A	Y	.8	2	
500-272629-C-9	A	Y	.8	2	
500-272629-D-9	A	Y	.8	2	
500-272629-A-10	A	Y	.8	2	
500-272629-B-10	A	Y	.8	2	
500-272629-A-11	A	Y	.8	2	
500-272629-B-11	A	Y	.8	2	
500-272629-C-11	A	Y	.8	2	
500-272629-D-11	A	Y	.8	2	
500-272629-A-12	A	Y	.8	2	

MR 8/7/25

eurofins | Environment Testing

Date:	8/7/2025
End Time:	15:20
KI Paper Lot:	n
Analyst:	
Pipette:	MP NF04

Preservative ID	Preservative Type	Container ID
A	Bromine Monochloride (0.2N)	104127
zzzzzzzzzzzzzzz	zzzzzzzzzzzzzzzzzzzzzzz	zzzzzzzzzz
zzzzzzzzzzzzzzz	zzzzzzzzzzzzzzzzzzzzzzz	zzzzzzzzzz
zzzzzzzzzzzzzzz	zzzzzzzzzzzzzzzzzzzzzzz	zzzzzzzzzz

Sample ID	Pres. Used (ID)	Oxidized (Y/N)?	Pres. Vol. (mL)/Percent (%)		Comments
500-272629-D-11	A	Y	.8	2	
500-272629-A-12	A	Y	.8	2	
500-272629-B-12	A	Y	.8	2	
500-272629-A-13	A	Y	.8	2	
500-272629-B-13	A	Y	.8	2	
500-272629-C-13	A	Y	.8	2	
500-272629-D-13	A	Y	.8	2	
500-272629-A-14	A	Y	.8	2	
500-272629-B-14	A	Y	.8	2	
500-272629-A-15	A	Y	.8	2	
500-272629-B-15	A	Y	.8	2	
500-272629-C-15	A	Y	.8	2	
500-272629-D-15	A	Y	.8	2	
500-272629-A-16	A	Y	.8	2	
500-272629-B-16	A	Y	.8	2	
500-272629-A-17	A	Y	.8	2	
500-272629-B-17	A	Y	.8	2	
500-272629-C-17	A	Y	.8	2	
500-272629-D-17	A	Y	.8	2	
500-272629-A-18	A	Y	.8	2	
500-272629-B-18	A	Y	.8	2	
500-272629-A-19	A	Y	.8	2	
500-272629-B-19	A	Y	.8	2	
500-272629-C-19	A	Y	.8	2	
500-272629-D-19	A	Y	.8	2	
500-272629-A-19 MS	A	Y	.8	2	
500-272629-B-19 MS	A	Y	.8	2	
500-272629-C-19 MS	A	Y	.8	2	
500-272629-D-19 MS	A	Y	.8	2	
500-272629-A-19 MSD	A	Y	.8	2	
500-272629-B-19 MSD	A	Y	.8	2	
500-272629-C-19 MSD	A	Y	.8	2	
500-272629-D-19 MSD	A	Y	.8	2	
500-272629-A-20	A	Y	.8	2	
500-272629-B-20	A	Y	.8	2	

8/7/25

eurofins | Environment Testing

Date:	8/7/2025
End Time:	1512
KI Paper Lot:	n
Analyst:	
Pipette:	MP_NC-04

Preservative ID	Preservative Type	Container ID
A	Bromine Monochloride (0 2N)	104127
ZZZZZZZZZZZZZZZZ	ZZZZZZZZZZZZZZZZZZZZZZZZ	ZZZZZZZZZZ
ZZZZZZZZZZZZZZZZ	ZZZZZZZZZZZZZZZZZZZZZZZZ	ZZZZZZZZZZ
ZZZZZZZZZZZZZZZZ	ZZZZZZZZZZZZZZZZZZZZZZZZ	ZZZZZZZZZZ

Sample ID	Pres. Used (ID)	Oxidized (Y/N)?	Pres. Vol. (mL)/Percent (%)	Comments
500-272629-A-20	A	Y	.8 2	
500-272629-B-20	A	Y	.8 2	
500-272629-A-20 MS	A	Y	.8 2	
500-272629-B-20 MS	A	Y	.8 2	
500-272629-A-20 MSD	A	Y	.8 2	
500-272629-B-20 MSD	A	Y	.8 2	

8/7/25

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ANALYTICAL REPORT

PREPARED FOR

Attn: Amanda Zeidler
White Pine Copper LLC
35362 Mall Circle Drive
White Pine, Michigan 49971

Generated 8/21/2025 11:15:20 AM

JOB DESCRIPTION

White Pines, MI

JOB NUMBER

500-272717-1

Eurofins Chicago
18410 Crossing Drive
Suite E
Tinley Park IL 60487

See page two for job notes and contact information.

my EOL

Eurofins Chicago

Job Notes

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. This report is confidential and is intended for the sole use of Eurofins Environment Testing North Central, LLC and its client. All questions regarding this report should be directed to the Eurofins Environment Testing North Central, LLC Project Manager who has signed this report.

Results relate only to the items tested and the sample(s) as received by the laboratory. The results, detection limits (LOD) and Quantitation Limits (LOQ) have been adjusted for sample dilutions and/or solids content.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Chicago Project Manager.

Compliance Statement

The LOD and LOQ reported are adjusted by the dilution factor when a dilution factor greater than 1 is needed. Additionally, where results are indicated as being reported on a dry weight basis, the LOD and LOQ are adjusted for moisture content as well.

Definitions of Limits
- LOD = Limit of Detection = MDL as defined by 40 CFR part 136 Appendix B
- LOQ = Limit of Quantitation = 3.33 x LOD as defined by Wisconsin
- RL = Report Limit = a concentration supported by a standard in the calibration curves

Authorization



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8/21/2025 11:15:20 AM

Authorized for release by
Sandie Fredrick, Senior Project Manager
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Table of Contents

Cover Page 1
Table of Contents 3
Case Narrative 4
Detection Summary 6
Method Summary 18
Sample Summary 19
Client Sample Results 20
Definitions 56
QC Association 57
QC Sample Results 68
Chronicle 85
Certification Summary 95
Chain of Custody 97
Receipt Checklists 123
Field Data Sheets 125

Job Narrative
500-272717-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt
The samples were received on 8/7/2025 9:15 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 9 coolers at receipt time were 0.7°C, 1.8°C, 2.0°C, 2.4°C, 3.4°C, 3.6°C, 4.2°C, 4.5°C and 4.8°C.

Receipt Exceptions
Samples received outside of holding time of IC-N2 and IC-N3 ARC-02_20250805 (500-272717-1) MW-43SB_20250805 (500-272717-3)

Metals
Method 6020B - Dissolved: Dissolved metals results for the following sample is greater than the corresponding total metals results for Lithium: MW-43SB_20250805 (500-272717-3). The dissolved metals and/or total metals results have been confirmed by the analysis of the undigested sample.

Method 6020B - Dissolved: Dissolved metals results for the following sample is greater than the corresponding total metals results: MW-3B_20250805 (500-272717-5). The dissolved metals and/or total metals results have been confirmed by the analysis of the undigested sample.

Method 6020B - Dissolved: Dissolved metals results for the following sample is greater than the corresponding total metals results for Mo: MW-43_20250805 (500-272717-7). The dissolved metals results have been confirmed by the analysis of the undigested sample.

Method 6020B - Dissolved: The following sample was diluted to bring the concentration of target analytes within the calibration range: MW-43SB_20250805 (500-272717-3). Elevated reporting limits (RLs) are provided.

Method 6020B - Total Recoverable: Dissolved metals results for the following sample is greater than the corresponding total metals results for Lithium: MW-43SB_20250805 (500-272717-3). The dissolved metals and/or total metals results have been confirmed by the analysis of the undigested sample.

Method 6020B - Total Recoverable: Dissolved metals results for the following sample is greater than the corresponding total metals results: MW-3B_20250805 (500-272717-5). The dissolved metals and/or total metals results have been confirmed by the analysis of the undigested sample.

Method 6020B - Total Recoverable: Dissolved metals results for the following sample is greater than the corresponding total metals results for Mo: MW-43_20250805 (500-272717-7). The dissolved metals results have been confirmed by the analysis of the undigested sample.

Method 6020B - Total Recoverable: The following sample was diluted to bring the concentration of target analytes within the calibration range: MW-43SB_20250805 (500-272717-3). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry
Method 300_48HR: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 500-829065 were outside

Job ID: 500-272717-1 (Continued) Eurofins Chicago

control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 300_48HR: The following sample was received outside of holding time: ARC-02_20250805 (500-272717-1) MW-43SB_20250805 (500-272717-3)

Method 365.1: The method blank for preparation batch 500-829284 and analytical batch 500-829787 contained Phosphorus as P above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Detection Summary

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-272717-1

Client Sample ID: ARC-02_20250805

Lab Sample ID: 500-272717-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl Mercury	0.14		0.050	0.022	ng/L	1		1630	Total/NA
Methyl Mercury	0.14		0.050	0.022	ng/L	1		1630	Dissolved
Mercury	3.6		0.50	0.20	ng/L	1		1631E	Total/NA
Mercury	2.1		0.50	0.20	ng/L	1		1631E	Dissolved
Uranium	0.16		0.050	0.0098	ug/L	1		1638	Total Recoverable
Uranium	0.10		0.050	0.0098	ug/L	1		1638	Dissolved
Aluminum	1200	F1	100	25	ug/L	1		6020B	Total Recoverable
Arsenic	2.3		1.0	0.23	ug/L	1		6020B	Total Recoverable
Barium	51		2.5	0.73	ug/L	1		6020B	Total Recoverable
Boron	25	J	50	13	ug/L	1		6020B	Total Recoverable
Calcium	19000	F1	200	44	ug/L	1		6020B	Total Recoverable
Chromium	1.9	J	5.0	1.1	ug/L	1		6020B	Total Recoverable
Cobalt	2.2		1.0	0.40	ug/L	1		6020B	Total Recoverable
Copper	6.5		2.0	0.50	ug/L	1		6020B	Total Recoverable
Iron	9200		100	47	ug/L	1		6020B	Total Recoverable
Lead	0.64		0.50	0.19	ug/L	1		6020B	Total Recoverable
Magnesium	4200		200	49	ug/L	1		6020B	Total Recoverable
Manganese	890		2.5	0.79	ug/L	1		6020B	Total Recoverable
Nickel	1.8	J	2.0	0.63	ug/L	1		6020B	Total Recoverable
Potassium	1600		500	110	ug/L	1		6020B	Total Recoverable
Sodium	1700		200	77	ug/L	1		6020B	Total Recoverable
Strontium	64		4.0	0.64	ug/L	1		6020B	Total Recoverable
Vanadium	4.9	J	5.0	2.2	ug/L	1		6020B	Total Recoverable
Aluminum	420		100	25	ug/L	1		6020B	Dissolved
Arsenic	1.9		1.0	0.23	ug/L	1		6020B	Dissolved
Barium	48		2.5	0.73	ug/L	1		6020B	Dissolved
Boron	23	J	50	13	ug/L	1		6020B	Dissolved
Calcium	20000		200	44	ug/L	1		6020B	Dissolved
Chromium	1.2	J	5.0	1.1	ug/L	1		6020B	Dissolved
Cobalt	1.8		1.0	0.40	ug/L	1		6020B	Dissolved
Copper	3.1		2.0	0.50	ug/L	1		6020B	Dissolved
Iron	6800		100	47	ug/L	1		6020B	Dissolved
Lead	0.25	J	0.50	0.19	ug/L	1		6020B	Dissolved
Magnesium	4300		200	49	ug/L	1		6020B	Dissolved
Manganese	910		2.5	0.79	ug/L	1		6020B	Dissolved
Nickel	1.3	J	2.0	0.63	ug/L	1		6020B	Dissolved
Potassium	1500		500	110	ug/L	1		6020B	Dissolved

This Detection Summary does not include radiochemical test results.

Client Sample ID: ARC-02_20250805 (Continued) — Lab Sample ID: 500-272717-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sodium	1800		200	77	ug/L	1		6020B	Dissolved
Strontium	68		4.0	0.64	ug/L	1		6020B	Dissolved
Vanadium	2.9	J	5.0	2.2	ug/L	1		6020B	Dissolved
Hardness as calcium carbonate	64		0.91	0.46	mg/L	1		SM 2340B	Total Recoverable
Chloride	1.1		1.0	0.42	mg/L	1		300.0	Total/NA
Ammonia	1.1		0.20	0.10	mg/L	1		350.1	Total/NA
Phosphorus as P	0.15	B	0.050	0.024	mg/L	1		365.1	Total/NA
Alkalinity	78		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	78		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	82		10	4.3	mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	51		17	6.4	mg/L	1		SM 2540D	Total/NA
Total Organic Carbon	16		1.0	0.44	mg/L	1		SM 5310C	Total/NA
Dissolved Organic Carbon	15		1.0	0.44	mg/L	1		SM 5310C	Dissolved

Client Sample ID: ARC-02_20250805_FBLL — Lab Sample ID: 500-272717-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	0.53		0.50	0.20	ng/L	1		1631E	Total/NA

Client Sample ID: MW-43SB_20250805 — Lab Sample ID: 500-272717-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	0.82		0.50	0.20	ng/L	1		1631E	Total/NA
Mercury	0.58		0.50	0.20	ng/L	1		1631E	Dissolved
Uranium	0.20		0.050	0.0098	ug/L	1		1638	Total Recoverable
Uranium	0.064		0.050	0.0098	ug/L	1		1638	Dissolved
Aluminum	180		100	25	ug/L	1		6020B	Total Recoverable
Arsenic	0.26	J	1.0	0.23	ug/L	1		6020B	Total Recoverable
Barium	210		2.5	0.73	ug/L	1		6020B	Total Recoverable
Boron	110		50	13	ug/L	1		6020B	Total Recoverable
Calcium	100000		200	44	ug/L	1		6020B	Total Recoverable
Copper	1.3	J	2.0	0.50	ug/L	1		6020B	Total Recoverable
Iron	150		100	47	ug/L	1		6020B	Total Recoverable
Lithium	81		10	2.5	ug/L	1		6020B	Total Recoverable
Magnesium	3400		200	49	ug/L	1		6020B	Total Recoverable
Manganese	280		2.5	0.79	ug/L	1		6020B	Total Recoverable
Molybdenum	24		5.0	2.5	ug/L	1		6020B	Total Recoverable
Potassium	1500		500	110	ug/L	1		6020B	Total Recoverable
Sodium	710000		1000	390	ug/L	5		6020B	Total Recoverable
Strontium	2000		4.0	0.64	ug/L	1		6020B	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-43SB_20250805 (Continued) — Lab Sample ID: 500-272717-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tin	2.7	J	5.0	1.3	ug/L	1		6020B	Total Recoverable
Vanadium	2.2	J	5.0	2.2	ug/L	1		6020B	Total Recoverable
Zinc	53		20	6.9	ug/L	1		6020B	Total Recoverable
Barium	190		2.5	0.73	ug/L	1		6020B	Dissolved
Boron	100		50	13	ug/L	1		6020B	Dissolved
Calcium	97000		200	44	ug/L	1		6020B	Dissolved
Lithium	93		10	2.5	ug/L	1		6020B	Dissolved
Magnesium	2600		200	49	ug/L	1		6020B	Dissolved
Manganese	220		2.5	0.79	ug/L	1		6020B	Dissolved
Molybdenum	27		5.0	2.5	ug/L	1		6020B	Dissolved
Potassium	1300		500	110	ug/L	1		6020B	Dissolved
Sodium	700000		1000	390	ug/L	5		6020B	Dissolved
Strontium	2000		4.0	0.64	ug/L	1		6020B	Dissolved
Zinc	37		20	6.9	ug/L	1		6020B	Dissolved
Hardness as calcium carbonate	270		0.91	0.46	mg/L	1		SM 2340B	Total Recoverable
Bromide	14		1.0	0.45	mg/L	1		300.0	Total/NA
Chloride	1300		100	42	mg/L	100		300.0	Total/NA
Fluoride	0.63	J	1.0	0.43	mg/L	1		300.0	Total/NA
Sulfate	6.3		1.0	0.47	mg/L	1		300.0	Total/NA
Phosphorus as P	0.056	B	0.050	0.024	mg/L	1		365.1	Total/NA
Alkalinity	26		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	26		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Salinity	2.6		0.33	0.33	psu	1		SM 2520B	Total/NA
Total Dissolved Solids	2300		10	4.3	mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	3.6	J	5.0	1.9	mg/L	1		SM 2540D	Total/NA
Total Organic Carbon	0.98	J	1.0	0.44	mg/L	1		SM 5310C	Total/NA
Dissolved Organic Carbon	0.87	J	1.0	0.44	mg/L	1		SM 5310C	Dissolved

Client Sample ID: MW-43SB_20250805_FBLL — Lab Sample ID: 500-272717-4

No Detections.

Client Sample ID: MW-3B_20250805 — Lab Sample ID: 500-272717-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl Mercury	0.025	J	0.050	0.022	ng/L	1		1630	Total/NA
Mercury	0.47	J	0.50	0.20	ng/L	1		1631E	Total/NA
Mercury	0.33	J	0.50	0.20	ng/L	1		1631E	Dissolved
Uranium	49		0.050	0.0098	ug/L	1		1638	Total Recoverable
Uranium	46		0.050	0.0098	ug/L	1		1638	Dissolved
Arsenic	0.38	J	1.0	0.23	ug/L	1		6020B	Total Recoverable
Barium	510		2.5	0.73	ug/L	1		6020B	Total Recoverable
Boron	100		50	13	ug/L	1		6020B	Total Recoverable
Calcium	87000		200	44	ug/L	1		6020B	Total Recoverable
Copper	1.1	J	2.0	0.50	ug/L	1		6020B	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-3B_20250805 (Continued) — Lab Sample ID: 500-272717-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Iron	59	J	100	47	ug/L	1		6020B	Total Recoverable
Lithium	41		10	2.5	ug/L	1		6020B	Total Recoverable
Magnesium	60000		200	49	ug/L	1		6020B	Total Recoverable
Manganese	170		2.5	0.79	ug/L	1		6020B	Total Recoverable
Potassium	1600		500	110	ug/L	1		6020B	Total Recoverable
Sodium	33000		200	77	ug/L	1		6020B	Total Recoverable
Strontium	1300		4.0	0.64	ug/L	1		6020B	Total Recoverable
Vanadium	2.8	J	5.0	2.2	ug/L	1		6020B	Total Recoverable
Arsenic	0.50	J	1.0	0.23	ug/L	1		6020B	Dissolved
Barium	500		2.5	0.73	ug/L	1		6020B	Dissolved
Boron	110		50	13	ug/L	1		6020B	Dissolved
Calcium	89000		200	44	ug/L	1		6020B	Dissolved
Cobalt	0.60	J	1.0	0.40	ug/L	1		6020B	Dissolved
Iron	150		100	47	ug/L	1		6020B	Dissolved
Lithium	38		10	2.5	ug/L	1		6020B	Dissolved
Magnesium	61000		200	49	ug/L	1		6020B	Dissolved
Manganese	1100		2.5	0.79	ug/L	1		6020B	Dissolved
Potassium	1700		500	110	ug/L	1		6020B	Dissolved
Sodium	32000		200	77	ug/L	1		6020B	Dissolved
Strontium	1400		4.0	0.64	ug/L	1		6020B	Dissolved
Hardness as calcium carbonate	470		0.91	0.46	mg/L	1		SM 2340B	Total Recoverable
Bromide	0.54	J	1.0	0.45	mg/L	1		300.0	Total/NA
Chloride	59		1.0	0.42	mg/L	1		300.0	Total/NA
Sulfate	12		1.0	0.47	mg/L	1		300.0	Total/NA
Alkalinity	2300		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	2300		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Salinity	0.33		0.33	0.33	psu	1		SM 2520B	Total/NA
Total Dissolved Solids	600		10	4.3	mg/L	1		SM 2540C	Total/NA
Total Organic Carbon	1.1		1.0	0.44	mg/L	1		SM 5310C	Total/NA
Dissolved Organic Carbon	1.2		1.0	0.44	mg/L	1		SM 5310C	Dissolved

Client Sample ID: MW-3B _20250805_FBLL — Lab Sample ID: 500-272717-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	0.49	J	0.50	0.20	ng/L	1		1631E	Total/NA

Client Sample ID: MW-43_20250805 — Lab Sample ID: 500-272717-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	0.25	J	0.50	0.20	ng/L	1		1631E	Total/NA
Mercury	0.23	J	0.50	0.20	ng/L	1		1631E	Dissolved
Uranium	73		0.050	0.0098	ug/L	1		1638	Total Recoverable
Uranium	67		0.050	0.0098	ug/L	1		1638	Dissolved
Aluminum	39	J	100	25	ug/L	1		6020B	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-43_20250805 (Continued)

Lab Sample ID: 500-272717-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.70	J	1.0	0.23	ug/L	1		6020B	Total Recoverable
Barium	260		2.5	0.73	ug/L	1		6020B	Total Recoverable
Boron	70		50	13	ug/L	1		6020B	Total Recoverable
Calcium	20000		200	44	ug/L	1		6020B	Total Recoverable
Copper	0.89	J	2.0	0.50	ug/L	1		6020B	Total Recoverable
Iron	76	J	100	47	ug/L	1		6020B	Total Recoverable
Lithium	44		10	2.5	ug/L	1		6020B	Total Recoverable
Magnesium	1300		200	49	ug/L	1		6020B	Total Recoverable
Manganese	1100		2.5	0.79	ug/L	1		6020B	Total Recoverable
Molybdenum	5.5		5.0	2.5	ug/L	1		6020B	Total Recoverable
Potassium	230	J	500	110	ug/L	1		6020B	Total Recoverable
Sodium	97000		200	77	ug/L	1		6020B	Total Recoverable
Strontium	350		4.0	0.64	ug/L	1		6020B	Total Recoverable
Vanadium	20		5.0	2.2	ug/L	1		6020B	Total Recoverable
Arsenic	0.60	J	1.0	0.23	ug/L	1		6020B	Dissolved
Barium	170		2.5	0.73	ug/L	1		6020B	Dissolved
Boron	70		50	13	ug/L	1		6020B	Dissolved
Calcium	20000		200	44	ug/L	1		6020B	Dissolved
Lithium	45		10	2.5	ug/L	1		6020B	Dissolved
Magnesium	1300		200	49	ug/L	1		6020B	Dissolved
Manganese	59		2.5	0.79	ug/L	1		6020B	Dissolved
Molybdenum	6.6		5.0	2.5	ug/L	1		6020B	Dissolved
Potassium	220	J	500	110	ug/L	1		6020B	Dissolved
Sodium	99000		200	77	ug/L	1		6020B	Dissolved
Strontium	370		4.0	0.64	ug/L	1		6020B	Dissolved
Vanadium	15		5.0	2.2	ug/L	1		6020B	Dissolved
Hardness as calcium carbonate	55		0.91	0.46	mg/L	1		SM 2340B	Total Recoverable
Chloride	1.4		1.0	0.42	mg/L	1		300.0	Total/NA
Sulfate	8.9		1.0	0.47	mg/L	1		300.0	Total/NA
Phosphorus as P	0.027	J B	0.050	0.024	mg/L	1		365.1	Total/NA
Alkalinity	260		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	260		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	250		10	4.3	mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	6.0		5.0	1.9	mg/L	1		SM 2540D	Total/NA
Total Organic Carbon	0.64	J	1.0	0.44	mg/L	1		SM 5310C	Total/NA
Dissolved Organic Carbon	0.65	J	1.0	0.44	mg/L	1		SM 5310C	Dissolved

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-272717-1

Client Sample ID: MW-43_20250805_FBLL — Lab Sample ID: 500-272717-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	0.79		0.50	0.20	ng/L	1		1631E	Total/NA

Client Sample ID: MW-2A_20250805 — Lab Sample ID: 500-272717-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	0.30	J	0.50	0.20	ng/L	1		1631E	Total/NA
Mercury	1.1		0.50	0.20	ng/L	1		1631E	Dissolved
Uranium	0.74		0.050	0.0098	ug/L	1		1638	Total Recoverable
Uranium	0.69		0.050	0.0098	ug/L	1		1638	Dissolved
Arsenic	1.9		1.0	0.23	ug/L	1		6020B	Total Recoverable
Barium	520		2.5	0.73	ug/L	1		6020B	Total Recoverable
Boron	270		50	13	ug/L	1		6020B	Total Recoverable
Calcium	160000		200	44	ug/L	1		6020B	Total Recoverable
Cobalt	0.81	J	1.0	0.40	ug/L	1		6020B	Total Recoverable
Iron	6300		100	47	ug/L	1		6020B	Total Recoverable
Lithium	41		10	2.5	ug/L	1		6020B	Total Recoverable
Magnesium	50000		200	49	ug/L	1		6020B	Total Recoverable
Manganese	1400		2.5	0.79	ug/L	1		6020B	Total Recoverable
Nickel	0.85	J	2.0	0.63	ug/L	1		6020B	Total Recoverable
Potassium	1700		500	110	ug/L	1		6020B	Total Recoverable
Sodium	45000		200	77	ug/L	1		6020B	Total Recoverable
Strontium	2100		4.0	0.64	ug/L	1		6020B	Total Recoverable
Arsenic	1.7		1.0	0.23	ug/L	1		6020B	Dissolved
Barium	510		2.5	0.73	ug/L	1		6020B	Dissolved
Boron	260		50	13	ug/L	1		6020B	Dissolved
Calcium	150000		200	44	ug/L	1		6020B	Dissolved
Cobalt	0.77	J	1.0	0.40	ug/L	1		6020B	Dissolved
Iron	5800		100	47	ug/L	1		6020B	Dissolved
Lithium	41		10	2.5	ug/L	1		6020B	Dissolved
Magnesium	48000		200	49	ug/L	1		6020B	Dissolved
Manganese	1400		2.5	0.79	ug/L	1		6020B	Dissolved
Nickel	0.72	J	2.0	0.63	ug/L	1		6020B	Dissolved
Potassium	1700		500	110	ug/L	1		6020B	Dissolved
Sodium	43000		200	77	ug/L	1		6020B	Dissolved
Strontium	2100		4.0	0.64	ug/L	1		6020B	Dissolved
Hardness as calcium carbonate	600		0.91	0.46	mg/L	1		SM 2340B	Total Recoverable
Bromide	0.78	J	1.0	0.45	mg/L	1		300.0	Total/NA
Chloride	94		1.0	0.42	mg/L	1		300.0	Total/NA
Sulfate	1.8		1.0	0.47	mg/L	1		300.0	Total/NA
Ammonia	5.5		0.20	0.10	mg/L	1		350.1	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-2A_20250805 (Continued) — Lab Sample ID: 500-272717-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Phosphorus as P	0.074	B	0.050	0.024	mg/L	1		365.1	Total/NA
Alkalinity	540		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	540		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Salinity	0.48		0.33	0.33	psu	1		SM 2520B	Total/NA
Total Dissolved Solids	650		10	4.3	mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	13		5.0	1.9	mg/L	1		SM 2540D	Total/NA
Sulfide	0.58	J	1.0	0.23	mg/L	1		SM 4500 S2 F	Total/NA
Total Organic Carbon	8.0		1.0	0.44	mg/L	1		SM 5310C	Total/NA
Dissolved Organic Carbon	8.2		1.0	0.44	mg/L	1		SM 5310C	Dissolved

Client Sample ID: MW-2A_20250805_FBLL — Lab Sample ID: 500-272717-10

No Detections.

Client Sample ID: MW-44_20250805 — Lab Sample ID: 500-272717-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	0.25	J	0.50	0.20	ng/L	1		1631E	Total/NA
Mercury	0.21	J	0.50	0.20	ng/L	1		1631E	Dissolved
Uranium	13		0.050	0.0098	ug/L	1		1638	Total Recoverable
Uranium	13		0.050	0.0098	ug/L	1		1638	Dissolved
Aluminum	180		100	25	ug/L	1		6020B	Total Recoverable
Arsenic	0.33	J	1.0	0.23	ug/L	1		6020B	Total Recoverable
Barium	290		2.5	0.73	ug/L	1		6020B	Total Recoverable
Boron	220		50	13	ug/L	1		6020B	Total Recoverable
Calcium	39000		200	44	ug/L	1		6020B	Total Recoverable
Copper	0.91	J	2.0	0.50	ug/L	1		6020B	Total Recoverable
Iron	200		100	47	ug/L	1		6020B	Total Recoverable
Lithium	31		10	2.5	ug/L	1		6020B	Total Recoverable
Magnesium	9700		200	49	ug/L	1		6020B	Total Recoverable
Manganese	160		2.5	0.79	ug/L	1		6020B	Total Recoverable
Molybdenum	54		5.0	2.5	ug/L	1		6020B	Total Recoverable
Potassium	960		500	110	ug/L	1		6020B	Total Recoverable
Sodium	94000		200	77	ug/L	1		6020B	Total Recoverable
Strontium	810		4.0	0.64	ug/L	1		6020B	Total Recoverable
Arsenic	0.33	J	1.0	0.23	ug/L	1		6020B	Dissolved
Barium	300		2.5	0.73	ug/L	1		6020B	Dissolved
Boron	200		50	13	ug/L	1		6020B	Dissolved
Calcium	42000		200	44	ug/L	1		6020B	Dissolved
Lithium	32		10	2.5	ug/L	1		6020B	Dissolved
Magnesium	11000		200	49	ug/L	1		6020B	Dissolved

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-44_20250805 (Continued) — Lab Sample ID: 500-272717-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Manganese	150		2.5	0.79	ug/L	1		6020B	Dissolved
Molybdenum	39		5.0	2.5	ug/L	1		6020B	Dissolved
Potassium	940		500	110	ug/L	1		6020B	Dissolved
Sodium	87000		200	77	ug/L	1		6020B	Dissolved
Strontium	870		4.0	0.64	ug/L	1		6020B	Dissolved
Hardness as calcium carbonate	140		0.91	0.46	mg/L	1		SM 2340B	Total Recoverable
Bromide	0.55	J	1.0	0.45	mg/L	1		300.0	Total/NA
Chloride	61		1.0	0.42	mg/L	1		300.0	Total/NA
Fluoride	0.97	J	1.0	0.43	mg/L	1		300.0	Total/NA
Sulfate	15		1.0	0.47	mg/L	1		300.0	Total/NA
Ammonia	0.11	J	0.20	0.10	mg/L	1		350.1	Total/NA
Phosphorus as P	0.066	B	0.050	0.024	mg/L	1		365.1	Total/NA
Alkalinity	250	B	5.0	3.7	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	250	B	5.0	3.7	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	340		10	4.3	mg/L	1		SM 2540C	Total/NA
Total Organic Carbon	1.0		1.0	0.44	mg/L	1		SM 5310C	Total/NA
Dissolved Organic Carbon	0.93	J	1.0	0.44	mg/L	1		SM 5310C	Dissolved

Client Sample ID: MW-44_20250805_FBLL — Lab Sample ID: 500-272717-12

No Detections.

Client Sample ID: CBR-01_20250805 — Lab Sample ID: 500-272717-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl Mercury	0.30		0.050	0.022	ng/L	1		1630	Total/NA
Methyl Mercury	0.095		0.050	0.022	ng/L	1		1630	Dissolved
Mercury	1.7		0.50	0.20	ng/L	1		1631E	Total/NA
Mercury	1.7		0.50	0.20	ng/L	1		1631E	Dissolved
Uranium	0.31		0.050	0.0098	ug/L	1		1638	Total Recoverable
Uranium	0.30		0.050	0.0098	ug/L	1		1638	Dissolved
Aluminum	460		100	25	ug/L	1		6020B	Total Recoverable
Arsenic	0.54	J	1.0	0.23	ug/L	1		6020B	Total Recoverable
Barium	61		2.5	0.73	ug/L	1		6020B	Total Recoverable
Boron	88		50	13	ug/L	1		6020B	Total Recoverable
Calcium	26000		200	44	ug/L	1		6020B	Total Recoverable
Copper	3.0		2.0	0.50	ug/L	1		6020B	Total Recoverable
Iron	680		100	47	ug/L	1		6020B	Total Recoverable
Lithium	3.1	J	10	2.5	ug/L	1		6020B	Total Recoverable
Magnesium	6600		200	49	ug/L	1		6020B	Total Recoverable
Manganese	65		2.5	0.79	ug/L	1		6020B	Total Recoverable
Nickel	0.73	J	2.0	0.63	ug/L	1		6020B	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client Sample ID: CBR-01_20250805 (Continued) — Lab Sample ID: 500-272717-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Potassium	1200		500	110	ug/L	1		6020B	Total Recoverable
Sodium	7600		200	77	ug/L	1		6020B	Total Recoverable
Strontium	120		4.0	0.64	ug/L	1		6020B	Total Recoverable
Aluminum	28	J	100	25	ug/L	1		6020B	Dissolved
Arsenic	0.42	J	1.0	0.23	ug/L	1		6020B	Dissolved
Barium	54		2.5	0.73	ug/L	1		6020B	Dissolved
Boron	87		50	13	ug/L	1		6020B	Dissolved
Calcium	25000		200	44	ug/L	1		6020B	Dissolved
Copper	2.1		2.0	0.50	ug/L	1		6020B	Dissolved
Iron	160		100	47	ug/L	1		6020B	Dissolved
Lithium	2.7	J	10	2.5	ug/L	1		6020B	Dissolved
Magnesium	6300		200	49	ug/L	1		6020B	Dissolved
Manganese	9.2		2.5	0.79	ug/L	1		6020B	Dissolved
Potassium	1100		500	110	ug/L	1		6020B	Dissolved
Sodium	7500		200	77	ug/L	1		6020B	Dissolved
Strontium	110		4.0	0.64	ug/L	1		6020B	Dissolved
Hardness as calcium carbonate	91		0.91	0.46	mg/L	1		SM 2340B	Total Recoverable
Chloride	14		1.0	0.42	mg/L	1		300.0	Total/NA
Sulfate	1.0		1.0	0.47	mg/L	1		300.0	Total/NA
Phosphorus as P	0.047	J B	0.050	0.024	mg/L	1		365.1	Total/NA
Alkalinity	91	B	5.0	3.7	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	91	B	5.0	3.7	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	68		10	4.3	mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	11		5.0	1.9	mg/L	1		SM 2540D	Total/NA
Sulfide	0.68	J	1.0	0.23	mg/L	1		SM 4500 S2 F	Total/NA
Total Organic Carbon	9.3		1.0	0.44	mg/L	1		SM 5310C	Total/NA
Dissolved Organic Carbon	9.3		1.0	0.44	mg/L	1		SM 5310C	Dissolved

Client Sample ID: CBR-01_20250805_FBLL — Lab Sample ID: 500-272717-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	0.52		0.50	0.20	ng/L	1		1631E	Total/NA

Client Sample ID: MW-2B_20250805 — Lab Sample ID: 500-272717-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	0.41	J	0.50	0.20	ng/L	1		1631E	Total/NA
Mercury	0.31	J	0.50	0.20	ng/L	1		1631E	Dissolved
Uranium	17		0.050	0.0098	ug/L	1		1638	Total Recoverable
Uranium	17		0.050	0.0098	ug/L	1		1638	Dissolved
Aluminum	140		100	25	ug/L	1		6020B	Total Recoverable
Arsenic	1.8		1.0	0.23	ug/L	1		6020B	Total Recoverable
Barium	690		2.5	0.73	ug/L	1		6020B	Total Recoverable
Boron	100		50	13	ug/L	1		6020B	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-2B_20250805 (Continued) — Lab Sample ID: 500-272717-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	96000		200	44	ug/L	1		6020B	Total Recoverable
Cobalt	0.83	J	1.0	0.40	ug/L	1		6020B	Total Recoverable
Copper	1.2	J	2.0	0.50	ug/L	1		6020B	Total Recoverable
Iron	460		100	47	ug/L	1		6020B	Total Recoverable
Lithium	32		10	2.5	ug/L	1		6020B	Total Recoverable
Magnesium	61000		200	49	ug/L	1		6020B	Total Recoverable
Manganese	330		2.5	0.79	ug/L	1		6020B	Total Recoverable
Molybdenum	2.5	J	5.0	2.5	ug/L	1		6020B	Total Recoverable
Nickel	1.1	J	2.0	0.63	ug/L	1		6020B	Total Recoverable
Potassium	3300		500	110	ug/L	1		6020B	Total Recoverable
Sodium	20000		200	77	ug/L	1		6020B	Total Recoverable
Strontium	1200		4.0	0.64	ug/L	1		6020B	Total Recoverable
Vanadium	2.6	J	5.0	2.2	ug/L	1		6020B	Total Recoverable
Arsenic	1.6		1.0	0.23	ug/L	1		6020B	Dissolved
Barium	650		2.5	0.73	ug/L	1		6020B	Dissolved
Boron	92		50	13	ug/L	1		6020B	Dissolved
Calcium	92000		200	44	ug/L	1		6020B	Dissolved
Cobalt	0.64	J	1.0	0.40	ug/L	1		6020B	Dissolved
Iron	240		100	47	ug/L	1		6020B	Dissolved
Lithium	32		10	2.5	ug/L	1		6020B	Dissolved
Magnesium	60000		200	49	ug/L	1		6020B	Dissolved
Manganese	300		2.5	0.79	ug/L	1		6020B	Dissolved
Nickel	0.73	J	2.0	0.63	ug/L	1		6020B	Dissolved
Potassium	3200		500	110	ug/L	1		6020B	Dissolved
Sodium	19000		200	77	ug/L	1		6020B	Dissolved
Strontium	1100		4.0	0.64	ug/L	1		6020B	Dissolved
Hardness as calcium carbonate	490		0.91	0.46	mg/L	1		SM 2340B	Total Recoverable
Chloride	45		1.0	0.42	mg/L	1		300.0	Total/NA
Sulfate	13		1.0	0.47	mg/L	1		300.0	Total/NA
Phosphorus as P	0.035	J B	0.050	0.024	mg/L	1		365.1	Total/NA
Alkalinity	450	B	5.0	3.7	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	450	B	5.0	3.7	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	480		10	4.3	mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	6.4		5.0	1.9	mg/L	1		SM 2540D	Total/NA
Total Organic Carbon	1.7		1.0	0.44	mg/L	1		SM 5310C	Total/NA
Dissolved Organic Carbon	1.9		1.0	0.44	mg/L	1		SM 5310C	Dissolved

Client Sample ID: MW-2B_20250805_FBLL — Lab Sample ID: 500-272717-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	0.20	J	0.50	0.20	ng/L	1		1631E	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-272717-1

Client Sample ID: DUP-01_GW-20250805

Lab Sample ID: 500-272717-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl Mercury	0.025	J	0.050	0.022	ng/L	1		1630	Total/NA
Mercury	0.45	J	0.50	0.20	ng/L	1		1631E	Total/NA
Mercury	0.36	J	0.50	0.20	ng/L	1		1631E	Dissolved
Uranium	0.72		0.050	0.0098	ug/L	1		1638	Total Recoverable
Uranium	0.69		0.050	0.0098	ug/L	1		1638	Dissolved
Arsenic	1.9		1.0	0.23	ug/L	1		6020B	Total Recoverable
Barium	510		2.5	0.73	ug/L	1		6020B	Total Recoverable
Boron	270		50	13	ug/L	1		6020B	Total Recoverable
Calcium	160000		200	44	ug/L	1		6020B	Total Recoverable
Cobalt	0.96	J	1.0	0.40	ug/L	1		6020B	Total Recoverable
Iron	6200		100	47	ug/L	1		6020B	Total Recoverable
Lithium	43		10	2.5	ug/L	1		6020B	Total Recoverable
Magnesium	50000		200	49	ug/L	1		6020B	Total Recoverable
Manganese	1400		2.5	0.79	ug/L	1		6020B	Total Recoverable
Nickel	0.86	J	2.0	0.63	ug/L	1		6020B	Total Recoverable
Potassium	1700		500	110	ug/L	1		6020B	Total Recoverable
Sodium	45000		200	77	ug/L	1		6020B	Total Recoverable
Strontium	2100		4.0	0.64	ug/L	1		6020B	Total Recoverable
Arsenic	1.7		1.0	0.23	ug/L	1		6020B	Dissolved
Barium	500		2.5	0.73	ug/L	1		6020B	Dissolved
Boron	260		50	13	ug/L	1		6020B	Dissolved
Calcium	150000		200	44	ug/L	1		6020B	Dissolved
Cobalt	0.83	J	1.0	0.40	ug/L	1		6020B	Dissolved
Iron	5600		100	47	ug/L	1		6020B	Dissolved
Lithium	42		10	2.5	ug/L	1		6020B	Dissolved
Magnesium	48000		200	49	ug/L	1		6020B	Dissolved
Manganese	1400		2.5	0.79	ug/L	1		6020B	Dissolved
Nickel	0.70	J	2.0	0.63	ug/L	1		6020B	Dissolved
Potassium	1700		500	110	ug/L	1		6020B	Dissolved
Sodium	43000		200	77	ug/L	1		6020B	Dissolved
Strontium	2100		4.0	0.64	ug/L	1		6020B	Dissolved
Hardness as calcium carbonate	600		0.91	0.46	mg/L	1		SM 2340B	Total Recoverable
Bromide	0.78	J	1.0	0.45	mg/L	1		300.0	Total/NA
Chloride	94		1.0	0.42	mg/L	1		300.0	Total/NA
Sulfate	1.7		1.0	0.47	mg/L	1		300.0	Total/NA
Phosphorus as P	0.082	B	0.050	0.024	mg/L	1		365.1	Total/NA
Alkalinity	540		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	540		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Salinity	0.48		0.33	0.33	psu	1		SM 2520B	Total/NA
Total Dissolved Solids	680		10	4.3	mg/L	1		SM 2540C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Chicago

Client Sample ID: DUP-01_GW-20250805 (Continued) — Lab Sample ID: 500-272717-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Suspended Solids	14		5.0	1.9	mg/L	1		SM 2540D	Total/NA
Total Organic Carbon	7.9		1.0	0.44	mg/L	1		SM 5310C	Total/NA
Dissolved Organic Carbon	8.1		1.0	0.44	mg/L	1		SM 5310C	Dissolved

Client Sample ID: DUP-01_GW-20250805_FBLL — Lab Sample ID: 500-272717-18

No Detections.

This Detection Summary does not include radiochemical test results.

Method Summary

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-272717-1

Method	Method Description	Protocol	Laboratory
1630	Methyl Mercury	EPA	EET SSM
1631E	Mercury, Low Level (CVAFS)	EPA	EET SSM
1638	Metals (ICP/MS)	EPA	EET SSM
6020B	Metals (ICP/MS)	SW846	EET CHI
SM 2340B	Total Hardness (as CaCO3) by calculation	SM	EET CHI
300.0	Anions, Ion Chromatography	EPA	EET CHI
335.4	Cyanide, Total	EPA	EET CHI
350.1	Nitrogen, Ammonia	EPA	EET CHI
365.1	Phosphorus, Total	EPA	EET CHI
SM 2320B	Alkalinity	SM	EET CHI
SM 2520B	Salinity	SM	EET CHI
SM 2540C	Solids, Total Dissolved (TDS)	SM	EET CHI
SM 2540D	Solids, Total Suspended (TSS)	SM	EET CHI
SM 4500 S2 F	Sulfide, Total	SM	EET CHI
SM 5310C	Organic Carbon, Dissolved (DOC)	SM	EET CLE
SM 5310C	Total Organic Carbon	SM	EET CLE
1630	Distillation, Methyl Mercury	EPA	EET SSM
1638	Preparation, Total Recoverable Metals	EPA	EET SSM
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET CHI
365.2/365.3/365	Phosphorus, Total	EPA	EET CHI
Distill/Ammonia	Distillation, Ammonia	None	EET CHI
Distill/CN	Distillation, Cyanide	None	EET CHI

Protocol References:

EPA = US Environmental Protection Agency
None = None
SM = "Standard Methods For The Examination Of Water And Wastewater"
SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET CHI = Eurofins Chicago, 18410 Crossing Drive, Suite E, Tinley Park, IL 60487, TEL (708)534-5200
EET CLE = Eurofins Cleveland, 180 S. Van Buren Avenue, Barberton, OH 44203, TEL (330)497-9396
EET SSM = Eurofins Seattle Specialty Metals, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

Sample Summary

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-272717-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
500-272717-1	ARC-02_20250805	Water	08/05/25 09:30	08/07/25 09:15	Michigan
500-272717-2	ARC-02_20250805_FBLL	Water	08/05/25 09:30	08/07/25 09:15	Michigan
500-272717-3	MW-43SB_20250805	Water	08/05/25 11:15	08/07/25 09:15	Michigan
500-272717-4	MW-43SB_20250805_FBLL	Water	08/05/25 11:15	08/07/25 09:15	Michigan
500-272717-5	MW-3B_20250805	Water	08/05/25 11:40	08/07/25 09:15	Michigan
500-272717-6	MW-3B _20250805_FBLL	Water	08/05/25 11:40	08/07/25 09:15	Michigan
500-272717-7	MW-43_20250805	Water	08/05/25 12:30	08/07/25 09:15	Michigan
500-272717-8	MW-43_20250805_FBLL	Water	08/05/25 12:30	08/07/25 09:15	Michigan
500-272717-9	MW-2A_20250805	Water	08/05/25 13:20	08/07/25 09:15	Michigan
500-272717-10	MW-2A_20250805_FBLL	Water	08/05/25 13:20	08/07/25 09:15	Michigan
500-272717-11	MW-44_20250805	Water	08/05/25 14:00	08/07/25 09:15	Michigan
500-272717-12	MW-44_20250805_FBLL	Water	08/05/25 14:00	08/07/25 09:15	Michigan
500-272717-13	CBR-01_20250805	Water	08/05/25 15:15	08/07/25 09:15	Michigan
500-272717-14	CBR-01_20250805_FBLL	Water	08/05/25 15:15	08/07/25 09:15	Michigan
500-272717-15	MW-2B_20250805	Water	08/05/25 15:20	08/07/25 09:15	Michigan
500-272717-16	MW-2B_20250805_FBLL	Water	08/05/25 15:20	08/07/25 09:15	Michigan
500-272717-17	DUP-01_GW-20250805	Water	08/05/25 00:00	08/07/25 09:15	Michigan
500-272717-18	DUP-01_GW-20250805_FBLL	Water	08/05/25 00:00	08/07/25 09:15	Michigan

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-272717-1

Client Sample ID: ARC-02_20250805

Date Collected: 08/05/25 09:30
Date Received: 08/07/25 09:15

Lab Sample ID: 500-272717-1

Matrix: Water

Method: EPA 1630 - Methyl Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	0.14		0.050	0.022	ng/L		08/14/25 12:07	08/14/25 20:48	1

Method: EPA 1630 - Methyl Mercury - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	0.14		0.050	0.022	ng/L		08/14/25 12:07	08/14/25 20:37	1

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	3.6		0.50	0.20	ng/L			08/11/25 19:56	1

Method: EPA 1631E - Mercury, Low Level (CVAFS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	2.1		0.50	0.20	ng/L			08/11/25 20:00	1

Method: EPA 1638 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	0.16		0.050	0.0098	ug/L		08/15/25 13:12	08/18/25 16:28	1

Method: EPA 1638 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	0.10		0.050	0.0098	ug/L		08/15/25 13:12	08/18/25 14:21	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	1200	F1	100	25	ug/L		08/13/25 08:09	08/19/25 12:30	1
Antimony	<1.3		3.0	1.3	ug/L		08/13/25 08:09	08/19/25 12:30	1
Arsenic	2.3		1.0	0.23	ug/L		08/13/25 08:09	08/19/25 12:30	1
Barium	51		2.5	0.73	ug/L		08/13/25 08:09	08/19/25 12:30	1
Beryllium	<0.53		1.0	0.53	ug/L		08/13/25 08:09	08/19/25 12:30	1
Boron	25	J	50	13	ug/L		08/13/25 08:09	08/19/25 12:30	1
Cadmium	<0.17		0.50	0.17	ug/L		08/13/25 08:09	08/19/25 12:30	1
Calcium	19000	F1	200	44	ug/L		08/13/25 08:09	08/19/25 12:30	1
Chromium	1.9	J	5.0	1.1	ug/L		08/13/25 08:09	08/19/25 12:30	1
Cobalt	2.2		1.0	0.40	ug/L		08/13/25 08:09	08/19/25 12:30	1
Copper	6.5		2.0	0.50	ug/L		08/13/25 08:09	08/19/25 12:30	1
Iron	9200		100	47	ug/L		08/13/25 08:09	08/19/25 12:30	1
Lead	0.64		0.50	0.19	ug/L		08/13/25 08:09	08/19/25 12:30	1
Lithium	<2.5		10	2.5	ug/L		08/13/25 08:09	08/19/25 12:30	1
Magnesium	4200		200	49	ug/L		08/13/25 08:09	08/19/25 12:30	1
Manganese	890		2.5	0.79	ug/L		08/13/25 08:09	08/19/25 12:30	1
Molybdenum	<2.5		5.0	2.5	ug/L		08/13/25 08:09	08/19/25 12:30	1
Nickel	1.8	J	2.0	0.63	ug/L		08/13/25 08:09	08/19/25 12:30	1
Potassium	1600		500	110	ug/L		08/13/25 08:09	08/19/25 12:30	1
Selenium	<0.98		2.5	0.98	ug/L		08/13/25 08:09	08/19/25 12:30	1
Silver	<0.12		0.50	0.12	ug/L		08/13/25 08:09	08/19/25 12:30	1
Sodium	1700		200	77	ug/L		08/13/25 08:09	08/19/25 12:30	1
Strontium	64		4.0	0.64	ug/L		08/13/25 08:09	08/19/25 12:30	1
Thallium	<0.57		2.0	0.57	ug/L		08/13/25 08:09	08/19/25 12:30	1
Tin	<1.3		5.0	1.3	ug/L		08/13/25 08:09	08/19/25 12:30	1
Vanadium	4.9	J	5.0	2.2	ug/L		08/13/25 08:09	08/19/25 12:30	1
Zinc	<6.9		20	6.9	ug/L		08/13/25 08:09	08/19/25 12:30	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-272717-1

Client Sample ID: ARC-02_20250805

Date Collected: 08/05/25 09:30
Date Received: 08/07/25 09:15

Lab Sample ID: 500-272717-1

Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**420**		100	25	ug/L		08/13/25 08:09	08/19/25 13:04	1
Antimony	<1.3		3.0	1.3	ug/L		08/13/25 08:09	08/19/25 13:04	1
Arsenic	**1.9**		1.0	0.23	ug/L		08/13/25 08:09	08/19/25 13:04	1
Barium	**48**		2.5	0.73	ug/L		08/13/25 08:09	08/19/25 13:04	1
Beryllium	<0.53		1.0	0.53	ug/L		08/13/25 08:09	08/19/25 13:04	1
Boron	**23**	**J**	50	13	ug/L		08/13/25 08:09	08/19/25 13:04	1
Cadmium	<0.17		0.50	0.17	ug/L		08/13/25 08:09	08/19/25 13:04	1
Calcium	**20000**		200	44	ug/L		08/13/25 08:09	08/19/25 13:04	1
Chromium	**1.2**	**J**	5.0	1.1	ug/L		08/13/25 08:09	08/19/25 13:04	1
Cobalt	**1.8**		1.0	0.40	ug/L		08/13/25 08:09	08/19/25 13:04	1
Copper	**3.1**		2.0	0.50	ug/L		08/13/25 08:09	08/19/25 13:04	1
Iron	**6800**		100	47	ug/L		08/13/25 08:09	08/19/25 13:04	1
Lead	**0.25**	**J**	0.50	0.19	ug/L		08/13/25 08:09	08/19/25 13:04	1
Lithium	<2.5		10	2.5	ug/L		08/13/25 08:09	08/19/25 13:04	1
Magnesium	**4300**		200	49	ug/L		08/13/25 08:09	08/19/25 13:04	1
Manganese	**910**		2.5	0.79	ug/L		08/13/25 08:09	08/19/25 13:04	1
Molybdenum	<2.5		5.0	2.5	ug/L		08/13/25 08:09	08/19/25 13:04	1
Nickel	**1.3**	**J**	2.0	0.63	ug/L		08/13/25 08:09	08/19/25 13:04	1
Potassium	**1500**		500	110	ug/L		08/13/25 08:09	08/19/25 13:04	1
Selenium	<0.98		2.5	0.98	ug/L		08/13/25 08:09	08/19/25 13:04	1
Silver	<0.12		0.50	0.12	ug/L		08/13/25 08:09	08/19/25 13:04	1
Sodium	**1800**		200	77	ug/L		08/13/25 08:09	08/19/25 13:04	1
Strontium	**68**		4.0	0.64	ug/L		08/13/25 08:09	08/19/25 13:04	1
Thallium	<0.57		2.0	0.57	ug/L		08/13/25 08:09	08/19/25 13:04	1
Tin	<1.3		5.0	1.3	ug/L		08/13/25 08:09	08/19/25 13:04	1
Vanadium	**2.9**	**J**	5.0	2.2	ug/L		08/13/25 08:09	08/19/25 13:04	1
Zinc	<6.9		20	6.9	ug/L		08/13/25 08:09	08/19/25 13:04	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**64**		0.91	0.46	mg/L		08/13/25 08:09	08/20/25 09:56	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	<0.45		1.0	0.45	mg/L			08/07/25 13:14	1
Nitrate as N (EPA 300.0)	<0.37	H3	1.0	0.37	mg/L			08/07/25 13:14	1
Chloride (EPA 300.0)	**1.1**		1.0	0.42	mg/L			08/07/25 13:14	1
Nitrite as N (EPA 300.0)	<0.25	H3	1.0	0.25	mg/L			08/07/25 13:14	1
Fluoride (EPA 300.0)	<0.43		1.0	0.43	mg/L			08/07/25 13:14	1
Nitrate Nitrite as N (EPA 300.0)	<0.37	H3	1.0	0.37	mg/L			08/07/25 13:14	1
Sulfate (EPA 300.0)	<0.47		1.0	0.47	mg/L			08/07/25 13:14	1
Cyanide, Total (EPA 335.4)	<0.0036		0.0050	0.0036	mg/L		08/12/25 14:03	08/13/25 11:39	1
Ammonia (EPA 350.1)	**1.1**		0.20	0.10	mg/L		08/19/25 13:45	08/19/25 17:29	1
Phosphorus as P (EPA 365.1)	**0.15**	**B**	0.050	0.024	mg/L		08/08/25 11:35	08/12/25 17:43	1
Alkalinity (SM 2320B)	**78**		5.0	3.7	mg/L			08/10/25 13:55	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**78**		5.0	3.7	mg/L			08/10/25 13:55	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<3.7		5.0	3.7	mg/L			08/10/25 13:55	1
Salinity (SM 2520B)	<0.33		0.33	0.33	psu			08/11/25 16:26	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-272717-1

Client Sample ID: ARC-02_20250805
Date Collected: 08/05/25 09:30
Date Received: 08/07/25 09:15

Lab Sample ID: 500-272717-1
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	82		10	4.3	mg/L			08/11/25 03:23	1
Total Suspended Solids (SM 2540D)	51		17	6.4	mg/L			08/08/25 01:52	1
Sulfide (SM 4500 S2 F)	<0.23		1.0	0.23	mg/L			08/11/25 09:44	1
Total Organic Carbon (SM 5310C)	16		1.0	0.44	mg/L			08/14/25 11:34	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Method
Dissolved Organic Carbon (SM 5310C)	15		1.0	0.44	mg/L		08/14/25 12:46	1	SM 5310C

Client Sample Results

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-272717-1

Client Sample ID: ARC-02_20250805_FBLL
Date Collected: 08/05/25 09:30
Date Received: 08/07/25 09:15

Lab Sample ID: 500-272717-2
Matrix: Water

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.53		0.50	0.20	ng/L			08/11/25 20:13	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-272717-1

Client Sample ID: MW-43SB_20250805

Date Collected: 08/05/25 11:15
Date Received: 08/07/25 09:15

Lab Sample ID: 500-272717-3

Matrix: Water

Method: EPA 1630 - Methyl Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		08/14/25 12:07	08/14/25 20:58	1

Method: EPA 1630 - Methyl Mercury - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		08/14/25 12:07	08/14/25 21:08	1

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.82**		0.50	0.20	ng/L			08/11/25 20:17	1

Method: EPA 1631E - Mercury, Low Level (CVAFS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.58**		0.50	0.20	ng/L			08/11/25 20:21	1

Method: EPA 1638 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.20**		0.050	0.0098	ug/L		08/15/25 13:12	08/18/25 16:32	1

Method: EPA 1638 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.064**		0.050	0.0098	ug/L		08/15/25 13:12	08/18/25 14:33	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**180**		100	25	ug/L		08/13/25 08:09	08/19/25 12:42	1
Antimony	<1.3		3.0	1.3	ug/L		08/13/25 08:09	08/19/25 12:42	1
Arsenic	**0.26**	**J**	1.0	0.23	ug/L		08/13/25 08:09	08/19/25 12:42	1
Barium	**210**		2.5	0.73	ug/L		08/13/25 08:09	08/19/25 12:42	1
Beryllium	<0.53		1.0	0.53	ug/L		08/13/25 08:09	08/19/25 12:42	1
Boron	**110**		50	13	ug/L		08/13/25 08:09	08/19/25 12:42	1
Cadmium	<0.17		0.50	0.17	ug/L		08/13/25 08:09	08/19/25 12:42	1
Calcium	**100000**		200	44	ug/L		08/13/25 08:09	08/19/25 12:42	1
Chromium	<1.1		5.0	1.1	ug/L		08/13/25 08:09	08/19/25 12:42	1
Cobalt	<0.40		1.0	0.40	ug/L		08/13/25 08:09	08/19/25 12:42	1
Copper	**1.3**	**J**	2.0	0.50	ug/L		08/13/25 08:09	08/19/25 12:42	1
Iron	**150**		100	47	ug/L		08/13/25 08:09	08/19/25 12:42	1
Lead	<0.19		0.50	0.19	ug/L		08/13/25 08:09	08/19/25 12:42	1
Lithium	**81**		10	2.5	ug/L		08/13/25 08:09	08/19/25 12:42	1
Magnesium	**3400**		200	49	ug/L		08/13/25 08:09	08/19/25 12:42	1
Manganese	**280**		2.5	0.79	ug/L		08/13/25 08:09	08/19/25 12:42	1
Molybdenum	**24**		5.0	2.5	ug/L		08/13/25 08:09	08/19/25 12:42	1
Nickel	<0.63		2.0	0.63	ug/L		08/13/25 08:09	08/19/25 12:42	1
Potassium	**1500**		500	110	ug/L		08/13/25 08:09	08/19/25 12:42	1
Selenium	<0.98		2.5	0.98	ug/L		08/13/25 08:09	08/19/25 12:42	1
Silver	<0.12		0.50	0.12	ug/L		08/13/25 08:09	08/19/25 12:42	1
Sodium	**710000**		1000	390	ug/L		08/13/25 08:09	08/20/25 16:33	5
Strontium	**2000**		4.0	0.64	ug/L		08/13/25 08:09	08/19/25 12:42	1
Thallium	<0.57		2.0	0.57	ug/L		08/13/25 08:09	08/19/25 12:42	1
Tin	**2.7**	**J**	5.0	1.3	ug/L		08/13/25 08:09	08/19/25 12:42	1
Vanadium	**2.2**	**J**	5.0	2.2	ug/L		08/13/25 08:09	08/19/25 12:42	1
Zinc	**53**		20	6.9	ug/L		08/13/25 08:09	08/19/25 12:42	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-272717-1

Client Sample ID: MW-43SB_20250805

Date Collected: 08/05/25 11:15
Date Received: 08/07/25 09:15

Lab Sample ID: 500-272717-3

Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<25		100	25	ug/L		08/13/25 08:09	08/19/25 13:07	1
Antimony	<1.3		3.0	1.3	ug/L		08/13/25 08:09	08/19/25 13:07	1
Arsenic	<0.23		1.0	0.23	ug/L		08/13/25 08:09	08/19/25 13:07	1
Barium	**190**		2.5	0.73	ug/L		08/13/25 08:09	08/19/25 13:07	1
Beryllium	<0.53		1.0	0.53	ug/L		08/13/25 08:09	08/19/25 13:07	1
Boron	**100**		50	13	ug/L		08/13/25 08:09	08/19/25 13:07	1
Cadmium	<0.17		0.50	0.17	ug/L		08/13/25 08:09	08/19/25 13:07	1
Calcium	**97000**		200	44	ug/L		08/13/25 08:09	08/19/25 13:07	1
Chromium	<1.1		5.0	1.1	ug/L		08/13/25 08:09	08/19/25 13:07	1
Cobalt	<0.40		1.0	0.40	ug/L		08/13/25 08:09	08/19/25 13:07	1
Copper	<0.50		2.0	0.50	ug/L		08/13/25 08:09	08/19/25 13:07	1
Iron	<47		100	47	ug/L		08/13/25 08:09	08/19/25 13:07	1
Lead	<0.19		0.50	0.19	ug/L		08/13/25 08:09	08/19/25 13:07	1
Lithium	**93**		10	2.5	ug/L		08/13/25 08:09	08/19/25 13:07	1
Magnesium	**2600**		200	49	ug/L		08/13/25 08:09	08/19/25 13:07	1
Manganese	**220**		2.5	0.79	ug/L		08/13/25 08:09	08/19/25 13:07	1
Molybdenum	**27**		5.0	2.5	ug/L		08/13/25 08:09	08/19/25 13:07	1
Nickel	<0.63		2.0	0.63	ug/L		08/13/25 08:09	08/19/25 13:07	1
Potassium	**1300**		500	110	ug/L		08/13/25 08:09	08/19/25 13:07	1
Selenium	<0.98		2.5	0.98	ug/L		08/13/25 08:09	08/19/25 13:07	1
Silver	<0.12		0.50	0.12	ug/L		08/13/25 08:09	08/19/25 13:07	1
Sodium	**700000**		1000	390	ug/L		08/13/25 08:09	08/20/25 16:45	5
Strontium	**2000**		4.0	0.64	ug/L		08/13/25 08:09	08/19/25 13:07	1
Thallium	<0.57		2.0	0.57	ug/L		08/13/25 08:09	08/19/25 13:07	1
Tin	<1.3		5.0	1.3	ug/L		08/13/25 08:09	08/19/25 13:07	1
Vanadium	<2.2		5.0	2.2	ug/L		08/13/25 08:09	08/19/25 13:07	1
Zinc	**37**		20	6.9	ug/L		08/13/25 08:09	08/19/25 13:07	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**270**		0.91	0.46	mg/L		08/13/25 08:09	08/20/25 09:56	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	**14**		1.0	0.45	mg/L			08/07/25 13:29	1
Nitrate as N (EPA 300.0)	<0.37	H	1.0	0.37	mg/L			08/07/25 13:29	1
Chloride (EPA 300.0)	**1300**		100	42	mg/L			08/19/25 12:48	100
Nitrite as N (EPA 300.0)	<0.25	H	1.0	0.25	mg/L			08/07/25 13:29	1
Fluoride (EPA 300.0)	**0.63**	**J**	1.0	0.43	mg/L			08/07/25 13:29	1
Nitrate Nitrite as N (EPA 300.0)	<0.37	H	1.0	0.37	mg/L			08/07/25 13:29	1
Sulfate (EPA 300.0)	**6.3**		1.0	0.47	mg/L			08/07/25 13:29	1
Cyanide, Total (EPA 335.4)	<0.0036		0.0050	0.0036	mg/L		08/12/25 14:03	08/13/25 11:39	1
Ammonia (EPA 350.1)	<0.10		0.20	0.10	mg/L		08/19/25 13:45	08/19/25 17:29	1
Phosphorus as P (EPA 365.1)	**0.056**	**B**	0.050	0.024	mg/L		08/08/25 11:35	08/12/25 17:43	1
Alkalinity (SM 2320B)	**26**		5.0	3.7	mg/L			08/10/25 14:04	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**26**		5.0	3.7	mg/L			08/10/25 14:04	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<3.7		5.0	3.7	mg/L			08/10/25 14:04	1
Salinity (SM 2520B)	**2.6**		0.33	0.33	psu			08/11/25 16:26	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-272717-1

Client Sample ID: MW-43SB_20250805
Date Collected: 08/05/25 11:15
Date Received: 08/07/25 09:15

Lab Sample ID: 500-272717-3
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	2300		10	4.3	mg/L			08/11/25 03:30	1
Total Suspended Solids (SM 2540D)	3.6	J	5.0	1.9	mg/L			08/08/25 01:55	1
Sulfide (SM 4500 S2 F)	<0.23		1.0	0.23	mg/L			08/11/25 09:48	1
Total Organic Carbon (SM 5310C)	0.98	J	1.0	0.44	mg/L			08/14/25 13:11	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Method
Dissolved Organic Carbon (SM 5310C)	0.87	J	1.0	0.44	mg/L		08/14/25 13:36	1	SM 5310C

Client Sample Results

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-272717-1

Client Sample ID: MW-43SB_20250805_FBLL

Lab Sample ID: 500-272717-4

Date Collected: 08/05/25 11:15
Matrix: Water
Date Received: 08/07/25 09:15

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			08/11/25 20:25	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-272717-1

Client Sample ID: MW-3B_20250805

Date Collected: 08/05/25 11:40
Date Received: 08/07/25 09:15

Lab Sample ID: 500-272717-5

Matrix: Water

Method: EPA 1630 - Methyl Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	**0.025**	**J**	0.050	0.022	ng/L		08/14/25 12:07	08/14/25 21:18	1

Method: EPA 1630 - Methyl Mercury - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		08/14/25 12:07	08/14/25 21:28	1

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.47**	**J**	0.50	0.20	ng/L			08/11/25 20:29	1

Method: EPA 1631E - Mercury, Low Level (CVAFS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.33**	**J**	0.50	0.20	ng/L			08/11/25 20:33	1

Method: EPA 1638 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**49**		0.050	0.0098	ug/L		08/15/25 13:12	08/18/25 16:36	1

Method: EPA 1638 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**46**		0.050	0.0098	ug/L		08/15/25 13:12	08/18/25 14:36	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<25		100	25	ug/L		08/13/25 08:09	08/20/25 16:37	1
Antimony	<1.3		3.0	1.3	ug/L		08/13/25 08:09	08/20/25 16:37	1
Arsenic	**0.38**	**J**	1.0	0.23	ug/L		08/13/25 08:09	08/20/25 16:37	1
Barium	**510**		2.5	0.73	ug/L		08/13/25 08:09	08/20/25 16:37	1
Beryllium	<0.53		1.0	0.53	ug/L		08/13/25 08:09	08/20/25 16:37	1
Boron	**100**		50	13	ug/L		08/13/25 08:09	08/20/25 16:37	1
Cadmium	<0.17		0.50	0.17	ug/L		08/13/25 08:09	08/20/25 16:37	1
Calcium	**87000**		200	44	ug/L		08/13/25 08:09	08/20/25 16:37	1
Chromium	<1.1		5.0	1.1	ug/L		08/13/25 08:09	08/20/25 16:37	1
Cobalt	<0.40		1.0	0.40	ug/L		08/13/25 08:09	08/20/25 16:37	1
Copper	**1.1**	**J**	2.0	0.50	ug/L		08/13/25 08:09	08/20/25 16:37	1
Iron	**59**	**J**	100	47	ug/L		08/13/25 08:09	08/20/25 16:37	1
Lead	<0.19		0.50	0.19	ug/L		08/13/25 08:09	08/20/25 16:37	1
Lithium	**41**		10	2.5	ug/L		08/13/25 08:09	08/20/25 16:37	1
Magnesium	**60000**		200	49	ug/L		08/13/25 08:09	08/20/25 16:37	1
Manganese	**170**		2.5	0.79	ug/L		08/13/25 08:09	08/20/25 16:37	1
Molybdenum	<2.5		5.0	2.5	ug/L		08/13/25 08:09	08/20/25 16:37	1
Nickel	<0.63		2.0	0.63	ug/L		08/13/25 08:09	08/20/25 16:37	1
Potassium	**1600**		500	110	ug/L		08/13/25 08:09	08/20/25 16:37	1
Selenium	<0.98		2.5	0.98	ug/L		08/13/25 08:09	08/20/25 16:37	1
Silver	<0.12		0.50	0.12	ug/L		08/13/25 08:09	08/20/25 16:37	1
Sodium	**33000**		200	77	ug/L		08/13/25 08:09	08/20/25 16:37	1
Strontium	**1300**		4.0	0.64	ug/L		08/13/25 08:09	08/20/25 16:37	1
Thallium	<0.57		2.0	0.57	ug/L		08/13/25 08:09	08/20/25 16:37	1
Tin	<1.3		5.0	1.3	ug/L		08/13/25 08:09	08/20/25 16:37	1
Vanadium	**2.8**	**J**	5.0	2.2	ug/L		08/13/25 08:09	08/20/25 16:37	1
Zinc	<6.9		20	6.9	ug/L		08/13/25 08:09	08/20/25 16:37	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-272717-1

Client Sample ID: MW-3B_20250805

Date Collected: 08/05/25 11:40
Date Received: 08/07/25 09:15

Lab Sample ID: 500-272717-5

Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<25		100	25	ug/L		08/13/25 08:09	08/20/25 16:49	1
Antimony	<1.3		3.0	1.3	ug/L		08/13/25 08:09	08/20/25 16:49	1
Arsenic	**0.50**	**J**	1.0	0.23	ug/L		08/13/25 08:09	08/20/25 16:49	1
Barium	**500**		2.5	0.73	ug/L		08/13/25 08:09	08/20/25 16:49	1
Beryllium	<0.53		1.0	0.53	ug/L		08/13/25 08:09	08/20/25 16:49	1
Boron	**110**		50	13	ug/L		08/13/25 08:09	08/20/25 16:49	1
Cadmium	<0.17		0.50	0.17	ug/L		08/13/25 08:09	08/20/25 16:49	1
Calcium	**89000**		200	44	ug/L		08/13/25 08:09	08/20/25 16:49	1
Chromium	<1.1		5.0	1.1	ug/L		08/13/25 08:09	08/20/25 16:49	1
Cobalt	**0.60**	**J**	1.0	0.40	ug/L		08/13/25 08:09	08/20/25 16:49	1
Copper	<0.50		2.0	0.50	ug/L		08/13/25 08:09	08/20/25 16:49	1
Iron	**150**		100	47	ug/L		08/13/25 08:09	08/20/25 16:49	1
Lead	<0.19		0.50	0.19	ug/L		08/13/25 08:09	08/20/25 16:49	1
Lithium	**38**		10	2.5	ug/L		08/13/25 08:09	08/20/25 16:49	1
Magnesium	**61000**		200	49	ug/L		08/13/25 08:09	08/20/25 16:49	1
Manganese	**1100**		2.5	0.79	ug/L		08/13/25 08:09	08/20/25 16:49	1
Molybdenum	<2.5		5.0	2.5	ug/L		08/13/25 08:09	08/20/25 16:49	1
Nickel	<0.63		2.0	0.63	ug/L		08/13/25 08:09	08/20/25 16:49	1
Potassium	**1700**		500	110	ug/L		08/13/25 08:09	08/20/25 16:49	1
Selenium	<0.98		2.5	0.98	ug/L		08/13/25 08:09	08/20/25 16:49	1
Silver	<0.12		0.50	0.12	ug/L		08/13/25 08:09	08/20/25 16:49	1
Sodium	**32000**		200	77	ug/L		08/13/25 08:09	08/20/25 16:49	1
Strontium	**1400**		4.0	0.64	ug/L		08/13/25 08:09	08/20/25 16:49	1
Thallium	<0.57		2.0	0.57	ug/L		08/13/25 08:09	08/20/25 16:49	1
Tin	<1.3		5.0	1.3	ug/L		08/13/25 08:09	08/20/25 16:49	1
Vanadium	<2.2		5.0	2.2	ug/L		08/13/25 08:09	08/20/25 16:49	1
Zinc	<6.9		20	6.9	ug/L		08/13/25 08:09	08/20/25 16:49	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**470**		0.91	0.46	mg/L		08/13/25 08:09	08/21/25 10:25	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	**0.54**	**J**	1.0	0.45	mg/L			08/07/25 10:22	1
Nitrate as N (EPA 300.0)	<0.37		1.0	0.37	mg/L			08/07/25 10:22	1
Chloride (EPA 300.0)	**59**		1.0	0.42	mg/L			08/19/25 13:04	1
Nitrite as N (EPA 300.0)	<0.25		1.0	0.25	mg/L			08/07/25 10:22	1
Fluoride (EPA 300.0)	<0.43		1.0	0.43	mg/L			08/07/25 10:22	1
Nitrate Nitrite as N (EPA 300.0)	<0.37		1.0	0.37	mg/L			08/07/25 10:22	1
Sulfate (EPA 300.0)	**12**		1.0	0.47	mg/L			08/07/25 10:22	1
Cyanide, Total (EPA 335.4)	<0.0036		0.0050	0.0036	mg/L		08/12/25 14:23	08/13/25 11:46	1
Ammonia (EPA 350.1)	<0.10		0.20	0.10	mg/L		08/19/25 13:45	08/19/25 17:30	1
Phosphorus as P (EPA 365.1)	<0.024		0.050	0.024	mg/L		08/08/25 11:35	08/12/25 17:44	1
Alkalinity (SM 2320B)	**2300**		5.0	3.7	mg/L			08/10/25 14:12	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**2300**		5.0	3.7	mg/L			08/10/25 14:12	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<3.7		5.0	3.7	mg/L			08/10/25 14:12	1
Salinity (SM 2520B)	**0.33**		0.33	0.33	psu			08/14/25 14:13	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-272717-1

Client Sample ID: MW-3B_20250805
Date Collected: 08/05/25 11:40
Date Received: 08/07/25 09:15

Lab Sample ID: 500-272717-5
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**600**		10	4.3	mg/L			08/11/25 03:36	1
Total Suspended Solids (SM 2540D)	<1.9		5.0	1.9	mg/L			08/08/25 01:57	1
Sulfide (SM 4500 S2 F)	<0.23		1.0	0.23	mg/L			08/11/25 09:52	1
Total Organic Carbon (SM 5310C)	**1.1**		1.0	0.44	mg/L			08/14/25 13:59	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Method
Dissolved Organic Carbon (SM 5310C)	**1.2**		1.0	0.44	mg/L		08/14/25 15:15	1	SM 5310C

Client Sample Results

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-272717-1

Client Sample ID: MW-3B _20250805_FBLL
Date Collected: 08/05/25 11:40
Date Received: 08/07/25 09:15

Lab Sample ID: 500-272717-6
Matrix: Water

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.49	J	0.50	0.20	ng/L			08/11/25 20:37	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-272717-1

Client Sample ID: MW-43_20250805

Date Collected: 08/05/25 12:30
Date Received: 08/07/25 09:15

Lab Sample ID: 500-272717-7
Matrix: Water

Method: EPA 1630 - Methyl Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		08/14/25 12:07	08/14/25 22:09	1

Method: EPA 1630 - Methyl Mercury - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		08/14/25 12:07	08/14/25 21:59	1

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.25**	**J**	0.50	0.20	ng/L			08/14/25 17:15	1

Method: EPA 1631E - Mercury, Low Level (CVAFS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.23**	**J**	0.50	0.20	ng/L			08/14/25 17:19	1

Method: EPA 1638 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**73**		0.050	0.0098	ug/L		08/15/25 13:12	08/18/25 16:47	1

Method: EPA 1638 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**67**		0.050	0.0098	ug/L		08/15/25 13:12	08/18/25 14:40	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**39**	**J**	100	25	ug/L		08/13/25 08:09	08/19/25 12:51	1
Antimony	<1.3		3.0	1.3	ug/L		08/13/25 08:09	08/19/25 12:51	1
Arsenic	**0.70**	**J**	1.0	0.23	ug/L		08/13/25 08:09	08/19/25 12:51	1
Barium	**260**		2.5	0.73	ug/L		08/13/25 08:09	08/19/25 12:51	1
Beryllium	<0.53		1.0	0.53	ug/L		08/13/25 08:09	08/19/25 12:51	1
Boron	**70**		50	13	ug/L		08/13/25 08:09	08/19/25 12:51	1
Cadmium	<0.17		0.50	0.17	ug/L		08/13/25 08:09	08/19/25 12:51	1
Calcium	**20000**		200	44	ug/L		08/13/25 08:09	08/19/25 12:51	1
Chromium	<1.1		5.0	1.1	ug/L		08/13/25 08:09	08/19/25 12:51	1
Cobalt	<0.40		1.0	0.40	ug/L		08/13/25 08:09	08/19/25 12:51	1
Copper	**0.89**	**J**	2.0	0.50	ug/L		08/13/25 08:09	08/19/25 12:51	1
Iron	**76**	**J**	100	47	ug/L		08/13/25 08:09	08/19/25 12:51	1
Lead	<0.19		0.50	0.19	ug/L		08/13/25 08:09	08/19/25 12:51	1
Lithium	**44**		10	2.5	ug/L		08/13/25 08:09	08/19/25 12:51	1
Magnesium	**1300**		200	49	ug/L		08/13/25 08:09	08/19/25 12:51	1
Manganese	**1100**		2.5	0.79	ug/L		08/13/25 08:09	08/19/25 12:51	1
Molybdenum	**5.5**		5.0	2.5	ug/L		08/13/25 08:09	08/19/25 12:51	1
Nickel	<0.63		2.0	0.63	ug/L		08/13/25 08:09	08/19/25 12:51	1
Potassium	**230**	**J**	500	110	ug/L		08/13/25 08:09	08/19/25 12:51	1
Selenium	<0.98		2.5	0.98	ug/L		08/13/25 08:09	08/19/25 12:51	1
Silver	<0.12		0.50	0.12	ug/L		08/13/25 08:09	08/19/25 12:51	1
Sodium	**97000**		200	77	ug/L		08/13/25 08:09	08/19/25 12:51	1
Strontium	**350**		4.0	0.64	ug/L		08/13/25 08:09	08/19/25 12:51	1
Thallium	<0.57		2.0	0.57	ug/L		08/13/25 08:09	08/19/25 12:51	1
Tin	<1.3		5.0	1.3	ug/L		08/13/25 08:09	08/19/25 12:51	1
Vanadium	**20**		5.0	2.2	ug/L		08/13/25 08:09	08/19/25 12:51	1
Zinc	<6.9		20	6.9	ug/L		08/13/25 08:09	08/19/25 12:51	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-272717-1

Client Sample ID: MW-43_20250805

Date Collected: 08/05/25 12:30
Date Received: 08/07/25 09:15

Lab Sample ID: 500-272717-7

Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<25		100	25	ug/L		08/13/25 08:09	08/19/25 13:16	1
Antimony	<1.3		3.0	1.3	ug/L		08/13/25 08:09	08/19/25 13:16	1
Arsenic	**0.60**	**J**	1.0	0.23	ug/L		08/13/25 08:09	08/19/25 13:16	1
Barium	**170**		2.5	0.73	ug/L		08/13/25 08:09	08/19/25 13:16	1
Beryllium	<0.53		1.0	0.53	ug/L		08/13/25 08:09	08/19/25 13:16	1
Boron	**70**		50	13	ug/L		08/13/25 08:09	08/19/25 13:16	1
Cadmium	<0.17		0.50	0.17	ug/L		08/13/25 08:09	08/19/25 13:16	1
Calcium	**20000**		200	44	ug/L		08/13/25 08:09	08/19/25 13:16	1
Chromium	<1.1		5.0	1.1	ug/L		08/13/25 08:09	08/19/25 13:16	1
Cobalt	<0.40		1.0	0.40	ug/L		08/13/25 08:09	08/19/25 13:16	1
Copper	<0.50		2.0	0.50	ug/L		08/13/25 08:09	08/19/25 13:16	1
Iron	<47		100	47	ug/L		08/13/25 08:09	08/19/25 13:16	1
Lead	<0.19		0.50	0.19	ug/L		08/13/25 08:09	08/19/25 13:16	1
Lithium	**45**		10	2.5	ug/L		08/13/25 08:09	08/19/25 13:16	1
Magnesium	**1300**		200	49	ug/L		08/13/25 08:09	08/19/25 13:16	1
Manganese	**59**		2.5	0.79	ug/L		08/13/25 08:09	08/19/25 13:16	1
Molybdenum	**6.6**		5.0	2.5	ug/L		08/13/25 08:09	08/19/25 13:16	1
Nickel	<0.63		2.0	0.63	ug/L		08/13/25 08:09	08/19/25 13:16	1
Potassium	**220**	**J**	500	110	ug/L		08/13/25 08:09	08/19/25 13:16	1
Selenium	<0.98		2.5	0.98	ug/L		08/13/25 08:09	08/19/25 13:16	1
Silver	<0.12		0.50	0.12	ug/L		08/13/25 08:09	08/19/25 13:16	1
Sodium	**99000**		200	77	ug/L		08/13/25 08:09	08/19/25 13:16	1
Strontium	**370**		4.0	0.64	ug/L		08/13/25 08:09	08/19/25 13:16	1
Thallium	<0.57		2.0	0.57	ug/L		08/13/25 08:09	08/19/25 13:16	1
Tin	<1.3		5.0	1.3	ug/L		08/13/25 08:09	08/19/25 13:16	1
Vanadium	**15**		5.0	2.2	ug/L		08/13/25 08:09	08/19/25 13:16	1
Zinc	<6.9		20	6.9	ug/L		08/13/25 08:09	08/19/25 13:16	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**55**		0.91	0.46	mg/L		08/13/25 08:09	08/20/25 09:56	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	<0.45		1.0	0.45	mg/L			08/07/25 10:38	1
Nitrate as N (EPA 300.0)	<0.37		1.0	0.37	mg/L			08/07/25 10:38	1
Chloride (EPA 300.0)	**1.4**		1.0	0.42	mg/L			08/07/25 10:38	1
Nitrite as N (EPA 300.0)	<0.25		1.0	0.25	mg/L			08/07/25 10:38	1
Fluoride (EPA 300.0)	<0.43		1.0	0.43	mg/L			08/07/25 10:38	1
Nitrate Nitrite as N (EPA 300.0)	<0.37		1.0	0.37	mg/L			08/07/25 10:38	1
Sulfate (EPA 300.0)	**8.9**		1.0	0.47	mg/L			08/07/25 10:38	1
Cyanide, Total (EPA 335.4)	<0.0036		0.0050	0.0036	mg/L		08/12/25 14:23	08/13/25 11:48	1
Ammonia (EPA 350.1)	<0.10		0.20	0.10	mg/L		08/19/25 13:45	08/19/25 17:30	1
Phosphorus as P (EPA 365.1)	**0.027**	**J B**	0.050	0.024	mg/L		08/08/25 11:35	08/12/25 17:44	1
Alkalinity (SM 2320B)	**260**		5.0	3.7	mg/L			08/10/25 14:21	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**260**		5.0	3.7	mg/L			08/10/25 14:21	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<3.7		5.0	3.7	mg/L			08/10/25 14:21	1
Salinity (SM 2520B)	<0.33		0.33	0.33	psu			08/14/25 14:13	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-272717-1

Client Sample ID: MW-43_20250805
Date Collected: 08/05/25 12:30
Date Received: 08/07/25 09:15

Lab Sample ID: 500-272717-7
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	250		10	4.3	mg/L			08/11/25 03:38	1
Total Suspended Solids (SM 2540D)	6.0		5.0	1.9	mg/L			08/08/25 04:22	1
Sulfide (SM 4500 S2 F)	<0.23		1.0	0.23	mg/L			08/11/25 09:56	1
Total Organic Carbon (SM 5310C)	0.64	J	1.0	0.44	mg/L			08/14/25 15:39	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Method
Dissolved Organic Carbon (SM 5310C)	0.65	J	1.0	0.44	mg/L		08/14/25 16:03	1	SM 5310C

Client Sample Results

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-272717-1

Client Sample ID: MW-43_20250805_FBLL
Date Collected: 08/05/25 12:30
Date Received: 08/07/25 09:15

Lab Sample ID: 500-272717-8
Matrix: Water

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.79		0.50	0.20	ng/L			08/14/25 17:23	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-272717-1

Client Sample ID: MW-2A_20250805

Date Collected: 08/05/25 13:20
Date Received: 08/07/25 09:15

Lab Sample ID: 500-272717-9
Matrix: Water

Method: EPA 1630 - Methyl Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		08/14/25 12:07	08/14/25 22:30	1

Method: EPA 1630 - Methyl Mercury - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		08/14/25 12:07	08/14/25 22:19	1

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.30**	**J**	0.50	0.20	ng/L			08/14/25 17:27	1

Method: EPA 1631E - Mercury, Low Level (CVAFS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**1.1**		0.50	0.20	ng/L			08/14/25 17:31	1

Method: EPA 1638 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.74**		0.050	0.0098	ug/L		08/15/25 13:12	08/18/25 16:51	1

Method: EPA 1638 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.69**		0.050	0.0098	ug/L		08/15/25 13:12	08/18/25 14:44	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<25		100	25	ug/L		08/13/25 08:09	08/19/25 12:53	1
Antimony	<1.3		3.0	1.3	ug/L		08/13/25 08:09	08/19/25 12:53	1
Arsenic	**1.9**		1.0	0.23	ug/L		08/13/25 08:09	08/19/25 12:53	1
Barium	**520**		2.5	0.73	ug/L		08/13/25 08:09	08/19/25 12:53	1
Beryllium	<0.53		1.0	0.53	ug/L		08/13/25 08:09	08/19/25 12:53	1
Boron	**270**		50	13	ug/L		08/13/25 08:09	08/19/25 12:53	1
Cadmium	<0.17		0.50	0.17	ug/L		08/13/25 08:09	08/19/25 12:53	1
Calcium	**160000**		200	44	ug/L		08/13/25 08:09	08/19/25 12:53	1
Chromium	<1.1		5.0	1.1	ug/L		08/13/25 08:09	08/19/25 12:53	1
Cobalt	**0.81**	**J**	1.0	0.40	ug/L		08/13/25 08:09	08/19/25 12:53	1
Copper	<0.50		2.0	0.50	ug/L		08/13/25 08:09	08/19/25 12:53	1
Iron	**6300**		100	47	ug/L		08/13/25 08:09	08/19/25 12:53	1
Lead	<0.19		0.50	0.19	ug/L		08/13/25 08:09	08/19/25 12:53	1
Lithium	**41**		10	2.5	ug/L		08/13/25 08:09	08/19/25 12:53	1
Magnesium	**50000**		200	49	ug/L		08/13/25 08:09	08/19/25 12:53	1
Manganese	**1400**		2.5	0.79	ug/L		08/13/25 08:09	08/19/25 12:53	1
Molybdenum	<2.5		5.0	2.5	ug/L		08/13/25 08:09	08/19/25 12:53	1
Nickel	**0.85**	**J**	2.0	0.63	ug/L		08/13/25 08:09	08/19/25 12:53	1
Potassium	**1700**		500	110	ug/L		08/13/25 08:09	08/19/25 12:53	1
Selenium	<0.98		2.5	0.98	ug/L		08/13/25 08:09	08/19/25 12:53	1
Silver	<0.12		0.50	0.12	ug/L		08/13/25 08:09	08/19/25 12:53	1
Sodium	**45000**		200	77	ug/L		08/13/25 08:09	08/19/25 12:53	1
Strontium	**2100**		4.0	0.64	ug/L		08/13/25 08:09	08/19/25 12:53	1
Thallium	<0.57		2.0	0.57	ug/L		08/13/25 08:09	08/19/25 12:53	1
Tin	<1.3		5.0	1.3	ug/L		08/13/25 08:09	08/19/25 12:53	1
Vanadium	<2.2		5.0	2.2	ug/L		08/13/25 08:09	08/19/25 12:53	1
Zinc	<6.9		20	6.9	ug/L		08/13/25 08:09	08/19/25 12:53	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-272717-1

Client Sample ID: MW-2A_20250805

Date Collected: 08/05/25 13:20
Date Received: 08/07/25 09:15

Lab Sample ID: 500-272717-9
Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<25		100	25	ug/L		08/13/25 08:09	08/19/25 13:18	1
Antimony	<1.3		3.0	1.3	ug/L		08/13/25 08:09	08/19/25 13:18	1
Arsenic	**1.7**		1.0	0.23	ug/L		08/13/25 08:09	08/19/25 13:18	1
Barium	**510**		2.5	0.73	ug/L		08/13/25 08:09	08/19/25 13:18	1
Beryllium	<0.53		1.0	0.53	ug/L		08/13/25 08:09	08/19/25 13:18	1
Boron	**260**		50	13	ug/L		08/13/25 08:09	08/19/25 13:18	1
Cadmium	<0.17		0.50	0.17	ug/L		08/13/25 08:09	08/19/25 13:18	1
Calcium	**150000**		200	44	ug/L		08/13/25 08:09	08/19/25 13:18	1
Chromium	<1.1		5.0	1.1	ug/L		08/13/25 08:09	08/19/25 13:18	1
Cobalt	**0.77**	**J**	1.0	0.40	ug/L		08/13/25 08:09	08/19/25 13:18	1
Copper	<0.50		2.0	0.50	ug/L		08/13/25 08:09	08/19/25 13:18	1
Iron	**5800**		100	47	ug/L		08/13/25 08:09	08/19/25 13:18	1
Lead	<0.19		0.50	0.19	ug/L		08/13/25 08:09	08/19/25 13:18	1
Lithium	**41**		10	2.5	ug/L		08/13/25 08:09	08/19/25 13:18	1
Magnesium	**48000**		200	49	ug/L		08/13/25 08:09	08/19/25 13:18	1
Manganese	**1400**		2.5	0.79	ug/L		08/13/25 08:09	08/19/25 13:18	1
Molybdenum	<2.5		5.0	2.5	ug/L		08/13/25 08:09	08/19/25 13:18	1
Nickel	**0.72**	**J**	2.0	0.63	ug/L		08/13/25 08:09	08/19/25 13:18	1
Potassium	**1700**		500	110	ug/L		08/13/25 08:09	08/19/25 13:18	1
Selenium	<0.98		2.5	0.98	ug/L		08/13/25 08:09	08/19/25 13:18	1
Silver	<0.12		0.50	0.12	ug/L		08/13/25 08:09	08/19/25 13:18	1
Sodium	**43000**		200	77	ug/L		08/13/25 08:09	08/19/25 13:18	1
Strontium	**2100**		4.0	0.64	ug/L		08/13/25 08:09	08/19/25 13:18	1
Thallium	<0.57		2.0	0.57	ug/L		08/13/25 08:09	08/19/25 13:18	1
Tin	<1.3		5.0	1.3	ug/L		08/13/25 08:09	08/19/25 13:18	1
Vanadium	<2.2		5.0	2.2	ug/L		08/13/25 08:09	08/19/25 13:18	1
Zinc	<6.9		20	6.9	ug/L		08/13/25 08:09	08/19/25 13:18	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**600**		0.91	0.46	mg/L		08/13/25 08:09	08/20/25 09:56	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	**0.78**	**J**	1.0	0.45	mg/L			08/07/25 10:53	1
Nitrate as N (EPA 300.0)	<0.37		1.0	0.37	mg/L			08/07/25 10:53	1
Chloride (EPA 300.0)	**94**		1.0	0.42	mg/L			08/19/25 13:19	1
Nitrite as N (EPA 300.0)	<0.25		1.0	0.25	mg/L			08/07/25 10:53	1
Fluoride (EPA 300.0)	<0.43		1.0	0.43	mg/L			08/07/25 10:53	1
Nitrate Nitrite as N (EPA 300.0)	<0.37		1.0	0.37	mg/L			08/07/25 10:53	1
Sulfate (EPA 300.0)	**1.8**		1.0	0.47	mg/L			08/07/25 10:53	1
Cyanide, Total (EPA 335.4)	<0.0036		0.0050	0.0036	mg/L		08/12/25 14:23	08/13/25 11:49	1
Ammonia (EPA 350.1)	**5.5**		0.20	0.10	mg/L		08/19/25 13:45	08/19/25 17:31	1
Phosphorus as P (EPA 365.1)	**0.074**	**B**	0.050	0.024	mg/L		08/08/25 11:35	08/12/25 17:45	1
Alkalinity (SM 2320B)	**540**		5.0	3.7	mg/L			08/10/25 14:30	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**540**		5.0	3.7	mg/L			08/10/25 14:30	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<3.7		5.0	3.7	mg/L			08/10/25 14:30	1
Salinity (SM 2520B)	**0.48**		0.33	0.33	psu			08/14/25 14:13	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-272717-1

Client Sample ID: MW-2A_20250805
Date Collected: 08/05/25 13:20
Date Received: 08/07/25 09:15

Lab Sample ID: 500-272717-9
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	650		10	4.3	mg/L			08/11/25 03:41	1
Total Suspended Solids (SM 2540D)	13		5.0	1.9	mg/L			08/08/25 04:27	1
Sulfide (SM 4500 S2 F)	0.58	J	1.0	0.23	mg/L			08/11/25 10:00	1
Total Organic Carbon (SM 5310C)	8.0		1.0	0.44	mg/L			08/14/25 16:51	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Method
Dissolved Organic Carbon (SM 5310C)	8.2		1.0	0.44	mg/L		08/14/25 22:36	1	SM 5310C

Client Sample Results

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-272717-1

Client Sample ID: MW-2A_20250805_FBLL

Date Collected: 08/05/25 13:20
Date Received: 08/07/25 09:15

Lab Sample ID: 500-272717-10

Matrix: Water

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			08/14/25 17:35	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-272717-1

Client Sample ID: MW-44_20250805

Date Collected: 08/05/25 14:00
Date Received: 08/07/25 09:15

Lab Sample ID: 500-272717-11

Matrix: Water

Method: EPA 1630 - Methyl Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		08/14/25 12:07	08/14/25 22:50	1

Method: EPA 1630 - Methyl Mercury - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		08/14/25 12:07	08/14/25 22:40	1

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.25**	**J**	0.50	0.20	ng/L			08/14/25 17:39	1

Method: EPA 1631E - Mercury, Low Level (CVAFS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.21**	**J**	0.50	0.20	ng/L			08/14/25 17:44	1

Method: EPA 1638 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**13**		0.050	0.0098	ug/L		08/15/25 13:12	08/18/25 16:55	1

Method: EPA 1638 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**13**		0.050	0.0098	ug/L		08/15/25 13:12	08/18/25 14:48	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**180**		100	25	ug/L		08/13/25 08:09	08/19/25 12:55	1
Antimony	<1.3		3.0	1.3	ug/L		08/13/25 08:09	08/19/25 12:55	1
Arsenic	**0.33**	**J**	1.0	0.23	ug/L		08/13/25 08:09	08/19/25 12:55	1
Barium	**290**		2.5	0.73	ug/L		08/13/25 08:09	08/19/25 12:55	1
Beryllium	<0.53		1.0	0.53	ug/L		08/13/25 08:09	08/19/25 12:55	1
Boron	**220**		50	13	ug/L		08/13/25 08:09	08/19/25 12:55	1
Cadmium	<0.17		0.50	0.17	ug/L		08/13/25 08:09	08/19/25 12:55	1
Calcium	**39000**		200	44	ug/L		08/13/25 08:09	08/19/25 12:55	1
Chromium	<1.1		5.0	1.1	ug/L		08/13/25 08:09	08/19/25 12:55	1
Cobalt	<0.40		1.0	0.40	ug/L		08/13/25 08:09	08/19/25 12:55	1
Copper	**0.91**	**J**	2.0	0.50	ug/L		08/13/25 08:09	08/19/25 12:55	1
Iron	**200**		100	47	ug/L		08/13/25 08:09	08/19/25 12:55	1
Lead	<0.19		0.50	0.19	ug/L		08/13/25 08:09	08/19/25 12:55	1
Lithium	**31**		10	2.5	ug/L		08/13/25 08:09	08/19/25 12:55	1
Magnesium	**9700**		200	49	ug/L		08/13/25 08:09	08/19/25 12:55	1
Manganese	**160**		2.5	0.79	ug/L		08/13/25 08:09	08/19/25 12:55	1
Molybdenum	**54**		5.0	2.5	ug/L		08/13/25 08:09	08/19/25 12:55	1
Nickel	<0.63		2.0	0.63	ug/L		08/13/25 08:09	08/19/25 12:55	1
Potassium	**960**		500	110	ug/L		08/13/25 08:09	08/19/25 12:55	1
Selenium	<0.98		2.5	0.98	ug/L		08/13/25 08:09	08/19/25 12:55	1
Silver	<0.12		0.50	0.12	ug/L		08/13/25 08:09	08/19/25 12:55	1
Sodium	**94000**		200	77	ug/L		08/13/25 08:09	08/19/25 12:55	1
Strontium	**810**		4.0	0.64	ug/L		08/13/25 08:09	08/19/25 12:55	1
Thallium	<0.57		2.0	0.57	ug/L		08/13/25 08:09	08/19/25 12:55	1
Tin	<1.3		5.0	1.3	ug/L		08/13/25 08:09	08/19/25 12:55	1
Vanadium	<2.2		5.0	2.2	ug/L		08/13/25 08:09	08/19/25 12:55	1
Zinc	<6.9		20	6.9	ug/L		08/13/25 08:09	08/19/25 12:55	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-272717-1

Client Sample ID: MW-44_20250805

Date Collected: 08/05/25 14:00
Date Received: 08/07/25 09:15

Lab Sample ID: 500-272717-11

Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<25		100	25	ug/L		08/13/25 08:09	08/19/25 13:20	1
Antimony	<1.3		3.0	1.3	ug/L		08/13/25 08:09	08/19/25 13:20	1
Arsenic	**0.33**	**J**	1.0	0.23	ug/L		08/13/25 08:09	08/19/25 13:20	1
Barium	**300**		2.5	0.73	ug/L		08/13/25 08:09	08/19/25 13:20	1
Beryllium	<0.53		1.0	0.53	ug/L		08/13/25 08:09	08/19/25 13:20	1
Boron	**200**		50	13	ug/L		08/13/25 08:09	08/19/25 13:20	1
Cadmium	<0.17		0.50	0.17	ug/L		08/13/25 08:09	08/19/25 13:20	1
Calcium	**42000**		200	44	ug/L		08/13/25 08:09	08/19/25 13:20	1
Chromium	<1.1		5.0	1.1	ug/L		08/13/25 08:09	08/19/25 13:20	1
Cobalt	<0.40		1.0	0.40	ug/L		08/13/25 08:09	08/19/25 13:20	1
Copper	<0.50		2.0	0.50	ug/L		08/13/25 08:09	08/19/25 13:20	1
Iron	<47		100	47	ug/L		08/13/25 08:09	08/19/25 13:20	1
Lead	<0.19		0.50	0.19	ug/L		08/13/25 08:09	08/19/25 13:20	1
Lithium	**32**		10	2.5	ug/L		08/13/25 08:09	08/19/25 13:20	1
Magnesium	**11000**		200	49	ug/L		08/13/25 08:09	08/19/25 13:20	1
Manganese	**150**		2.5	0.79	ug/L		08/13/25 08:09	08/19/25 13:20	1
Molybdenum	**39**		5.0	2.5	ug/L		08/13/25 08:09	08/19/25 13:20	1
Nickel	<0.63		2.0	0.63	ug/L		08/13/25 08:09	08/19/25 13:20	1
Potassium	**940**		500	110	ug/L		08/13/25 08:09	08/19/25 13:20	1
Selenium	<0.98		2.5	0.98	ug/L		08/13/25 08:09	08/19/25 13:20	1
Silver	<0.12		0.50	0.12	ug/L		08/13/25 08:09	08/19/25 13:20	1
Sodium	**87000**		200	77	ug/L		08/13/25 08:09	08/19/25 13:20	1
Strontium	**870**		4.0	0.64	ug/L		08/13/25 08:09	08/19/25 13:20	1
Thallium	<0.57		2.0	0.57	ug/L		08/13/25 08:09	08/19/25 13:20	1
Tin	<1.3		5.0	1.3	ug/L		08/13/25 08:09	08/19/25 13:20	1
Vanadium	<2.2		5.0	2.2	ug/L		08/13/25 08:09	08/19/25 13:20	1
Zinc	<6.9		20	6.9	ug/L		08/13/25 08:09	08/19/25 13:20	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**140**		0.91	0.46	mg/L		08/13/25 08:09	08/20/25 09:56	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	**0.55**	**J**	1.0	0.45	mg/L			08/07/25 11:09	1
Nitrate as N (EPA 300.0)	<0.37		1.0	0.37	mg/L			08/07/25 11:09	1
Chloride (EPA 300.0)	**61**		1.0	0.42	mg/L			08/19/25 13:34	1
Nitrite as N (EPA 300.0)	<0.25		1.0	0.25	mg/L			08/07/25 11:09	1
Fluoride (EPA 300.0)	**0.97**	**J**	1.0	0.43	mg/L			08/07/25 11:09	1
Nitrate Nitrite as N (EPA 300.0)	<0.37		1.0	0.37	mg/L			08/07/25 11:09	1
Sulfate (EPA 300.0)	**15**		1.0	0.47	mg/L			08/07/25 11:09	1
Cyanide, Total (EPA 335.4)	<0.0036		0.0050	0.0036	mg/L		08/12/25 14:23	08/13/25 11:49	1
Ammonia (EPA 350.1)	**0.11**	**J**	0.20	0.10	mg/L		08/19/25 13:45	08/19/25 17:31	1
Phosphorus as P (EPA 365.1)	**0.066**	**B**	0.050	0.024	mg/L		08/08/25 11:35	08/12/25 17:45	1
Alkalinity (SM 2320B)	**250**	**B**	5.0	3.7	mg/L			08/12/25 10:15	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**250**	**B**	5.0	3.7	mg/L			08/12/25 10:15	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<3.7		5.0	3.7	mg/L			08/12/25 10:15	1
Salinity (SM 2520B)	<0.33		0.33	0.33	psu			08/14/25 14:13	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-272717-1

Client Sample ID: MW-44_20250805
Date Collected: 08/05/25 14:00
Date Received: 08/07/25 09:15

Lab Sample ID: 500-272717-11
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**340**		10	4.3	mg/L			08/11/25 03:43	1
Total Suspended Solids (SM 2540D)	<1.9		5.0	1.9	mg/L			08/08/25 04:30	1
Sulfide (SM 4500 S2 F)	<0.23		1.0	0.23	mg/L			08/11/25 10:04	1
Total Organic Carbon (SM 5310C)	**1.0**		1.0	0.44	mg/L			08/14/25 23:00	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Method
Dissolved Organic Carbon (SM 5310C)	**0.93**	**J**	1.0	0.44	mg/L		08/14/25 23:24	1	SM 5310C

Client Sample Results

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-272717-1

Client Sample ID: MW-44_20250805_FBLL
Date Collected: 08/05/25 14:00
Date Received: 08/07/25 09:15

Lab Sample ID: 500-272717-12
Matrix: Water

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			08/14/25 17:48	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-272717-1

Client Sample ID: CBR-01_20250805

Date Collected: 08/05/25 15:15
Date Received: 08/07/25 09:15

Lab Sample ID: 500-272717-13

Matrix: Water

Method: EPA 1630 - Methyl Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	**0.30**		0.050	0.022	ng/L		08/14/25 12:07	08/14/25 23:11	1

Method: EPA 1630 - Methyl Mercury - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	**0.095**		0.050	0.022	ng/L		08/14/25 12:07	08/14/25 23:00	1

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**1.7**		0.50	0.20	ng/L			08/18/25 18:04	1

Method: EPA 1631E - Mercury, Low Level (CVAFS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**1.7**		0.50	0.20	ng/L			08/18/25 18:08	1

Method: EPA 1638 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.31**		0.050	0.0098	ug/L		08/15/25 13:12	08/18/25 16:58	1

Method: EPA 1638 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.30**		0.050	0.0098	ug/L		08/15/25 13:12	08/18/25 14:51	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**460**		100	25	ug/L		08/13/25 08:09	08/19/25 12:58	1
Antimony	<1.3		3.0	1.3	ug/L		08/13/25 08:09	08/19/25 12:58	1
Arsenic	**0.54**	**J**	1.0	0.23	ug/L		08/13/25 08:09	08/19/25 12:58	1
Barium	**61**		2.5	0.73	ug/L		08/13/25 08:09	08/19/25 12:58	1
Beryllium	<0.53		1.0	0.53	ug/L		08/13/25 08:09	08/19/25 12:58	1
Boron	**88**		50	13	ug/L		08/13/25 08:09	08/19/25 12:58	1
Cadmium	<0.17		0.50	0.17	ug/L		08/13/25 08:09	08/19/25 12:58	1
Calcium	**26000**		200	44	ug/L		08/13/25 08:09	08/19/25 12:58	1
Chromium	<1.1		5.0	1.1	ug/L		08/13/25 08:09	08/19/25 12:58	1
Cobalt	<0.40		1.0	0.40	ug/L		08/13/25 08:09	08/19/25 12:58	1
Copper	**3.0**		2.0	0.50	ug/L		08/13/25 08:09	08/19/25 12:58	1
Iron	**680**		100	47	ug/L		08/13/25 08:09	08/19/25 12:58	1
Lead	<0.19		0.50	0.19	ug/L		08/13/25 08:09	08/19/25 12:58	1
Lithium	**3.1**	**J**	10	2.5	ug/L		08/13/25 08:09	08/19/25 12:58	1
Magnesium	**6600**		200	49	ug/L		08/13/25 08:09	08/19/25 12:58	1
Manganese	**65**		2.5	0.79	ug/L		08/13/25 08:09	08/19/25 12:58	1
Molybdenum	<2.5		5.0	2.5	ug/L		08/13/25 08:09	08/19/25 12:58	1
Nickel	**0.73**	**J**	2.0	0.63	ug/L		08/13/25 08:09	08/19/25 12:58	1
Potassium	**1200**		500	110	ug/L		08/13/25 08:09	08/19/25 12:58	1
Selenium	<0.98		2.5	0.98	ug/L		08/13/25 08:09	08/19/25 12:58	1
Silver	<0.12		0.50	0.12	ug/L		08/13/25 08:09	08/19/25 12:58	1
Sodium	**7600**		200	77	ug/L		08/13/25 08:09	08/19/25 12:58	1
Strontium	**120**		4.0	0.64	ug/L		08/13/25 08:09	08/19/25 12:58	1
Thallium	<0.57		2.0	0.57	ug/L		08/13/25 08:09	08/19/25 12:58	1
Tin	<1.3		5.0	1.3	ug/L		08/13/25 08:09	08/19/25 12:58	1
Vanadium	<2.2		5.0	2.2	ug/L		08/13/25 08:09	08/19/25 12:58	1
Zinc	<6.9		20	6.9	ug/L		08/13/25 08:09	08/19/25 12:58	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-272717-1

Client Sample ID: CBR-01_20250805

Date Collected: 08/05/25 15:15
Date Received: 08/07/25 09:15

Lab Sample ID: 500-272717-13

Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**28**	**J**	100	25	ug/L		08/13/25 08:09	08/19/25 13:23	1
Antimony	<1.3		3.0	1.3	ug/L		08/13/25 08:09	08/19/25 13:23	1
Arsenic	**0.42**	**J**	1.0	0.23	ug/L		08/13/25 08:09	08/19/25 13:23	1
Barium	**54**		2.5	0.73	ug/L		08/13/25 08:09	08/19/25 13:23	1
Beryllium	<0.53		1.0	0.53	ug/L		08/13/25 08:09	08/19/25 13:23	1
Boron	**87**		50	13	ug/L		08/13/25 08:09	08/19/25 13:23	1
Cadmium	<0.17		0.50	0.17	ug/L		08/13/25 08:09	08/19/25 13:23	1
Calcium	**25000**		200	44	ug/L		08/13/25 08:09	08/19/25 13:23	1
Chromium	<1.1		5.0	1.1	ug/L		08/13/25 08:09	08/19/25 13:23	1
Cobalt	<0.40		1.0	0.40	ug/L		08/13/25 08:09	08/19/25 13:23	1
Copper	**2.1**		2.0	0.50	ug/L		08/13/25 08:09	08/19/25 13:23	1
Iron	**160**		100	47	ug/L		08/13/25 08:09	08/19/25 13:23	1
Lead	<0.19		0.50	0.19	ug/L		08/13/25 08:09	08/19/25 13:23	1
Lithium	**2.7**	**J**	10	2.5	ug/L		08/13/25 08:09	08/19/25 13:23	1
Magnesium	**6300**		200	49	ug/L		08/13/25 08:09	08/19/25 13:23	1
Manganese	**9.2**		2.5	0.79	ug/L		08/13/25 08:09	08/19/25 13:23	1
Molybdenum	<2.5		5.0	2.5	ug/L		08/13/25 08:09	08/19/25 13:23	1
Nickel	<0.63		2.0	0.63	ug/L		08/13/25 08:09	08/19/25 13:23	1
Potassium	**1100**		500	110	ug/L		08/13/25 08:09	08/19/25 13:23	1
Selenium	<0.98		2.5	0.98	ug/L		08/13/25 08:09	08/19/25 13:23	1
Silver	<0.12		0.50	0.12	ug/L		08/13/25 08:09	08/19/25 13:23	1
Sodium	**7500**		200	77	ug/L		08/13/25 08:09	08/19/25 13:23	1
Strontium	**110**		4.0	0.64	ug/L		08/13/25 08:09	08/19/25 13:23	1
Thallium	<0.57		2.0	0.57	ug/L		08/13/25 08:09	08/19/25 13:23	1
Tin	<1.3		5.0	1.3	ug/L		08/13/25 08:09	08/19/25 13:23	1
Vanadium	<2.2		5.0	2.2	ug/L		08/13/25 08:09	08/19/25 13:23	1
Zinc	<6.9		20	6.9	ug/L		08/13/25 08:09	08/19/25 13:23	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**91**		0.91	0.46	mg/L		08/13/25 08:09	08/20/25 09:56	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	<0.45		1.0	0.45	mg/L			08/07/25 11:24	1
Nitrate as N (EPA 300.0)	<0.37		1.0	0.37	mg/L			08/07/25 11:24	1
Chloride (EPA 300.0)	**14**		1.0	0.42	mg/L			08/07/25 11:24	1
Nitrite as N (EPA 300.0)	<0.25		1.0	0.25	mg/L			08/07/25 11:24	1
Fluoride (EPA 300.0)	<0.43		1.0	0.43	mg/L			08/07/25 11:24	1
Nitrate Nitrite as N (EPA 300.0)	<0.37		1.0	0.37	mg/L			08/07/25 11:24	1
Sulfate (EPA 300.0)	**1.0**		1.0	0.47	mg/L			08/07/25 11:24	1
Cyanide, Total (EPA 335.4)	<0.0036		0.0050	0.0036	mg/L		08/11/25 14:30	08/12/25 12:05	1
Ammonia (EPA 350.1)	<0.10		0.20	0.10	mg/L		08/19/25 13:45	08/19/25 17:31	1
Phosphorus as P (EPA 365.1)	**0.047**	**J B**	0.050	0.024	mg/L		08/08/25 11:35	08/12/25 17:45	1
Alkalinity (SM 2320B)	**91**	**B**	5.0	3.7	mg/L			08/12/25 10:34	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**91**	**B**	5.0	3.7	mg/L			08/12/25 10:34	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<3.7		5.0	3.7	mg/L			08/12/25 10:34	1
Salinity (SM 2520B)	<0.33		0.33	0.33	psu			08/14/25 14:13	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-272717-1

Client Sample ID: CBR-01_20250805
Date Collected: 08/05/25 15:15
Date Received: 08/07/25 09:15

Lab Sample ID: 500-272717-13
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	68		10	4.3	mg/L			08/11/25 03:46	1
Total Suspended Solids (SM 2540D)	11		5.0	1.9	mg/L			08/08/25 04:35	1
Sulfide (SM 4500 S2 F)	0.68	J	1.0	0.23	mg/L			08/11/25 10:08	1
Total Organic Carbon (SM 5310C)	9.3		1.0	0.44	mg/L			08/15/25 00:40	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Method
Dissolved Organic Carbon (SM 5310C)	9.3		1.0	0.44	mg/L		08/15/25 01:04	1	SM 5310C

Client Sample Results

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-272717-1

Client Sample ID: CBR-01_20250805_FBLL
Date Collected: 08/05/25 15:15
Date Received: 08/07/25 09:15

Lab Sample ID: 500-272717-14
Matrix: Water

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.52		0.50	0.20	ng/L			08/14/25 17:52	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-272717-1

Client Sample ID: MW-2B_20250805

Date Collected: 08/05/25 15:20
Date Received: 08/07/25 09:15

Lab Sample ID: 500-272717-15
Matrix: Water

Method: EPA 1630 - Methyl Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		08/15/25 11:45	08/15/25 19:05	1

Method: EPA 1630 - Methyl Mercury - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		08/15/25 11:45	08/15/25 20:26	1

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.41**	**J**	0.50	0.20	ng/L			08/18/25 18:12	1

Method: EPA 1631E - Mercury, Low Level (CVAFS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.31**	**J**	0.50	0.20	ng/L			08/18/25 18:16	1

Method: EPA 1638 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**17**		0.050	0.0098	ug/L		08/15/25 13:12	08/18/25 17:02	1

Method: EPA 1638 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**17**		0.050	0.0098	ug/L		08/15/25 13:12	08/18/25 14:55	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**140**		100	25	ug/L		08/13/25 08:09	08/19/25 13:00	1
Antimony	<1.3		3.0	1.3	ug/L		08/13/25 08:09	08/19/25 13:00	1
Arsenic	**1.8**		1.0	0.23	ug/L		08/13/25 08:09	08/19/25 13:00	1
Barium	**690**		2.5	0.73	ug/L		08/13/25 08:09	08/19/25 13:00	1
Beryllium	<0.53		1.0	0.53	ug/L		08/13/25 08:09	08/19/25 13:00	1
Boron	**100**		50	13	ug/L		08/13/25 08:09	08/19/25 13:00	1
Cadmium	<0.17		0.50	0.17	ug/L		08/13/25 08:09	08/19/25 13:00	1
Calcium	**96000**		200	44	ug/L		08/13/25 08:09	08/19/25 13:00	1
Chromium	<1.1		5.0	1.1	ug/L		08/13/25 08:09	08/19/25 13:00	1
Cobalt	**0.83**	**J**	1.0	0.40	ug/L		08/13/25 08:09	08/19/25 13:00	1
Copper	**1.2**	**J**	2.0	0.50	ug/L		08/13/25 08:09	08/19/25 13:00	1
Iron	**460**		100	47	ug/L		08/13/25 08:09	08/19/25 13:00	1
Lead	<0.19		0.50	0.19	ug/L		08/13/25 08:09	08/19/25 13:00	1
Lithium	**32**		10	2.5	ug/L		08/13/25 08:09	08/19/25 13:00	1
Magnesium	**61000**		200	49	ug/L		08/13/25 08:09	08/19/25 13:00	1
Manganese	**330**		2.5	0.79	ug/L		08/13/25 08:09	08/19/25 13:00	1
Molybdenum	**2.5**	**J**	5.0	2.5	ug/L		08/13/25 08:09	08/19/25 13:00	1
Nickel	**1.1**	**J**	2.0	0.63	ug/L		08/13/25 08:09	08/19/25 13:00	1
Potassium	**3300**		500	110	ug/L		08/13/25 08:09	08/19/25 13:00	1
Selenium	<0.98		2.5	0.98	ug/L		08/13/25 08:09	08/19/25 13:00	1
Silver	<0.12		0.50	0.12	ug/L		08/13/25 08:09	08/19/25 13:00	1
Sodium	**20000**		200	77	ug/L		08/13/25 08:09	08/19/25 13:00	1
Strontium	**1200**		4.0	0.64	ug/L		08/13/25 08:09	08/19/25 13:00	1
Thallium	<0.57		2.0	0.57	ug/L		08/13/25 08:09	08/19/25 13:00	1
Tin	<1.3		5.0	1.3	ug/L		08/13/25 08:09	08/19/25 13:00	1
Vanadium	**2.6**	**J**	5.0	2.2	ug/L		08/13/25 08:09	08/19/25 13:00	1
Zinc	<6.9		20	6.9	ug/L		08/13/25 08:09	08/19/25 13:00	1

Client Sample ID: MW-2B_20250805

Lab Sample ID: 500-272717-15

Date Collected: 08/05/25 15:20

Matrix: Water

Date Received: 08/07/25 09:15

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<25		100	25	ug/L		08/13/25 08:09	08/19/25 13:25	1
Antimony	<1.3		3.0	1.3	ug/L		08/13/25 08:09	08/19/25 13:25	1
Arsenic	**1.6**		1.0	0.23	ug/L		08/13/25 08:09	08/19/25 13:25	1
Barium	**650**		2.5	0.73	ug/L		08/13/25 08:09	08/19/25 13:25	1
Beryllium	<0.53		1.0	0.53	ug/L		08/13/25 08:09	08/19/25 13:25	1
Boron	**92**		50	13	ug/L		08/13/25 08:09	08/19/25 13:25	1
Cadmium	<0.17		0.50	0.17	ug/L		08/13/25 08:09	08/19/25 13:25	1
Calcium	**92000**		200	44	ug/L		08/13/25 08:09	08/19/25 13:25	1
Chromium	<1.1		5.0	1.1	ug/L		08/13/25 08:09	08/19/25 13:25	1
Cobalt	**0.64**	**J**	1.0	0.40	ug/L		08/13/25 08:09	08/19/25 13:25	1
Copper	<0.50		2.0	0.50	ug/L		08/13/25 08:09	08/19/25 13:25	1
Iron	**240**		100	47	ug/L		08/13/25 08:09	08/19/25 13:25	1
Lead	<0.19		0.50	0.19	ug/L		08/13/25 08:09	08/19/25 13:25	1
Lithium	**32**		10	2.5	ug/L		08/13/25 08:09	08/19/25 13:25	1
Magnesium	**60000**		200	49	ug/L		08/13/25 08:09	08/19/25 13:25	1
Manganese	**300**		2.5	0.79	ug/L		08/13/25 08:09	08/19/25 13:25	1
Molybdenum	<2.5		5.0	2.5	ug/L		08/13/25 08:09	08/19/25 13:25	1
Nickel	**0.73**	**J**	2.0	0.63	ug/L		08/13/25 08:09	08/19/25 13:25	1
Potassium	**3200**		500	110	ug/L		08/13/25 08:09	08/19/25 13:25	1
Selenium	<0.98		2.5	0.98	ug/L		08/13/25 08:09	08/19/25 13:25	1
Silver	<0.12		0.50	0.12	ug/L		08/13/25 08:09	08/19/25 13:25	1
Sodium	**19000**		200	77	ug/L		08/13/25 08:09	08/19/25 13:25	1
Strontium	**1100**		4.0	0.64	ug/L		08/13/25 08:09	08/19/25 13:25	1
Thallium	<0.57		2.0	0.57	ug/L		08/13/25 08:09	08/19/25 13:25	1
Tin	<1.3		5.0	1.3	ug/L		08/13/25 08:09	08/19/25 13:25	1
Vanadium	<2.2		5.0	2.2	ug/L		08/13/25 08:09	08/19/25 13:25	1
Zinc	<6.9		20	6.9	ug/L		08/13/25 08:09	08/19/25 13:25	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**490**		0.91	0.46	mg/L		08/13/25 08:09	08/20/25 09:56	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	<0.45		1.0	0.45	mg/L			08/07/25 11:40	1
Nitrate as N (EPA 300.0)	<0.37		1.0	0.37	mg/L			08/07/25 11:40	1
Chloride (EPA 300.0)	**45**		1.0	0.42	mg/L			08/07/25 11:40	1
Nitrite as N (EPA 300.0)	<0.25		1.0	0.25	mg/L			08/07/25 11:40	1
Fluoride (EPA 300.0)	<0.43		1.0	0.43	mg/L			08/07/25 11:40	1
Nitrate Nitrite as N (EPA 300.0)	<0.37		1.0	0.37	mg/L			08/07/25 11:40	1
Sulfate (EPA 300.0)	**13**		1.0	0.47	mg/L			08/07/25 11:40	1
Cyanide, Total (EPA 335.4)	<0.0036		0.0050	0.0036	mg/L		08/11/25 14:30	08/12/25 12:06	1
Ammonia (EPA 350.1)	<0.10		0.20	0.10	mg/L		08/19/25 13:45	08/19/25 17:33	1
Phosphorus as P (EPA 365.1)	**0.035**	**J B**	0.050	0.024	mg/L		08/08/25 11:35	08/12/25 17:46	1
Alkalinity (SM 2320B)	**450**	**B**	5.0	3.7	mg/L			08/12/25 10:43	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**450**	**B**	5.0	3.7	mg/L			08/12/25 10:43	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<3.7		5.0	3.7	mg/L			08/12/25 10:43	1
Salinity (SM 2520B)	<0.33		0.33	0.33	psu			08/14/25 14:13	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-272717-1

Client Sample ID: MW-2B_20250805
Date Collected: 08/05/25 15:20
Date Received: 08/07/25 09:15

Lab Sample ID: 500-272717-15
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	480		10	4.3	mg/L			08/11/25 03:49	1
Total Suspended Solids (SM 2540D)	6.4		5.0	1.9	mg/L			08/08/25 04:37	1
Sulfide (SM 4500 S2 F)	<0.23		1.0	0.23	mg/L			08/11/25 10:12	1
Total Organic Carbon (SM 5310C)	1.7		1.0	0.44	mg/L			08/15/25 01:27	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Method
Dissolved Organic Carbon (SM 5310C)	1.9		1.0	0.44	mg/L		08/15/25 01:51	1	SM 5310C

Client Sample Results

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-272717-1

Client Sample ID: MW-2B_20250805_FBLL
Date Collected: 08/05/25 15:20
Date Received: 08/07/25 09:15

Lab Sample ID: 500-272717-16
Matrix: Water

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	J	0.50	0.20	ng/L			08/18/25 18:29	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-272717-1

Client Sample ID: DUP-01_GW-20250805

Lab Sample ID: 500-272717-17

Date Collected: 08/05/25 00:00

Matrix: Water

Date Received: 08/07/25 09:15

Method: EPA 1630 - Methyl Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	**0.025**	**J**	0.050	0.022	ng/L		08/15/25 11:45	08/15/25 20:37	1

Method: EPA 1630 - Methyl Mercury - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		08/15/25 11:45	08/15/25 20:47	1

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.45**	**J**	0.50	0.20	ng/L			08/18/25 18:33	1

Method: EPA 1631E - Mercury, Low Level (CVAFS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.36**	**J**	0.50	0.20	ng/L			08/18/25 18:37	1

Method: EPA 1638 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.72**		0.050	0.0098	ug/L		08/15/25 13:12	08/18/25 17:06	1

Method: EPA 1638 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.69**		0.050	0.0098	ug/L		08/15/25 13:12	08/18/25 14:59	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<25		100	25	ug/L		08/13/25 08:09	08/19/25 13:02	1
Antimony	<1.3		3.0	1.3	ug/L		08/13/25 08:09	08/19/25 13:02	1
Arsenic	**1.9**		1.0	0.23	ug/L		08/13/25 08:09	08/19/25 13:02	1
Barium	**510**		2.5	0.73	ug/L		08/13/25 08:09	08/19/25 13:02	1
Beryllium	<0.53		1.0	0.53	ug/L		08/13/25 08:09	08/19/25 13:02	1
Boron	**270**		50	13	ug/L		08/13/25 08:09	08/19/25 13:02	1
Cadmium	<0.17		0.50	0.17	ug/L		08/13/25 08:09	08/19/25 13:02	1
Calcium	**160000**		200	44	ug/L		08/13/25 08:09	08/19/25 13:02	1
Chromium	<1.1		5.0	1.1	ug/L		08/13/25 08:09	08/19/25 13:02	1
Cobalt	**0.96**	**J**	1.0	0.40	ug/L		08/13/25 08:09	08/19/25 13:02	1
Copper	<0.50		2.0	0.50	ug/L		08/13/25 08:09	08/19/25 13:02	1
Iron	**6200**		100	47	ug/L		08/13/25 08:09	08/19/25 13:02	1
Lead	<0.19		0.50	0.19	ug/L		08/13/25 08:09	08/19/25 13:02	1
Lithium	**43**		10	2.5	ug/L		08/13/25 08:09	08/19/25 13:02	1
Magnesium	**50000**		200	49	ug/L		08/13/25 08:09	08/19/25 13:02	1
Manganese	**1400**		2.5	0.79	ug/L		08/13/25 08:09	08/19/25 13:02	1
Molybdenum	<2.5		5.0	2.5	ug/L		08/13/25 08:09	08/19/25 13:02	1
Nickel	**0.86**	**J**	2.0	0.63	ug/L		08/13/25 08:09	08/19/25 13:02	1
Potassium	**1700**		500	110	ug/L		08/13/25 08:09	08/19/25 13:02	1
Selenium	<0.98		2.5	0.98	ug/L		08/13/25 08:09	08/19/25 13:02	1
Silver	<0.12		0.50	0.12	ug/L		08/13/25 08:09	08/19/25 13:02	1
Sodium	**45000**		200	77	ug/L		08/13/25 08:09	08/19/25 13:02	1
Strontium	**2100**		4.0	0.64	ug/L		08/13/25 08:09	08/19/25 13:02	1
Thallium	<0.57		2.0	0.57	ug/L		08/13/25 08:09	08/19/25 13:02	1
Tin	<1.3		5.0	1.3	ug/L		08/13/25 08:09	08/19/25 13:02	1
Vanadium	<2.2		5.0	2.2	ug/L		08/13/25 08:09	08/19/25 13:02	1
Zinc	<6.9		20	6.9	ug/L		08/13/25 08:09	08/19/25 13:02	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-272717-1

Client Sample ID: DUP-01_GW-20250805

Date Collected: 08/05/25 00:00
Date Received: 08/07/25 09:15

Lab Sample ID: 500-272717-17

Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<25		100	25	ug/L		08/13/25 08:09	08/19/25 13:27	1
Antimony	<1.3		3.0	1.3	ug/L		08/13/25 08:09	08/19/25 13:27	1
Arsenic	**1.7**		1.0	0.23	ug/L		08/13/25 08:09	08/19/25 13:27	1
Barium	**500**		2.5	0.73	ug/L		08/13/25 08:09	08/19/25 13:27	1
Beryllium	<0.53		1.0	0.53	ug/L		08/13/25 08:09	08/19/25 13:27	1
Boron	**260**		50	13	ug/L		08/13/25 08:09	08/19/25 13:27	1
Cadmium	<0.17		0.50	0.17	ug/L		08/13/25 08:09	08/19/25 13:27	1
Calcium	**150000**		200	44	ug/L		08/13/25 08:09	08/19/25 13:27	1
Chromium	<1.1		5.0	1.1	ug/L		08/13/25 08:09	08/19/25 13:27	1
Cobalt	**0.83**	**J**	1.0	0.40	ug/L		08/13/25 08:09	08/19/25 13:27	1
Copper	<0.50		2.0	0.50	ug/L		08/13/25 08:09	08/19/25 13:27	1
Iron	**5600**		100	47	ug/L		08/13/25 08:09	08/19/25 13:27	1
Lead	<0.19		0.50	0.19	ug/L		08/13/25 08:09	08/19/25 13:27	1
Lithium	**42**		10	2.5	ug/L		08/13/25 08:09	08/19/25 13:27	1
Magnesium	**48000**		200	49	ug/L		08/13/25 08:09	08/19/25 13:27	1
Manganese	**1400**		2.5	0.79	ug/L		08/13/25 08:09	08/19/25 13:27	1
Molybdenum	<2.5		5.0	2.5	ug/L		08/13/25 08:09	08/19/25 13:27	1
Nickel	**0.70**	**J**	2.0	0.63	ug/L		08/13/25 08:09	08/19/25 13:27	1
Potassium	**1700**		500	110	ug/L		08/13/25 08:09	08/19/25 13:27	1
Selenium	<0.98		2.5	0.98	ug/L		08/13/25 08:09	08/19/25 13:27	1
Silver	<0.12		0.50	0.12	ug/L		08/13/25 08:09	08/19/25 13:27	1
Sodium	**43000**		200	77	ug/L		08/13/25 08:09	08/19/25 13:27	1
Strontium	**2100**		4.0	0.64	ug/L		08/13/25 08:09	08/19/25 13:27	1
Thallium	<0.57		2.0	0.57	ug/L		08/13/25 08:09	08/19/25 13:27	1
Tin	<1.3		5.0	1.3	ug/L		08/13/25 08:09	08/19/25 13:27	1
Vanadium	<2.2		5.0	2.2	ug/L		08/13/25 08:09	08/19/25 13:27	1
Zinc	<6.9		20	6.9	ug/L		08/13/25 08:09	08/19/25 13:27	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**600**		0.91	0.46	mg/L		08/13/25 08:09	08/20/25 09:56	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	**0.78**	**J**	1.0	0.45	mg/L			08/07/25 11:56	1
Nitrate as N (EPA 300.0)	<0.37		1.0	0.37	mg/L			08/07/25 11:56	1
Chloride (EPA 300.0)	**94**		1.0	0.42	mg/L			08/19/25 13:49	1
Nitrite as N (EPA 300.0)	<0.25	F1	1.0	0.25	mg/L			08/07/25 11:56	1
Fluoride (EPA 300.0)	<0.43		1.0	0.43	mg/L			08/07/25 11:56	1
Nitrate Nitrite as N (EPA 300.0)	<0.37	F1	1.0	0.37	mg/L			08/07/25 11:56	1
Sulfate (EPA 300.0)	**1.7**		1.0	0.47	mg/L			08/07/25 11:56	1
Cyanide, Total (EPA 335.4)	<0.0036		0.0050	0.0036	mg/L		08/11/25 14:30	08/12/25 12:07	1
Ammonia (EPA 350.1)	<0.10		0.20	0.10	mg/L		08/19/25 13:45	08/19/25 17:33	1
Phosphorus as P (EPA 365.1)	**0.082**	**B**	0.050	0.024	mg/L		08/08/25 11:35	08/12/25 17:47	1
Alkalinity (SM 2320B)	**540**		5.0	3.7	mg/L			08/10/25 14:43	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**540**		5.0	3.7	mg/L			08/10/25 14:43	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<3.7		5.0	3.7	mg/L			08/10/25 14:43	1
Salinity (SM 2520B)	**0.48**		0.33	0.33	psu			08/11/25 16:26	1

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-272717-1

Client Sample ID: DUP-01_GW-20250805

Lab Sample ID: 500-272717-17

Date Collected: 08/05/25 00:00

Matrix: Water

Date Received: 08/07/25 09:15

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	680		10	4.3	mg/L			08/11/25 03:51	1
Total Suspended Solids (SM 2540D)	14		5.0	1.9	mg/L			08/08/25 04:42	1
Sulfide (SM 4500 S2 F)	<0.23		1.0	0.23	mg/L			08/11/25 10:16	1
Total Organic Carbon (SM 5310C)	7.9		1.0	0.44	mg/L			08/15/25 02:15	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Method
Dissolved Organic Carbon (SM 5310C)	8.1		1.0	0.44	mg/L		08/15/25 04:15	1	SM 5310C

Client Sample Results

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-272717-1

Client Sample ID: DUP-01_GW-20250805_FBLL

Lab Sample ID: 500-272717-18

Date Collected: 08/05/25 00:00
Matrix: Water
Date Received: 08/07/25 09:15

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			08/18/25 18:41	1

Qualifiers

Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
F1	MS and/or MSD recovery exceeds control limits.
H	Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.
H3	Sample was received and analyzed past holding time. This does not meet regulatory requirements.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Metals

Analysis Batch: 8791

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-272717-1	ARC-02_20250805	Dissolved	Water	1631E	
500-272717-1	ARC-02_20250805	Total/NA	Water	1631E	
500-272717-2	ARC-02_20250805_FBLL	Total/NA	Water	1631E	
500-272717-3	MW-43SB_20250805	Dissolved	Water	1631E	
500-272717-3	MW-43SB_20250805	Total/NA	Water	1631E	
500-272717-4	MW-43SB_20250805_FBLL	Total/NA	Water	1631E	
500-272717-5	MW-3B_20250805	Dissolved	Water	1631E	
500-272717-5	MW-3B_20250805	Total/NA	Water	1631E	
500-272717-6	MW-3B _20250805_FBLL	Total/NA	Water	1631E	
MB 350-8791/27	Method Blank	Total/NA	Water	1631E	
MB 350-8791/28	Method Blank	Total/NA	Water	1631E	
MB 350-8791/29	Method Blank	Total/NA	Water	1631E	
LCS 350-8791/110	Lab Control Sample	Total/NA	Water	1631E	
LCSD 350-8791/111	Lab Control Sample Dup	Total/NA	Water	1631E	

Prep Batch: 8862

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-272717-1	ARC-02_20250805	Dissolved	Water	1630	
500-272717-1	ARC-02_20250805	Total/NA	Water	1630	
500-272717-3	MW-43SB_20250805	Dissolved	Water	1630	
500-272717-3	MW-43SB_20250805	Total/NA	Water	1630	
500-272717-5	MW-3B_20250805	Dissolved	Water	1630	
500-272717-5	MW-3B_20250805	Total/NA	Water	1630	
500-272717-7	MW-43_20250805	Dissolved	Water	1630	
500-272717-7	MW-43_20250805	Total/NA	Water	1630	
500-272717-9	MW-2A_20250805	Dissolved	Water	1630	
500-272717-9	MW-2A_20250805	Total/NA	Water	1630	
500-272717-11	MW-44_20250805	Dissolved	Water	1630	
500-272717-11	MW-44_20250805	Total/NA	Water	1630	
500-272717-13	CBR-01_20250805	Dissolved	Water	1630	
500-272717-13	CBR-01_20250805	Total/NA	Water	1630	
MB 350-8862/1-A	Method Blank	Total/NA	Water	1630	
MB 350-8862/2-A	Method Blank	Total/NA	Water	1630	
MB 350-8862/3-A	Method Blank	Total/NA	Water	1630	
LCS 350-8862/4-A	Lab Control Sample	Total/NA	Water	1630	
LCSD 350-8862/5-A	Lab Control Sample Dup	Total/NA	Water	1630	

Prep Batch: 8890

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-272717-1	ARC-02_20250805	Dissolved	Water	1638	
500-272717-3	MW-43SB_20250805	Dissolved	Water	1638	
500-272717-5	MW-3B_20250805	Dissolved	Water	1638	
500-272717-7	MW-43_20250805	Dissolved	Water	1638	
500-272717-9	MW-2A_20250805	Dissolved	Water	1638	
500-272717-11	MW-44_20250805	Dissolved	Water	1638	
500-272717-13	CBR-01_20250805	Dissolved	Water	1638	
500-272717-15	MW-2B_20250805	Dissolved	Water	1638	
500-272717-17	DUP-01_GW-20250805	Dissolved	Water	1638	
MB 350-8890/1-A	Method Blank	Total Recoverable	Water	1638	
MB 350-8890/2-A	Method Blank	Total Recoverable	Water	1638	
LCS 350-8890/3-A	Lab Control Sample	Total Recoverable	Water	1638	

Metals (Continued)

Prep Batch: 8890 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 350-8890/4-A	Lab Control Sample Dup	Total Recoverable	Water	1638	

Prep Batch: 8891

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-272717-1	ARC-02_20250805	Total Recoverable	Water	1638	
500-272717-3	MW-43SB_20250805	Total Recoverable	Water	1638	
500-272717-5	MW-3B_20250805	Total Recoverable	Water	1638	
500-272717-7	MW-43_20250805	Total Recoverable	Water	1638	
500-272717-9	MW-2A_20250805	Total Recoverable	Water	1638	
500-272717-11	MW-44_20250805	Total Recoverable	Water	1638	
500-272717-13	CBR-01_20250805	Total Recoverable	Water	1638	
500-272717-15	MW-2B_20250805	Total Recoverable	Water	1638	
500-272717-17	DUP-01_GW-20250805	Total Recoverable	Water	1638	
MB 350-8891/1-A	Method Blank	Total Recoverable	Water	1638	
MB 350-8891/2-A	Method Blank	Total Recoverable	Water	1638	
LCS 350-8891/3-A	Lab Control Sample	Total Recoverable	Water	1638	
LCSD 350-8891/4-A	Lab Control Sample Dup	Total Recoverable	Water	1638	

Prep Batch: 8906

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-272717-15	MW-2B_20250805	Dissolved	Water	1630	
500-272717-15	MW-2B_20250805	Total/NA	Water	1630	
500-272717-17	DUP-01_GW-20250805	Dissolved	Water	1630	
500-272717-17	DUP-01_GW-20250805	Total/NA	Water	1630	
MB 350-8906/1-A	Method Blank	Total/NA	Water	1630	
MB 350-8906/2-A	Method Blank	Total/NA	Water	1630	
MB 350-8906/3-A	Method Blank	Total/NA	Water	1630	
LCS 350-8906/4-A	Lab Control Sample	Total/NA	Water	1630	
LCSD 350-8906/5-A	Lab Control Sample Dup	Total/NA	Water	1630	
500-272717-15 MS	MW-2B_20250805	Total/NA	Water	1630	
500-272717-15 MSD	MW-2B_20250805	Total/NA	Water	1630	

Analysis Batch: 8923

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-272717-1	ARC-02_20250805	Dissolved	Water	1630	8862
500-272717-1	ARC-02_20250805	Total/NA	Water	1630	8862
500-272717-3	MW-43SB_20250805	Dissolved	Water	1630	8862
500-272717-3	MW-43SB_20250805	Total/NA	Water	1630	8862
500-272717-5	MW-3B_20250805	Dissolved	Water	1630	8862
500-272717-5	MW-3B_20250805	Total/NA	Water	1630	8862
500-272717-7	MW-43_20250805	Dissolved	Water	1630	8862
500-272717-7	MW-43_20250805	Total/NA	Water	1630	8862
500-272717-9	MW-2A_20250805	Dissolved	Water	1630	8862
500-272717-9	MW-2A_20250805	Total/NA	Water	1630	8862
500-272717-11	MW-44_20250805	Dissolved	Water	1630	8862
500-272717-11	MW-44_20250805	Total/NA	Water	1630	8862
500-272717-13	CBR-01_20250805	Dissolved	Water	1630	8862
500-272717-13	CBR-01_20250805	Total/NA	Water	1630	8862
MB 350-8862/1-A	Method Blank	Total/NA	Water	1630	8862
MB 350-8862/2-A	Method Blank	Total/NA	Water	1630	8862
MB 350-8862/3-A	Method Blank	Total/NA	Water	1630	8862

Metals (Continued)

Analysis Batch: 8923 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 350-8862/4-A	Lab Control Sample	Total/NA	Water	1630	8862
LCSD 350-8862/5-A	Lab Control Sample Dup	Total/NA	Water	1630	8862

Analysis Batch: 8925

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-272717-7	MW-43_20250805	Dissolved	Water	1631E	
500-272717-7	MW-43_20250805	Total/NA	Water	1631E	
500-272717-8	MW-43_20250805_FBLL	Total/NA	Water	1631E	
500-272717-9	MW-2A_20250805	Dissolved	Water	1631E	
500-272717-9	MW-2A_20250805	Total/NA	Water	1631E	
500-272717-10	MW-2A_20250805_FBLL	Total/NA	Water	1631E	
500-272717-11	MW-44_20250805	Dissolved	Water	1631E	
500-272717-11	MW-44_20250805	Total/NA	Water	1631E	
500-272717-12	MW-44_20250805_FBLL	Total/NA	Water	1631E	
500-272717-14	CBR-01_20250805_FBLL	Total/NA	Water	1631E	
MB 350-8925/36	Method Blank	Total/NA	Water	1631E	
MB 350-8925/37	Method Blank	Total/NA	Water	1631E	
MB 350-8925/38	Method Blank	Total/NA	Water	1631E	
LCS 350-8925/46	Lab Control Sample	Total/NA	Water	1631E	
LCSD 350-8925/47	Lab Control Sample Dup	Total/NA	Water	1631E	

Analysis Batch: 8959

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-272717-15	MW-2B_20250805	Dissolved	Water	1630	8906
500-272717-15	MW-2B_20250805	Total/NA	Water	1630	8906
500-272717-17	DUP-01_GW-20250805	Dissolved	Water	1630	8906
500-272717-17	DUP-01_GW-20250805	Total/NA	Water	1630	8906
MB 350-8906/1-A	Method Blank	Total/NA	Water	1630	8906
MB 350-8906/2-A	Method Blank	Total/NA	Water	1630	8906
MB 350-8906/3-A	Method Blank	Total/NA	Water	1630	8906
LCS 350-8906/4-A	Lab Control Sample	Total/NA	Water	1630	8906
LCSD 350-8906/5-A	Lab Control Sample Dup	Total/NA	Water	1630	8906
500-272717-15 MS	MW-2B_20250805	Total/NA	Water	1630	8906
500-272717-15 MSD	MW-2B_20250805	Total/NA	Water	1630	8906

Analysis Batch: 8961

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-272717-13	CBR-01_20250805	Dissolved	Water	1631E	
500-272717-13	CBR-01_20250805	Total/NA	Water	1631E	
500-272717-15	MW-2B_20250805	Dissolved	Water	1631E	
500-272717-15	MW-2B_20250805	Total/NA	Water	1631E	
500-272717-16	MW-2B_20250805_FBLL	Total/NA	Water	1631E	
500-272717-17	DUP-01_GW-20250805	Dissolved	Water	1631E	
500-272717-17	DUP-01_GW-20250805	Total/NA	Water	1631E	
500-272717-18	DUP-01_GW-20250805_FBLL	Total/NA	Water	1631E	
MB 350-8961/16	Method Blank	Total/NA	Water	1631E	
MB 350-8961/17	Method Blank	Total/NA	Water	1631E	
MB 350-8961/18	Method Blank	Total/NA	Water	1631E	
LCS 350-8961/19	Lab Control Sample	Total/NA	Water	1631E	
LCSD 350-8961/20	Lab Control Sample Dup	Total/NA	Water	1631E	

Metals

Analysis Batch: 8987

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-272717-1	ARC-02_20250805	Dissolved	Water	1638	8890
500-272717-1	ARC-02_20250805	Total Recoverable	Water	1638	8891
500-272717-3	MW-43SB_20250805	Dissolved	Water	1638	8890
500-272717-3	MW-43SB_20250805	Total Recoverable	Water	1638	8891
500-272717-5	MW-3B_20250805	Dissolved	Water	1638	8890
500-272717-5	MW-3B_20250805	Total Recoverable	Water	1638	8891
500-272717-7	MW-43_20250805	Dissolved	Water	1638	8890
500-272717-7	MW-43_20250805	Total Recoverable	Water	1638	8891
500-272717-9	MW-2A_20250805	Dissolved	Water	1638	8890
500-272717-9	MW-2A_20250805	Total Recoverable	Water	1638	8891
500-272717-11	MW-44_20250805	Dissolved	Water	1638	8890
500-272717-11	MW-44_20250805	Total Recoverable	Water	1638	8891
500-272717-13	CBR-01_20250805	Dissolved	Water	1638	8890
500-272717-13	CBR-01_20250805	Total Recoverable	Water	1638	8891
500-272717-15	MW-2B_20250805	Dissolved	Water	1638	8890
500-272717-15	MW-2B_20250805	Total Recoverable	Water	1638	8891
500-272717-17	DUP-01_GW-20250805	Dissolved	Water	1638	8890
500-272717-17	DUP-01_GW-20250805	Total Recoverable	Water	1638	8891
MB 350-8890/1-A	Method Blank	Total Recoverable	Water	1638	8890
MB 350-8890/2-A	Method Blank	Total Recoverable	Water	1638	8890
MB 350-8891/1-A	Method Blank	Total Recoverable	Water	1638	8891
MB 350-8891/2-A	Method Blank	Total Recoverable	Water	1638	8891
LCS 350-8890/3-A	Lab Control Sample	Total Recoverable	Water	1638	8890
LCS 350-8891/3-A	Lab Control Sample	Total Recoverable	Water	1638	8891
LCSD 350-8890/4-A	Lab Control Sample Dup	Total Recoverable	Water	1638	8890
LCSD 350-8891/4-A	Lab Control Sample Dup	Total Recoverable	Water	1638	8891

Prep Batch: 829801

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-272717-1	ARC-02_20250805	Dissolved	Water	3005A	
500-272717-1	ARC-02_20250805	Total Recoverable	Water	3005A	
500-272717-3	MW-43SB_20250805	Dissolved	Water	3005A	
500-272717-3	MW-43SB_20250805	Total Recoverable	Water	3005A	
500-272717-5	MW-3B_20250805	Dissolved	Water	3005A	
500-272717-5	MW-3B_20250805	Total Recoverable	Water	3005A	
500-272717-7	MW-43_20250805	Dissolved	Water	3005A	
500-272717-7	MW-43_20250805	Total Recoverable	Water	3005A	
500-272717-9	MW-2A_20250805	Dissolved	Water	3005A	
500-272717-9	MW-2A_20250805	Total Recoverable	Water	3005A	
500-272717-11	MW-44_20250805	Dissolved	Water	3005A	
500-272717-11	MW-44_20250805	Total Recoverable	Water	3005A	
500-272717-13	CBR-01_20250805	Dissolved	Water	3005A	
500-272717-13	CBR-01_20250805	Total Recoverable	Water	3005A	
500-272717-15	MW-2B_20250805	Dissolved	Water	3005A	
500-272717-15	MW-2B_20250805	Total Recoverable	Water	3005A	
500-272717-17	DUP-01_GW-20250805	Dissolved	Water	3005A	
500-272717-17	DUP-01_GW-20250805	Total Recoverable	Water	3005A	
MB 500-829801/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 500-829801/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
500-272717-1 MS	ARC-02_20250805	Total Recoverable	Water	3005A	
500-272717-1 MSD	ARC-02_20250805	Total Recoverable	Water	3005A	

Metals (Continued)

Prep Batch: 829801 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-272717-1 DU	ARC-02_20250805	Total Recoverable	Water	3005A	

Analysis Batch: 830756

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-272717-1	ARC-02_20250805	Dissolved	Water	6020B	829801
500-272717-1	ARC-02_20250805	Total Recoverable	Water	6020B	829801
500-272717-3	MW-43SB_20250805	Dissolved	Water	6020B	829801
500-272717-3	MW-43SB_20250805	Total Recoverable	Water	6020B	829801
500-272717-7	MW-43_20250805	Dissolved	Water	6020B	829801
500-272717-7	MW-43_20250805	Total Recoverable	Water	6020B	829801
500-272717-9	MW-2A_20250805	Dissolved	Water	6020B	829801
500-272717-9	MW-2A_20250805	Total Recoverable	Water	6020B	829801
500-272717-11	MW-44_20250805	Dissolved	Water	6020B	829801
500-272717-11	MW-44_20250805	Total Recoverable	Water	6020B	829801
500-272717-13	CBR-01_20250805	Dissolved	Water	6020B	829801
500-272717-13	CBR-01_20250805	Total Recoverable	Water	6020B	829801
500-272717-15	MW-2B_20250805	Dissolved	Water	6020B	829801
500-272717-15	MW-2B_20250805	Total Recoverable	Water	6020B	829801
500-272717-17	DUP-01_GW-20250805	Dissolved	Water	6020B	829801
500-272717-17	DUP-01_GW-20250805	Total Recoverable	Water	6020B	829801
MB 500-829801/1-A	Method Blank	Total Recoverable	Water	6020B	829801
LCS 500-829801/2-A	Lab Control Sample	Total Recoverable	Water	6020B	829801
500-272717-1 MS	ARC-02_20250805	Total Recoverable	Water	6020B	829801
500-272717-1 MSD	ARC-02_20250805	Total Recoverable	Water	6020B	829801
500-272717-1 DU	ARC-02_20250805	Total Recoverable	Water	6020B	829801

Analysis Batch: 830796

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-272717-1	ARC-02_20250805	Total Recoverable	Water	SM 2340B	829801
500-272717-3	MW-43SB_20250805	Total Recoverable	Water	SM 2340B	829801
500-272717-5	MW-3B_20250805	Total Recoverable	Water	SM 2340B	829801
500-272717-7	MW-43_20250805	Total Recoverable	Water	SM 2340B	829801
500-272717-9	MW-2A_20250805	Total Recoverable	Water	SM 2340B	829801
500-272717-11	MW-44_20250805	Total Recoverable	Water	SM 2340B	829801
500-272717-13	CBR-01_20250805	Total Recoverable	Water	SM 2340B	829801
500-272717-15	MW-2B_20250805	Total Recoverable	Water	SM 2340B	829801
500-272717-17	DUP-01_GW-20250805	Total Recoverable	Water	SM 2340B	829801

Analysis Batch: 830941

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-272717-3	MW-43SB_20250805	Dissolved	Water	6020B	829801
500-272717-3	MW-43SB_20250805	Total Recoverable	Water	6020B	829801
500-272717-5	MW-3B_20250805	Dissolved	Water	6020B	829801
500-272717-5	MW-3B_20250805	Total Recoverable	Water	6020B	829801

General Chemistry

Analysis Batch: 667765

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-272717-1	ARC-02_20250805	Total/NA	Water	SM 5310C	
500-272717-3	MW-43SB_20250805	Total/NA	Water	SM 5310C	

General Chemistry (Continued)

Analysis Batch: 667765 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-272717-5	MW-3B_20250805	Total/NA	Water	SM 5310C	
500-272717-7	MW-43_20250805	Total/NA	Water	SM 5310C	
500-272717-9	MW-2A_20250805	Total/NA	Water	SM 5310C	
MB 240-667765/38	Method Blank	Total/NA	Water	SM 5310C	
LCS 240-667765/39	Lab Control Sample	Total/NA	Water	SM 5310C	
500-272717-1 MS	ARC-02_20250805	Total/NA	Water	SM 5310C	
500-272717-1 MSD	ARC-02_20250805	Total/NA	Water	SM 5310C	

Analysis Batch: 667766

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-272717-1	ARC-02_20250805	Dissolved	Water	SM 5310C	
500-272717-3	MW-43SB_20250805	Dissolved	Water	SM 5310C	
500-272717-5	MW-3B_20250805	Dissolved	Water	SM 5310C	
500-272717-7	MW-43_20250805	Dissolved	Water	SM 5310C	
MB 240-667766/38	Method Blank	Dissolved	Water	SM 5310C	
MB 240-667766/5	Method Blank	Dissolved	Water	SM 5310C	
LCS 240-667766/21	Lab Control Sample	Dissolved	Water	SM 5310C	
LCS 240-667766/39	Lab Control Sample	Dissolved	Water	SM 5310C	

Analysis Batch: 667960

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-272717-11	MW-44_20250805	Total/NA	Water	SM 5310C	
500-272717-13	CBR-01_20250805	Total/NA	Water	SM 5310C	
500-272717-15	MW-2B_20250805	Total/NA	Water	SM 5310C	
500-272717-17	DUP-01_GW-20250805	Total/NA	Water	SM 5310C	
MB 240-667960/5	Method Blank	Total/NA	Water	SM 5310C	
LCS 240-667960/6	Lab Control Sample	Total/NA	Water	SM 5310C	

Analysis Batch: 667961

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-272717-9	MW-2A_20250805	Dissolved	Water	SM 5310C	
500-272717-11	MW-44_20250805	Dissolved	Water	SM 5310C	
500-272717-13	CBR-01_20250805	Dissolved	Water	SM 5310C	
500-272717-15	MW-2B_20250805	Dissolved	Water	SM 5310C	
500-272717-17	DUP-01_GW-20250805	Dissolved	Water	SM 5310C	
MB 240-667961/5	Method Blank	Dissolved	Water	SM 5310C	
LCS 240-667961/21	Lab Control Sample	Dissolved	Water	SM 5310C	
LCS 240-667961/6	Lab Control Sample	Dissolved	Water	SM 5310C	

Analysis Batch: 829064

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-272717-1	ARC-02_20250805	Total/NA	Water	300.0	
500-272717-3	MW-43SB_20250805	Total/NA	Water	300.0	
500-272717-5	MW-3B_20250805	Total/NA	Water	300.0	
500-272717-7	MW-43_20250805	Total/NA	Water	300.0	
500-272717-9	MW-2A_20250805	Total/NA	Water	300.0	
500-272717-11	MW-44_20250805	Total/NA	Water	300.0	
500-272717-13	CBR-01_20250805	Total/NA	Water	300.0	
500-272717-15	MW-2B_20250805	Total/NA	Water	300.0	
500-272717-17	DUP-01_GW-20250805	Total/NA	Water	300.0	
MB 500-829064/3	Method Blank	Total/NA	Water	300.0	

General Chemistry (Continued)

Analysis Batch: 829064 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 500-829064/4	Lab Control Sample	Total/NA	Water	300.0	
500-272717-17 MS	DUP-01_GW-20250805	Total/NA	Water	300.0	
500-272717-17 MSD	DUP-01_GW-20250805	Total/NA	Water	300.0	

Analysis Batch: 829065

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-272717-1	ARC-02_20250805	Total/NA	Water	300.0	
500-272717-3	MW-43SB_20250805	Total/NA	Water	300.0	
500-272717-5	MW-3B_20250805	Total/NA	Water	300.0	
500-272717-7	MW-43_20250805	Total/NA	Water	300.0	
500-272717-9	MW-2A_20250805	Total/NA	Water	300.0	
500-272717-11	MW-44_20250805	Total/NA	Water	300.0	
500-272717-13	CBR-01_20250805	Total/NA	Water	300.0	
500-272717-15	MW-2B_20250805	Total/NA	Water	300.0	
500-272717-17	DUP-01_GW-20250805	Total/NA	Water	300.0	
MB 500-829065/3	Method Blank	Total/NA	Water	300.0	
LCS 500-829065/4	Lab Control Sample	Total/NA	Water	300.0	
500-272717-17 MS	DUP-01_GW-20250805	Total/NA	Water	300.0	
500-272717-17 MSD	DUP-01_GW-20250805	Total/NA	Water	300.0	

Analysis Batch: 829172

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-272717-1	ARC-02_20250805	Total/NA	Water	SM 2540D	
500-272717-3	MW-43SB_20250805	Total/NA	Water	SM 2540D	
500-272717-5	MW-3B_20250805	Total/NA	Water	SM 2540D	
MB 500-829172/1	Method Blank	Total/NA	Water	SM 2540D	
LCS 500-829172/2	Lab Control Sample	Total/NA	Water	SM 2540D	

Analysis Batch: 829230

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-272717-7	MW-43_20250805	Total/NA	Water	SM 2540D	
500-272717-9	MW-2A_20250805	Total/NA	Water	SM 2540D	
500-272717-11	MW-44_20250805	Total/NA	Water	SM 2540D	
500-272717-13	CBR-01_20250805	Total/NA	Water	SM 2540D	
500-272717-15	MW-2B_20250805	Total/NA	Water	SM 2540D	
500-272717-17	DUP-01_GW-20250805	Total/NA	Water	SM 2540D	
MB 500-829230/1	Method Blank	Total/NA	Water	SM 2540D	
LCS 500-829230/2	Lab Control Sample	Total/NA	Water	SM 2540D	
500-272717-15 MS	MW-2B_20250805	Total/NA	Water	SM 2540D	
500-272717-7 DU	MW-43_20250805	Total/NA	Water	SM 2540D	
500-272717-11 DU	MW-44_20250805	Total/NA	Water	SM 2540D	

Prep Batch: 829284

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-272717-1	ARC-02_20250805	Total/NA	Water	365.2/365.3/365	
500-272717-3	MW-43SB_20250805	Total/NA	Water	365.2/365.3/365	
500-272717-5	MW-3B_20250805	Total/NA	Water	365.2/365.3/365	
500-272717-7	MW-43_20250805	Total/NA	Water	365.2/365.3/365	
500-272717-9	MW-2A_20250805	Total/NA	Water	365.2/365.3/365	
500-272717-11	MW-44_20250805	Total/NA	Water	365.2/365.3/365	
500-272717-13	CBR-01_20250805	Total/NA	Water	365.2/365.3/365	

General Chemistry (Continued)

Prep Batch: 829284 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-272717-15	MW-2B_20250805	Total/NA	Water	365.2/365.3/365	
500-272717-17	DUP-01_GW-20250805	Total/NA	Water	365.2/365.3/365	
MB 500-829284/1-A	Method Blank	Total/NA	Water	365.2/365.3/365	
LCS 500-829284/2-A	Lab Control Sample	Total/NA	Water	365.2/365.3/365	

Analysis Batch: 829399

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-272717-1	ARC-02_20250805	Total/NA	Water	SM 2320B	
500-272717-3	MW-43SB_20250805	Total/NA	Water	SM 2320B	
500-272717-5	MW-3B_20250805	Total/NA	Water	SM 2320B	
500-272717-7	MW-43_20250805	Total/NA	Water	SM 2320B	
500-272717-9	MW-2A_20250805	Total/NA	Water	SM 2320B	
500-272717-17	DUP-01_GW-20250805	Total/NA	Water	SM 2320B	
MB 500-829399/28	Method Blank	Total/NA	Water	SM 2320B	
LCS 500-829399/29	Lab Control Sample	Total/NA	Water	SM 2320B	

Analysis Batch: 829447

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-272717-1	ARC-02_20250805	Total/NA	Water	SM 2540C	
500-272717-3	MW-43SB_20250805	Total/NA	Water	SM 2540C	
500-272717-5	MW-3B_20250805	Total/NA	Water	SM 2540C	
500-272717-7	MW-43_20250805	Total/NA	Water	SM 2540C	
500-272717-9	MW-2A_20250805	Total/NA	Water	SM 2540C	
500-272717-11	MW-44_20250805	Total/NA	Water	SM 2540C	
500-272717-13	CBR-01_20250805	Total/NA	Water	SM 2540C	
500-272717-15	MW-2B_20250805	Total/NA	Water	SM 2540C	
500-272717-17	DUP-01_GW-20250805	Total/NA	Water	SM 2540C	
MB 500-829447/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-829447/2	Lab Control Sample	Total/NA	Water	SM 2540C	
500-272717-1 MS	ARC-02_20250805	Total/NA	Water	SM 2540C	
500-272717-1 DU	ARC-02_20250805	Total/NA	Water	SM 2540C	
500-272717-3 DU	MW-43SB_20250805	Total/NA	Water	SM 2540C	

Analysis Batch: 829498

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-272717-1	ARC-02_20250805	Total/NA	Water	SM 4500 S2 F	
500-272717-3	MW-43SB_20250805	Total/NA	Water	SM 4500 S2 F	
500-272717-5	MW-3B_20250805	Total/NA	Water	SM 4500 S2 F	
500-272717-7	MW-43_20250805	Total/NA	Water	SM 4500 S2 F	
500-272717-9	MW-2A_20250805	Total/NA	Water	SM 4500 S2 F	
500-272717-11	MW-44_20250805	Total/NA	Water	SM 4500 S2 F	
500-272717-13	CBR-01_20250805	Total/NA	Water	SM 4500 S2 F	
500-272717-15	MW-2B_20250805	Total/NA	Water	SM 4500 S2 F	
500-272717-17	DUP-01_GW-20250805	Total/NA	Water	SM 4500 S2 F	
MB 500-829498/1	Method Blank	Total/NA	Water	SM 4500 S2 F	
LCS 500-829498/2	Lab Control Sample	Total/NA	Water	SM 4500 S2 F	

Prep Batch: 829530

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-272717-13	CBR-01_20250805	Total/NA	Water	Distill/CN	
500-272717-15	MW-2B_20250805	Total/NA	Water	Distill/CN	

General Chemistry (Continued)

Prep Batch: 829530 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-272717-17	DUP-01_GW-20250805	Total/NA	Water	Distill/CN	
MB 500-829530/1-A	Method Blank	Total/NA	Water	Distill/CN	
LCS 500-829530/2-A	Lab Control Sample	Total/NA	Water	Distill/CN	

Analysis Batch: 829551

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-272717-1	ARC-02_20250805	Total/NA	Water	SM 2520B	
500-272717-3	MW-43SB_20250805	Total/NA	Water	SM 2520B	
500-272717-17	DUP-01_GW-20250805	Total/NA	Water	SM 2520B	

Analysis Batch: 829708

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-272717-13	CBR-01_20250805	Total/NA	Water	335.4	829530
500-272717-15	MW-2B_20250805	Total/NA	Water	335.4	829530
500-272717-17	DUP-01_GW-20250805	Total/NA	Water	335.4	829530
MB 500-829530/1-A	Method Blank	Total/NA	Water	335.4	829530
LCS 500-829530/2-A	Lab Control Sample	Total/NA	Water	335.4	829530

Analysis Batch: 829733

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-272717-11	MW-44_20250805	Total/NA	Water	SM 2320B	
500-272717-13	CBR-01_20250805	Total/NA	Water	SM 2320B	
500-272717-15	MW-2B_20250805	Total/NA	Water	SM 2320B	
MB 500-829733/3	Method Blank	Total/NA	Water	SM 2320B	
LCS 500-829733/4	Lab Control Sample	Total/NA	Water	SM 2320B	
500-272717-11 DU	MW-44_20250805	Total/NA	Water	SM 2320B	

Prep Batch: 829737

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-272717-1	ARC-02_20250805	Total/NA	Water	Distill/CN	
500-272717-3	MW-43SB_20250805	Total/NA	Water	Distill/CN	
MB 500-829737/1-A	Method Blank	Total/NA	Water	Distill/CN	
LCS 500-829737/2-A	Lab Control Sample	Total/NA	Water	Distill/CN	
500-272717-3 MS	MW-43SB_20250805	Total/NA	Water	Distill/CN	
500-272717-3 MSD	MW-43SB_20250805	Total/NA	Water	Distill/CN	

Prep Batch: 829738

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-272717-5	MW-3B_20250805	Total/NA	Water	Distill/CN	
500-272717-7	MW-43_20250805	Total/NA	Water	Distill/CN	
500-272717-9	MW-2A_20250805	Total/NA	Water	Distill/CN	
500-272717-11	MW-44_20250805	Total/NA	Water	Distill/CN	
MB 500-829738/1-A	Method Blank	Total/NA	Water	Distill/CN	
LCS 500-829738/2-A	Lab Control Sample	Total/NA	Water	Distill/CN	
500-272717-5 MS	MW-3B_20250805	Total/NA	Water	Distill/CN	
500-272717-5 MSD	MW-3B_20250805	Total/NA	Water	Distill/CN	

Analysis Batch: 829787

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-272717-1	ARC-02_20250805	Total/NA	Water	365.1	829284
500-272717-3	MW-43SB_20250805	Total/NA	Water	365.1	829284

General Chemistry (Continued)

Analysis Batch: 829787 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-272717-5	MW-3B_20250805	Total/NA	Water	365.1	829284
500-272717-7	MW-43_20250805	Total/NA	Water	365.1	829284
500-272717-9	MW-2A_20250805	Total/NA	Water	365.1	829284
500-272717-11	MW-44_20250805	Total/NA	Water	365.1	829284
500-272717-13	CBR-01_20250805	Total/NA	Water	365.1	829284
500-272717-15	MW-2B_20250805	Total/NA	Water	365.1	829284
500-272717-17	DUP-01_GW-20250805	Total/NA	Water	365.1	829284
MB 500-829284/1-A	Method Blank	Total/NA	Water	365.1	829284
LCS 500-829284/2-A	Lab Control Sample	Total/NA	Water	365.1	829284

Analysis Batch: 829909

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-272717-1	ARC-02_20250805	Total/NA	Water	335.4	829737
500-272717-3	MW-43SB_20250805	Total/NA	Water	335.4	829737
500-272717-5	MW-3B_20250805	Total/NA	Water	335.4	829738
500-272717-7	MW-43_20250805	Total/NA	Water	335.4	829738
500-272717-9	MW-2A_20250805	Total/NA	Water	335.4	829738
500-272717-11	MW-44_20250805	Total/NA	Water	335.4	829738
MB 500-829737/1-A	Method Blank	Total/NA	Water	335.4	829737
MB 500-829738/1-A	Method Blank	Total/NA	Water	335.4	829738
LCS 500-829737/2-A	Lab Control Sample	Total/NA	Water	335.4	829737
LCS 500-829738/2-A	Lab Control Sample	Total/NA	Water	335.4	829738
500-272717-3 MS	MW-43SB_20250805	Total/NA	Water	335.4	829737
500-272717-3 MSD	MW-43SB_20250805	Total/NA	Water	335.4	829737
500-272717-5 MS	MW-3B_20250805	Total/NA	Water	335.4	829738
500-272717-5 MSD	MW-3B_20250805	Total/NA	Water	335.4	829738

Analysis Batch: 830141

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-272717-5	MW-3B_20250805	Total/NA	Water	SM 2520B	
500-272717-7	MW-43_20250805	Total/NA	Water	SM 2520B	
500-272717-9	MW-2A_20250805	Total/NA	Water	SM 2520B	
500-272717-11	MW-44_20250805	Total/NA	Water	SM 2520B	
500-272717-13	CBR-01_20250805	Total/NA	Water	SM 2520B	
500-272717-15	MW-2B_20250805	Total/NA	Water	SM 2520B	

Analysis Batch: 830591

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-272717-3	MW-43SB_20250805	Total/NA	Water	300.0	
500-272717-5	MW-3B_20250805	Total/NA	Water	300.0	
500-272717-9	MW-2A_20250805	Total/NA	Water	300.0	
500-272717-11	MW-44_20250805	Total/NA	Water	300.0	
500-272717-17	DUP-01_GW-20250805	Total/NA	Water	300.0	
MB 500-830591/3	Method Blank	Total/NA	Water	300.0	
LCS 500-830591/4	Lab Control Sample	Total/NA	Water	300.0	

Prep Batch: 830666

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-272717-1	ARC-02_20250805	Total/NA	Water	Distill/Ammonia	
500-272717-3	MW-43SB_20250805	Total/NA	Water	Distill/Ammonia	
500-272717-5	MW-3B_20250805	Total/NA	Water	Distill/Ammonia	

General Chemistry (Continued)

Prep Batch: 830666 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-272717-7	MW-43_20250805	Total/NA	Water	Distill/Ammonia	
500-272717-9	MW-2A_20250805	Total/NA	Water	Distill/Ammonia	
500-272717-11	MW-44_20250805	Total/NA	Water	Distill/Ammonia	
500-272717-13	CBR-01_20250805	Total/NA	Water	Distill/Ammonia	
500-272717-15	MW-2B_20250805	Total/NA	Water	Distill/Ammonia	
500-272717-17	DUP-01_GW-20250805	Total/NA	Water	Distill/Ammonia	
MB 500-830666/1-A	Method Blank	Total/NA	Water	Distill/Ammonia	
LCS 500-830666/2-A	Lab Control Sample	Total/NA	Water	Distill/Ammonia	

Analysis Batch: 830724

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-272717-1	ARC-02_20250805	Total/NA	Water	350.1	830666
500-272717-3	MW-43SB_20250805	Total/NA	Water	350.1	830666
500-272717-5	MW-3B_20250805	Total/NA	Water	350.1	830666
500-272717-7	MW-43_20250805	Total/NA	Water	350.1	830666
500-272717-9	MW-2A_20250805	Total/NA	Water	350.1	830666
500-272717-11	MW-44_20250805	Total/NA	Water	350.1	830666
500-272717-13	CBR-01_20250805	Total/NA	Water	350.1	830666
500-272717-15	MW-2B_20250805	Total/NA	Water	350.1	830666
500-272717-17	DUP-01_GW-20250805	Total/NA	Water	350.1	830666
MB 500-830666/1-A	Method Blank	Total/NA	Water	350.1	830666
LCS 500-830666/2-A	Lab Control Sample	Total/NA	Water	350.1	830666

Method: 1630 - Methyl Mercury

Lab Sample ID: MB 350-8862/1-A
Matrix: Water
Analysis Batch: 8923

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 8862

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		08/14/25 12:07	08/14/25 17:54	1

Lab Sample ID: MB 350-8862/2-A
Matrix: Water
Analysis Batch: 8923

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 8862

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		08/14/25 12:07	08/14/25 18:04	1

Lab Sample ID: MB 350-8862/3-A
Matrix: Water
Analysis Batch: 8923

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 8862

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		08/14/25 12:07	08/14/25 18:15	1

Lab Sample ID: LCS 350-8862/4-A
Matrix: Water
Analysis Batch: 8923

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 8862

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Methyl Mercury	1.00	0.876		ng/L		88	65 - 135

Lab Sample ID: LCSD 350-8862/5-A
Matrix: Water
Analysis Batch: 8923

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 8862

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Methyl Mercury	1.00	0.758		ng/L		76	65 - 135	14	35

Lab Sample ID: MB 350-8906/1-A
Matrix: Water
Analysis Batch: 8959

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 8906

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		08/15/25 11:45	08/15/25 18:34	1

Lab Sample ID: MB 350-8906/2-A
Matrix: Water
Analysis Batch: 8959

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 8906

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		08/15/25 11:45	08/15/25 18:44	1

Lab Sample ID: MB 350-8906/3-A
Matrix: Water
Analysis Batch: 8959

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 8906

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Mercury	<0.022		0.050	0.022	ng/L		08/15/25 11:45	08/15/25 18:55	1

Method: 1630 - Methyl Mercury

Lab Sample ID: LCS 350-8906/4-A
Matrix: Water
Analysis Batch: 8959

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 8906

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Methyl Mercury	1.00	0.789		ng/L		79	65 - 135

Lab Sample ID: LCSD 350-8906/5-A
Matrix: Water
Analysis Batch: 8959

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 8906

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Methyl Mercury	1.00	0.792		ng/L		79	65 - 135	0	35

Lab Sample ID: 500-272717-15 MS
Matrix: Water
Analysis Batch: 8959

Client Sample ID: MW-2B_20250805
Prep Type: Total/NA
Prep Batch: 8906

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Methyl Mercury	<0.022		1.00	0.805		ng/L		80	65 - 135

Lab Sample ID: 500-272717-15 MSD
Matrix: Water
Analysis Batch: 8959

Client Sample ID: MW-2B_20250805
Prep Type: Total/NA
Prep Batch: 8906

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Methyl Mercury	<0.022		1.00	0.866		ng/L		87	65 - 135	7	35

Method: 1631E - Mercury, Low Level (CVAFS)

Lab Sample ID: MB 350-8791/27
Matrix: Water
Analysis Batch: 8791

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			08/11/25 13:02	1

Lab Sample ID: MB 350-8791/28
Matrix: Water
Analysis Batch: 8791

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			08/11/25 13:06	1

Lab Sample ID: MB 350-8791/29
Matrix: Water
Analysis Batch: 8791

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			08/11/25 13:10	1

Method: 1631E - Mercury, Low Level (CVAFS) (Continued)

Lab Sample ID: LCS 350-8791/110
Matrix: Water
Analysis Batch: 8791

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	5.00	5.15		ng/L		103	77 - 123

Lab Sample ID: LCSD 350-8791/111
Matrix: Water
Analysis Batch: 8791

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	5.00	4.56		ng/L		91	77 - 123	12	24

Lab Sample ID: MB 350-8925/36
Matrix: Water
Analysis Batch: 8925

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			08/14/25 14:20	1

Lab Sample ID: MB 350-8925/37
Matrix: Water
Analysis Batch: 8925

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			08/14/25 14:24	1

Lab Sample ID: MB 350-8925/38
Matrix: Water
Analysis Batch: 8925

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			08/14/25 14:29	1

Lab Sample ID: LCS 350-8925/46
Matrix: Water
Analysis Batch: 8925

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	5.00	4.48		ng/L		90	77 - 123

Lab Sample ID: LCSD 350-8925/47
Matrix: Water
Analysis Batch: 8925

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	5.00	4.46		ng/L		89	77 - 123	0	24

Lab Sample ID: MB 350-8961/16
Matrix: Water
Analysis Batch: 8961

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			08/18/25 12:05	1

Method: 1631E - Mercury, Low Level (CVAFS)

Lab Sample ID: MB 350-8961/17
Matrix: Water
Analysis Batch: 8961

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			08/18/25 12:10	1

Lab Sample ID: MB 350-8961/18
Matrix: Water
Analysis Batch: 8961

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.50	0.20	ng/L			08/18/25 12:14	1

Lab Sample ID: LCS 350-8961/19
Matrix: Water
Analysis Batch: 8961

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	5.00	4.85		ng/L		97	77 - 123

Lab Sample ID: LCSD 350-8961/20
Matrix: Water
Analysis Batch: 8961

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	5.00	4.76		ng/L		95	77 - 123	2	24

Method: 1638 - Metals (ICP/MS)

Lab Sample ID: MB 350-8890/1-A
Matrix: Water
Analysis Batch: 8987

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 8890

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	<0.0098		0.050	0.0098	ug/L		08/15/25 13:12	08/18/25 13:07	1

Lab Sample ID: MB 350-8890/2-A
Matrix: Water
Analysis Batch: 8987

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 8890

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	<0.0098		0.050	0.0098	ug/L		08/15/25 13:12	08/18/25 13:11	1

Lab Sample ID: LCS 350-8890/3-A
Matrix: Water
Analysis Batch: 8987

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 8890

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Uranium	50.0	49.9		ug/L		100	85 - 115

Method: 1638 - Metals (ICP/MS) (Continued)

Lab Sample ID: LCSD 350-8890/4-A
Matrix: Water
Analysis Batch: 8987

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 8890

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Uranium	50.0	49.8		ug/L		100	85 - 115	0	20

Lab Sample ID: MB 350-8891/1-A
Matrix: Water
Analysis Batch: 8987

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 8891

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	<0.0098		0.050	0.0098	ug/L		08/15/25 13:12	08/18/25 15:06	1

Lab Sample ID: MB 350-8891/2-A
Matrix: Water
Analysis Batch: 8987

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 8891

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	<0.0098		0.050	0.0098	ug/L		08/15/25 13:12	08/18/25 15:18	1

Lab Sample ID: LCS 350-8891/3-A
Matrix: Water
Analysis Batch: 8987

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 8891

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Uranium	50.0	50.9		ug/L		102	85 - 115

Lab Sample ID: LCSD 350-8891/4-A
Matrix: Water
Analysis Batch: 8987

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 8891

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Uranium	50.0	51.8		ug/L		104	85 - 115	2	20

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 500-829801/1-A
Matrix: Water
Analysis Batch: 830756

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 829801

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<25		100	25	ug/L		08/13/25 08:09	08/19/25 12:26	1
Antimony	<1.3		3.0	1.3	ug/L		08/13/25 08:09	08/19/25 12:26	1
Arsenic	<0.23		1.0	0.23	ug/L		08/13/25 08:09	08/19/25 12:26	1
Barium	<0.73		2.5	0.73	ug/L		08/13/25 08:09	08/19/25 12:26	1
Beryllium	<0.53		1.0	0.53	ug/L		08/13/25 08:09	08/19/25 12:26	1
Boron	<13		50	13	ug/L		08/13/25 08:09	08/19/25 12:26	1
Cadmium	<0.17		0.50	0.17	ug/L		08/13/25 08:09	08/19/25 12:26	1
Calcium	<44		200	44	ug/L		08/13/25 08:09	08/19/25 12:26	1
Chromium	<1.1		5.0	1.1	ug/L		08/13/25 08:09	08/19/25 12:26	1
Cobalt	<0.40		1.0	0.40	ug/L		08/13/25 08:09	08/19/25 12:26	1
Copper	<0.50		2.0	0.50	ug/L		08/13/25 08:09	08/19/25 12:26	1
Iron	<47		100	47	ug/L		08/13/25 08:09	08/19/25 12:26	1
Lead	<0.19		0.50	0.19	ug/L		08/13/25 08:09	08/19/25 12:26	1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 500-829801/1-A
Matrix: Water
Analysis Batch: 830756

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 829801

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	<2.5		10	2.5	ug/L		08/13/25 08:09	08/19/25 12:26	1
Magnesium	<49		200	49	ug/L		08/13/25 08:09	08/19/25 12:26	1
Manganese	<0.79		2.5	0.79	ug/L		08/13/25 08:09	08/19/25 12:26	1
Molybdenum	<2.5		5.0	2.5	ug/L		08/13/25 08:09	08/19/25 12:26	1
Nickel	<0.63		2.0	0.63	ug/L		08/13/25 08:09	08/19/25 12:26	1
Potassium	<110		500	110	ug/L		08/13/25 08:09	08/19/25 12:26	1
Selenium	<0.98		2.5	0.98	ug/L		08/13/25 08:09	08/19/25 12:26	1
Silver	<0.12		0.50	0.12	ug/L		08/13/25 08:09	08/19/25 12:26	1
Sodium	<77		200	77	ug/L		08/13/25 08:09	08/19/25 12:26	1
Strontium	<0.64		4.0	0.64	ug/L		08/13/25 08:09	08/19/25 12:26	1
Thallium	<0.57		2.0	0.57	ug/L		08/13/25 08:09	08/19/25 12:26	1
Tin	<1.3		5.0	1.3	ug/L		08/13/25 08:09	08/19/25 12:26	1
Vanadium	<2.2		5.0	2.2	ug/L		08/13/25 08:09	08/19/25 12:26	1
Zinc	<6.9		20	6.9	ug/L		08/13/25 08:09	08/19/25 12:26	1

Lab Sample ID: LCS 500-829801/2-A
Matrix: Water
Analysis Batch: 830756

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 829801

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	2000	1920		ug/L		96	80 - 120
Antimony	500	525		ug/L		105	80 - 120
Arsenic	100	99.4		ug/L		99	80 - 120
Barium	500	483		ug/L		97	80 - 120
Beryllium	50.0	49.5		ug/L		99	80 - 120
Boron	1000	1010		ug/L		101	80 - 120
Cadmium	50.0	50.0		ug/L		100	80 - 120
Calcium	10000	8370		ug/L		84	80 - 120
Chromium	200	198		ug/L		99	80 - 120
Cobalt	500	521		ug/L		104	80 - 120
Copper	250	247		ug/L		99	80 - 120
Iron	1000	1070		ug/L		107	80 - 120
Lead	100	101		ug/L		101	80 - 120
Lithium	100	104		ug/L		104	80 - 120
Magnesium	10000	10500		ug/L		105	80 - 120
Manganese	500	506		ug/L		101	80 - 120
Molybdenum	1000	994		ug/L		99	80 - 120
Nickel	500	496		ug/L		99	80 - 120
Potassium	10000	10400		ug/L		104	80 - 120
Selenium	100	99.3		ug/L		99	80 - 120
Silver	50.0	51.3		ug/L		103	80 - 120
Sodium	10000	10400		ug/L		104	80 - 120
Strontium	1000	1020		ug/L		102	80 - 120
Thallium	100	103		ug/L		103	80 - 120
Tin	1000	999		ug/L		100	80 - 120
Vanadium	500	512		ug/L		102	80 - 120
Zinc	500	491		ug/L		98	80 - 120

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 500-272717-1 MS
Matrix: Water
Analysis Batch: 830756

Client Sample ID: ARC-02_20250805
Prep Type: Total Recoverable
Prep Batch: 829801

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	1200	F1	2000	3450		ug/L		111	75 - 125
Antimony	<1.3		500	485		ug/L		97	75 - 125
Arsenic	2.3		100	93.6		ug/L		91	75 - 125
Barium	51		500	498		ug/L		89	75 - 125
Beryllium	<0.53		50.0	47.0		ug/L		94	75 - 125
Boron	25	J	1000	949		ug/L		92	75 - 125
Cadmium	<0.17		50.0	46.2		ug/L		92	75 - 125
Calcium	19000	F1	10000	25800	F1	ug/L		72	75 - 125
Chromium	1.9	J	200	184		ug/L		91	75 - 125
Cobalt	2.2		500	488		ug/L		97	75 - 125
Copper	6.5		250	229		ug/L		89	75 - 125
Iron	9200		1000	9950	4	ug/L		79	75 - 125
Lead	0.64		100	94.6		ug/L		94	75 - 125
Lithium	<2.5		100	98.2		ug/L		98	75 - 125
Magnesium	4200		10000	13900		ug/L		97	75 - 125
Manganese	890		500	1350		ug/L		92	75 - 125
Molybdenum	<2.5		1000	925		ug/L		93	75 - 125
Nickel	1.8	J	500	460		ug/L		92	75 - 125
Potassium	1600		10000	11400		ug/L		99	75 - 125
Selenium	<0.98		100	91.8		ug/L		92	75 - 125
Silver	<0.12		50.0	48.1		ug/L		96	75 - 125
Sodium	1700		10000	11200		ug/L		95	75 - 125
Strontium	64		1000	963		ug/L		90	75 - 125
Thallium	<0.57		100	95.4		ug/L		95	75 - 125
Tin	<1.3		1000	939		ug/L		94	75 - 125
Vanadium	4.9	J	500	471		ug/L		93	75 - 125
Zinc	<6.9		500	456		ug/L		91	75 - 125

Lab Sample ID: 500-272717-1 MSD
Matrix: Water
Analysis Batch: 830756

Client Sample ID: ARC-02_20250805
Prep Type: Total Recoverable
Prep Batch: 829801

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum	1200	F1	2000	3760	F1	ug/L		126	75 - 125	9	20
Antimony	<1.3		500	518		ug/L		104	75 - 125	7	20
Arsenic	2.3		100	100		ug/L		98	75 - 125	7	20
Barium	51		500	530		ug/L		96	75 - 125	6	20
Beryllium	<0.53		50.0	49.7		ug/L		99	75 - 125	6	20
Boron	25	J	1000	1010		ug/L		99	75 - 125	6	20
Cadmium	<0.17		50.0	49.0		ug/L		98	75 - 125	6	20
Calcium	19000	F1	10000	27600		ug/L		90	75 - 125	7	20
Chromium	1.9	J	200	199		ug/L		98	75 - 125	8	20
Cobalt	2.2		500	522		ug/L		104	75 - 125	7	20
Copper	6.5		250	253		ug/L		99	75 - 125	10	20
Iron	9200		1000	10700	4	ug/L		153	75 - 125	7	20
Lead	0.64		100	102		ug/L		101	75 - 125	7	20
Lithium	<2.5		100	106		ug/L		106	75 - 125	8	20
Magnesium	4200		10000	14900		ug/L		107	75 - 125	7	20
Manganese	890		500	1460		ug/L		113	75 - 125	8	20

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 500-272717-1 MSD
Matrix: Water
Analysis Batch: 830756

Client Sample ID: ARC-02_20250805
Prep Type: Total Recoverable
Prep Batch: 829801

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Molybdenum	<2.5		1000	988		ug/L		99	75 - 125	7	20
Nickel	1.8	J	500	492		ug/L		98	75 - 125	7	20
Potassium	1600		10000	12200		ug/L		106	75 - 125	6	20
Selenium	<0.98		100	100		ug/L		100	75 - 125	9	20
Silver	<0.12		50.0	51.0		ug/L		102	75 - 125	6	20
Sodium	1700		10000	12100		ug/L		104	75 - 125	8	20
Strontium	64		1000	1040		ug/L		98	75 - 125	8	20
Thallium	<0.57		100	103		ug/L		103	75 - 125	8	20
Tin	<1.3		1000	1000		ug/L		100	75 - 125	7	20
Vanadium	4.9	J	500	509		ug/L		101	75 - 125	8	20
Zinc	<6.9		500	484		ug/L		97	75 - 125	6	20

Lab Sample ID: 500-272717-1 DU
Matrix: Water
Analysis Batch: 830756

Client Sample ID: ARC-02_20250805
Prep Type: Total Recoverable
Prep Batch: 829801

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Aluminum	1200	F1		1250		ug/L				0.8	20
Antimony	<1.3			<1.3		ug/L				NC	20
Arsenic	2.3			2.21		ug/L				3	20
Barium	51			52.4		ug/L				3	20
Beryllium	<0.53			<0.53		ug/L				NC	20
Boron	25	J		20.3	J	ug/L				19	20
Cadmium	<0.17			<0.17		ug/L				NC	20
Calcium	19000	F1		18900		ug/L				1	20
Chromium	1.9	J		2.03	J	ug/L				4	20
Cobalt	2.2			2.24		ug/L				3	20
Copper	6.5			6.20		ug/L				4	20
Iron	9200			9440		ug/L				3	20
Lead	0.64			0.654		ug/L				2	20
Lithium	<2.5			<2.5		ug/L				NC	20
Magnesium	4200			4260		ug/L				2	20
Manganese	890			902		ug/L				1	20
Molybdenum	<2.5			<2.5		ug/L				NC	20
Nickel	1.8	J		2.00		ug/L				8	20
Potassium	1600			1610		ug/L				2	20
Selenium	<0.98			<0.98		ug/L				NC	20
Silver	<0.12			<0.12		ug/L				NC	20
Sodium	1700			1760		ug/L				1	20
Strontium	64			65.5		ug/L				2	20
Thallium	<0.57			<0.57		ug/L				NC	20
Tin	<1.3			<1.3		ug/L				NC	20
Vanadium	4.9	J		5.16		ug/L				5	20
Zinc	<6.9			<6.9		ug/L				NC	20

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 500-829064/3
Matrix: Water
Analysis Batch: 829064

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	<0.45		1.0	0.45	mg/L			08/07/25 09:51	1
Chloride	<0.42		1.0	0.42	mg/L			08/07/25 09:51	1
Fluoride	<0.43		1.0	0.43	mg/L			08/07/25 09:51	1
Sulfate	<0.47		1.0	0.47	mg/L			08/07/25 09:51	1

Lab Sample ID: LCS 500-829064/4
Matrix: Water
Analysis Batch: 829064

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Bromide			20.0	19.5		mg/L		98	90 - 110		
Chloride			20.0	19.5		mg/L		97	90 - 110		
Fluoride			20.0	20.4		mg/L		102	90 - 110		
Sulfate			20.0	20.6		mg/L		103	90 - 110		

Lab Sample ID: 500-272717-17 MS
Matrix: Water
Analysis Batch: 829064

Client Sample ID: DUP-01_GW-20250805
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Bromide	0.78	J	10.0	12.1		mg/L		113	80 - 120		
Fluoride	<0.43		10.0	9.28		mg/L		93	80 - 120		
Sulfate	1.7		10.0	12.3		mg/L		106	80 - 120		

Lab Sample ID: 500-272717-17 MSD
Matrix: Water
Analysis Batch: 829064

Client Sample ID: DUP-01_GW-20250805
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Bromide	0.78	J	10.0	11.9		mg/L		111	80 - 120	2	20
Fluoride	<0.43		10.0	9.06		mg/L		91	80 - 120	2	20
Sulfate	1.7		10.0	12.0		mg/L		103	80 - 120	2	20

Lab Sample ID: MB 500-829065/3
Matrix: Water
Analysis Batch: 829065

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	<0.37		1.0	0.37	mg/L			08/07/25 09:51	1
Nitrite as N	<0.25		1.0	0.25	mg/L			08/07/25 09:51	1
Nitrate Nitrite as N	<0.37		1.0	0.37	mg/L			08/07/25 09:51	1

Lab Sample ID: LCS 500-829065/4
Matrix: Water
Analysis Batch: 829065

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Nitrate as N			20.0	20.2		mg/L		101	90 - 110		
Nitrite as N			20.0	19.5		mg/L		98	90 - 110		
Nitrate Nitrite as N			40.0	39.7		mg/L		99	90 - 110		

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 500-272717-17 MS
Matrix: Water
Analysis Batch: 829065

Client Sample ID: DUP-01_GW-20250805
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate as N	<0.37		2.26	1.91		mg/L		85	80 - 120
Nitrite as N	<0.25	F1	3.03	2.10	F1	mg/L		69	80 - 120
Nitrate Nitrite as N	<0.37	F1	5.29	4.01	F1	mg/L		76	80 - 120

Lab Sample ID: 500-272717-17 MSD
Matrix: Water
Analysis Batch: 829065

Client Sample ID: DUP-01_GW-20250805
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrate as N	<0.37		2.26	1.86		mg/L		82	80 - 120	2	20
Nitrite as N	<0.25	F1	3.03	2.17	F1	mg/L		72	80 - 120	3	20
Nitrate Nitrite as N	<0.37	F1	5.29	4.03	F1	mg/L		76	80 - 120	0	20

Lab Sample ID: MB 500-830591/3
Matrix: Water
Analysis Batch: 830591

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.42		1.0	0.42	mg/L			08/19/25 10:00	1

Lab Sample ID: LCS 500-830591/4
Matrix: Water
Analysis Batch: 830591

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	100	101		mg/L		101	90 - 110

Method: 335.4 - Cyanide, Total

Lab Sample ID: MB 500-829530/1-A
Matrix: Water
Analysis Batch: 829708

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 829530

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.0036		0.0050	0.0036	mg/L		08/11/25 14:30	08/12/25 11:53	1

Lab Sample ID: LCS 500-829530/2-A
Matrix: Water
Analysis Batch: 829708

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 829530

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.100	0.0920		mg/L		92	90 - 110

Lab Sample ID: MB 500-829737/1-A
Matrix: Water
Analysis Batch: 829909

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 829737

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.0036		0.0050	0.0036	mg/L		08/12/25 14:03	08/13/25 11:18	1

Method: 335.4 - Cyanide, Total (Continued)

Lab Sample ID: LCS 500-829737/2-A
Matrix: Water
Analysis Batch: 829909

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 829737

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Cyanide, Total			0.100	0.0940		mg/L		94	90 - 110		

Lab Sample ID: 500-272717-3 MS
Matrix: Water
Analysis Batch: 829909

Client Sample ID: MW-43SB_20250805
Prep Type: Total/NA
Prep Batch: 829737

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Cyanide, Total	<0.0036		0.100	0.0970		mg/L		97	90 - 110		

Lab Sample ID: 500-272717-3 MSD
Matrix: Water
Analysis Batch: 829909

Client Sample ID: MW-43SB_20250805
Prep Type: Total/NA
Prep Batch: 829737

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Cyanide, Total	<0.0036		0.100	0.0910		mg/L		91	90 - 110	6	20

Lab Sample ID: MB 500-829738/1-A
Matrix: Water
Analysis Batch: 829909

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 829738

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.0036		0.0050	0.0036	mg/L		08/12/25 14:23	08/13/25 11:44	1

Lab Sample ID: LCS 500-829738/2-A
Matrix: Water
Analysis Batch: 829909

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 829738

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Cyanide, Total			0.100	0.0920		mg/L		92	90 - 110		

Lab Sample ID: 500-272717-5 MS
Matrix: Water
Analysis Batch: 829909

Client Sample ID: MW-3B_20250805
Prep Type: Total/NA
Prep Batch: 829738

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Cyanide, Total	<0.0036		0.100	0.0950		mg/L		95	90 - 110		

Lab Sample ID: 500-272717-5 MSD
Matrix: Water
Analysis Batch: 829909

Client Sample ID: MW-3B_20250805
Prep Type: Total/NA
Prep Batch: 829738

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Cyanide, Total	<0.0036		0.100	0.0990		mg/L		99	90 - 110	4	20

Method: 350.1 - Nitrogen, Ammonia

Lab Sample ID: MB 500-830666/1-A
Matrix: Water
Analysis Batch: 830724

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 830666

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	<0.10		0.20	0.10	mg/L		08/19/25 13:45	08/19/25 17:26	1

Lab Sample ID: LCS 500-830666/2-A
Matrix: Water
Analysis Batch: 830724

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 830666

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ammonia	2.00	2.06		mg/L		103	90 - 110

Method: 365.1 - Phosphorus, Total

Lab Sample ID: MB 500-829284/1-A
Matrix: Water
Analysis Batch: 829787

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 829284

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phosphorus as P	0.0480	J	0.050	0.024	mg/L		08/08/25 11:35	08/12/25 17:38	1

Lab Sample ID: LCS 500-829284/2-A
Matrix: Water
Analysis Batch: 829787

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 829284

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Phosphorus as P	1.00	0.988		mg/L		99	88 - 123

Method: SM 2320B - Alkalinity

Lab Sample ID: MB 500-829399/28
Matrix: Water
Analysis Batch: 829399

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	<3.7		5.0	3.7	mg/L			08/10/25 12:06	1
Bicarbonate Alkalinity as CaCO3	<3.7		5.0	3.7	mg/L			08/10/25 12:06	1
Carbonate Alkalinity as CaCO3	<3.7		5.0	3.7	mg/L			08/10/25 12:06	1

Lab Sample ID: LCS 500-829399/29
Matrix: Water
Analysis Batch: 829399

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Alkalinity	100	108		mg/L		108	95 - 121

Lab Sample ID: MB 500-829733/3
Matrix: Water
Analysis Batch: 829733

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	3.80	J	5.0	3.7	mg/L			08/12/25 10:02	1
Bicarbonate Alkalinity as CaCO3	3.80	J	5.0	3.7	mg/L			08/12/25 10:02	1

Method: SM 2320B - Alkalinity (Continued)

Lab Sample ID: MB 500-829733/3
Matrix: Water
Analysis Batch: 829733

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbonate Alkalinity as CaCO3	<3.7		5.0	3.7	mg/L			08/12/25 10:02	1

Lab Sample ID: LCS 500-829733/4
Matrix: Water
Analysis Batch: 829733

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Alkalinity			100	111		mg/L		111	95 - 121		

Lab Sample ID: 500-272717-11 DU
Matrix: Water
Analysis Batch: 829733

Client Sample ID: MW-44_20250805
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Alkalinity	250	B		248		mg/L				0.9	20
Bicarbonate Alkalinity as CaCO3	250	B		248		mg/L				0.9	20
Carbonate Alkalinity as CaCO3	<3.7			<3.7		mg/L				NC	20

Method: SM 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 500-829447/1
Matrix: Water
Analysis Batch: 829447

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<4.3		10	4.3	mg/L			08/11/25 03:18	1

Lab Sample ID: LCS 500-829447/2
Matrix: Water
Analysis Batch: 829447

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Dissolved Solids			250	256		mg/L		102	80 - 120		

Lab Sample ID: 500-272717-1 MS
Matrix: Water
Analysis Batch: 829447

Client Sample ID: ARC-02_20250805
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Dissolved Solids	82		250	358		mg/L		110	75 - 125		

Lab Sample ID: 500-272717-1 DU
Matrix: Water
Analysis Batch: 829447

Client Sample ID: ARC-02_20250805
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	82			84.0		mg/L				2	5

Method: SM 2540C - Solids, Total Dissolved (TDS) (Continued)

Lab Sample ID: 500-272717-3 DU
Matrix: Water
Analysis Batch: 829447

Client Sample ID: MW-43SB_20250805
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	2300			2220		mg/L				2	5

Method: SM 2540D - Solids, Total Suspended (TSS)

Lab Sample ID: MB 500-829172/1
Matrix: Water
Analysis Batch: 829172

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	<1.9		5.0	1.9	mg/L			08/08/25 01:03	1

Lab Sample ID: LCS 500-829172/2
Matrix: Water
Analysis Batch: 829172

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Suspended Solids			200	186		mg/L		93	80 - 120		

Lab Sample ID: MB 500-829230/1
Matrix: Water
Analysis Batch: 829230

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	<1.9		5.0	1.9	mg/L			08/08/25 04:18	1

Lab Sample ID: LCS 500-829230/2
Matrix: Water
Analysis Batch: 829230

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Suspended Solids			200	190		mg/L		95	80 - 120		

Lab Sample ID: 500-272717-15 MS
Matrix: Water
Analysis Batch: 829230

Client Sample ID: MW-2B_20250805
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Suspended Solids	6.4		100	103		mg/L		97	75 - 125		

Lab Sample ID: 500-272717-7 DU
Matrix: Water
Analysis Batch: 829230

Client Sample ID: MW-43_20250805
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Suspended Solids	6.0			5.80		mg/L				3	5

Method: SM 2540D - Solids, Total Suspended (TSS) (Continued)

Lab Sample ID: 500-272717-11 DU
Matrix: Water
Analysis Batch: 829230

Client Sample ID: MW-44_20250805
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Suspended Solids	<1.9			<1.9		mg/L				NC	5

Method: SM 4500 S2 F - Sulfide, Total

Lab Sample ID: MB 500-829498/1
Matrix: Water
Analysis Batch: 829498

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	<0.23		1.0	0.23	mg/L			08/11/25 09:33	1

Lab Sample ID: LCS 500-829498/2
Matrix: Water
Analysis Batch: 829498

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Sulfide			3.51	3.61		mg/L		103	85 - 115		

Method: SM 5310C - Total Organic Carbon

Lab Sample ID: MB 240-667765/38
Matrix: Water
Analysis Batch: 667765

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	<0.44		1.0	0.44	mg/L			08/14/25 10:46	1

Lab Sample ID: LCS 240-667765/39
Matrix: Water
Analysis Batch: 667765

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Organic Carbon			44.0	41.9		mg/L		95	85 - 115		

Lab Sample ID: 500-272717-1 MS
Matrix: Water
Analysis Batch: 667765

Client Sample ID: ARC-02_20250805
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Organic Carbon	16		20.0	35.4		mg/L		98	65 - 134		

Lab Sample ID: 500-272717-1 MSD
Matrix: Water
Analysis Batch: 667765

Client Sample ID: ARC-02_20250805
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Organic Carbon	16		20.0	35.2		mg/L		97	65 - 134	1	10

Method: SM 5310C - Total Organic Carbon (Continued)

Lab Sample ID: MB 240-667960/5
Matrix: Water
Analysis Batch: 667960

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	<0.44		1.0	0.44	mg/L			08/14/25 20:12	1

Lab Sample ID: LCS 240-667960/6
Matrix: Water
Analysis Batch: 667960

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Organic Carbon	44.0	41.6		mg/L		95	85 - 115

Method: SM 5310C - Organic Carbon, Dissolved (DOC)

Lab Sample ID: MB 240-667766/38
Matrix: Water
Analysis Batch: 667766

Client Sample ID: Method Blank
Prep Type: Dissolved

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon	<0.44		1.0	0.44	mg/L			08/14/25 10:46	1

Lab Sample ID: MB 240-667766/5
Matrix: Water
Analysis Batch: 667766

Client Sample ID: Method Blank
Prep Type: Dissolved

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon	<0.44		1.0	0.44	mg/L			08/13/25 21:19	1

Lab Sample ID: LCS 240-667766/39
Matrix: Water
Analysis Batch: 667766

Client Sample ID: Lab Control Sample
Prep Type: Dissolved

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Dissolved Organic Carbon	44.0	41.9		mg/L		95	85 - 115

Lab Sample ID: MB 240-667961/5
Matrix: Water
Analysis Batch: 667961

Client Sample ID: Method Blank
Prep Type: Dissolved

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon	<0.44		1.0	0.44	mg/L			08/14/25 20:12	1

Lab Sample ID: LCS 240-667961/21
Matrix: Water
Analysis Batch: 667961

Client Sample ID: Lab Control Sample
Prep Type: Dissolved

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Dissolved Organic Carbon	44.0	41.5		mg/L		94	85 - 115

Method: SM 5310C - Organic Carbon, Dissolved (DOC) (Continued)

Lab Sample ID: LCS 240-667961/6
Matrix: Water
Analysis Batch: 667961

Client Sample ID: Lab Control Sample
Prep Type: Dissolved

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Dissolved Organic Carbon	44.0	41.6		mg/L		95	85 - 115

Lab Chronicle

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-272717-1

Client Sample ID: ARC-02_20250805

Lab Sample ID: 500-272717-1

Date Collected: 08/05/25 09:30

Matrix: Water

Date Received: 08/07/25 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	1630			8862	MR	EET SSM	08/14/25 12:07
Dissolved	Analysis	1630		1	8923	COW	EET SSM	08/14/25 20:37
Total/NA	Prep	1630			8862	MR	EET SSM	08/14/25 12:07
Total/NA	Analysis	1630		1	8923	COW	EET SSM	08/14/25 20:48
Dissolved	Analysis	1631E		1	8791	CL	EET SSM	08/11/25 20:00
Total/NA	Analysis	1631E		1	8791	CL	EET SSM	08/11/25 19:56
Dissolved	Prep	1638			8890	V1R	EET SSM	08/15/25 13:12
Dissolved	Analysis	1638		1	8987	V1R	EET SSM	08/18/25 14:21
Total Recoverable	Prep	1638			8891	V1R	EET SSM	08/15/25 13:12
Total Recoverable	Analysis	1638		1	8987	V1R	EET SSM	08/18/25 16:28
Dissolved	Prep	3005A			829801	BDE	EET CHI	08/13/25 08:09 - 08/13/25 14:09 [1]
Dissolved	Analysis	6020B		1	830756	RN	EET CHI	08/19/25 13:04
Total Recoverable	Prep	3005A			829801	BDE	EET CHI	08/13/25 08:09 - 08/13/25 14:09 [1]
Total Recoverable	Analysis	6020B		1	830756	RN	EET CHI	08/19/25 12:30
Total Recoverable	Prep	3005A			829801	BDE	EET CHI	08/13/25 08:09 - 08/13/25 14:09 [1]
Total Recoverable	Analysis	SM 2340B		1	830796	DAJ	EET CHI	08/20/25 09:56
Total/NA	Analysis	300.0		1	829064	MM	EET CHI	08/07/25 13:14
Total/NA	Analysis	300.0		1	829065	MM	EET CHI	08/07/25 13:14
Total/NA	Prep	Distill/CN			829737	AC	EET CHI	08/12/25 14:03 - 08/12/25 14:33 [1]
Total/NA	Analysis	335.4		1	829909	AC	EET CHI	08/13/25 11:39
Total/NA	Prep	Distill/Ammonia			830666	EB	EET CHI	08/19/25 13:45 - 08/19/25 14:45 [1]
Total/NA	Analysis	350.1		1	830724	EB	EET CHI	08/19/25 17:29
Total/NA	Prep	365.2/365.3/365			829284	MF	EET CHI	08/08/25 11:35 - 08/08/25 15:35 [1]
Total/NA	Analysis	365.1		1	829787	MF	EET CHI	08/12/25 17:43
Total/NA	Analysis	SM 2320B		1	829399	AC	EET CHI	08/10/25 13:55
Total/NA	Analysis	SM 2520B		1	829551	AC	EET CHI	08/11/25 16:26
Total/NA	Analysis	SM 2540C		1	829447	CLB	EET CHI	08/11/25 03:23
Total/NA	Analysis	SM 2540D		1	829172	CLB	EET CHI	08/08/25 01:52 - 08/08/25 01:55 [1]
Total/NA	Analysis	SM 4500 S2 F		1	829498	CLB	EET CHI	08/11/25 09:44 - 08/11/25 09:48 [1]
Dissolved	Analysis	SM 5310C		1	667766	JWW	EET CLE	08/14/25 12:46
Total/NA	Analysis	SM 5310C		1	667765	JWW	EET CLE	08/14/25 11:34

Client Sample ID: ARC-02_20250805_FBLL

Lab Sample ID: 500-272717-2

Date Collected: 08/05/25 09:30

Matrix: Water

Date Received: 08/07/25 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	1631E		1	8791	CL	EET SSM	08/11/25 20:13

Client Sample ID: MW-43SB_20250805

Lab Sample ID: 500-272717-3

Date Collected: 08/05/25 11:15

Matrix: Water

Date Received: 08/07/25 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	1630			8862	MR	EET SSM	08/14/25 12:07
Dissolved	Analysis	1630		1	8923	COW	EET SSM	08/14/25 21:08
Total/NA	Prep	1630			8862	MR	EET SSM	08/14/25 12:07
Total/NA	Analysis	1630		1	8923	COW	EET SSM	08/14/25 20:58
Dissolved	Analysis	1631E		1	8791	CL	EET SSM	08/11/25 20:21
Total/NA	Analysis	1631E		1	8791	CL	EET SSM	08/11/25 20:17
Dissolved	Prep	1638			8890	V1R	EET SSM	08/15/25 13:12
Dissolved	Analysis	1638		1	8987	V1R	EET SSM	08/18/25 14:33
Total Recoverable	Prep	1638			8891	V1R	EET SSM	08/15/25 13:12
Total Recoverable	Analysis	1638		1	8987	V1R	EET SSM	08/18/25 16:32
Dissolved	Prep	3005A			829801	BDE	EET CHI	08/13/25 08:09 - 08/13/25 14:09 [1]
Dissolved	Analysis	6020B		5	830941	RN	EET CHI	08/20/25 16:45
Dissolved	Prep	3005A			829801	BDE	EET CHI	08/13/25 08:09 - 08/13/25 14:09 [1]
Dissolved	Analysis	6020B		1	830756	RN	EET CHI	08/19/25 13:07
Total Recoverable	Prep	3005A			829801	BDE	EET CHI	08/13/25 08:09 - 08/13/25 14:09 [1]
Total Recoverable	Analysis	6020B		5	830941	RN	EET CHI	08/20/25 16:33
Total Recoverable	Prep	3005A			829801	BDE	EET CHI	08/13/25 08:09 - 08/13/25 14:09 [1]
Total Recoverable	Analysis	6020B		1	830756	RN	EET CHI	08/19/25 12:42
Total Recoverable	Prep	3005A			829801	BDE	EET CHI	08/13/25 08:09 - 08/13/25 14:09 [1]
Total Recoverable	Analysis	SM 2340B		1	830796	DAJ	EET CHI	08/20/25 09:56
Total/NA	Analysis	300.0		1	829064	MM	EET CHI	08/07/25 13:29
Total/NA	Analysis	300.0		1	829065	MM	EET CHI	08/07/25 13:29
Total/NA	Analysis	300.0		100	830591	MB	EET CHI	08/19/25 12:48
Total/NA	Prep	Distill/CN			829737	AC	EET CHI	08/12/25 14:03 - 08/12/25 14:33 [1]
Total/NA	Analysis	335.4		1	829909	AC	EET CHI	08/13/25 11:39
Total/NA	Prep	Distill/Ammonia			830666	EB	EET CHI	08/19/25 13:45 - 08/19/25 14:45 [1]
Total/NA	Analysis	350.1		1	830724	EB	EET CHI	08/19/25 17:29
Total/NA	Prep	365.2/365.3/365			829284	MF	EET CHI	08/08/25 11:35 - 08/08/25 15:35 [1]
Total/NA	Analysis	365.1		1	829787	MF	EET CHI	08/12/25 17:43
Total/NA	Analysis	SM 2320B		1	829399	AC	EET CHI	08/10/25 14:04
Total/NA	Analysis	SM 2520B		1	829551	AC	EET CHI	08/11/25 16:26
Total/NA	Analysis	SM 2540C		1	829447	CLB	EET CHI	08/11/25 03:30
Total/NA	Analysis	SM 2540D		1	829172	CLB	EET CHI	08/08/25 01:55 - 08/08/25 01:57 [1]
Total/NA	Analysis	SM 4500 S2 F		1	829498	CLB	EET CHI	08/11/25 09:48 - 08/11/25 09:52 [1]
Dissolved	Analysis	SM 5310C		1	667766	JWW	EET CLE	08/14/25 13:36
Total/NA	Analysis	SM 5310C		1	667765	JWW	EET CLE	08/14/25 13:11

Client Sample ID: MW-43SB_20250805_FBLL

Lab Sample ID: 500-272717-4

Date Collected: 08/05/25 11:15

Matrix: Water

Date Received: 08/07/25 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	1631E		1	8791	CL	EET SSM	08/11/25 20:25

Lab Chronicle

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-272717-1

Client Sample ID: MW-3B_20250805

Lab Sample ID: 500-272717-5

Date Collected: 08/05/25 11:40

Matrix: Water

Date Received: 08/07/25 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	1630			8862	MR	EET SSM	08/14/25 12:07
Dissolved	Analysis	1630		1	8923	COW	EET SSM	08/14/25 21:28
Total/NA	Prep	1630			8862	MR	EET SSM	08/14/25 12:07
Total/NA	Analysis	1630		1	8923	COW	EET SSM	08/14/25 21:18
Dissolved	Analysis	1631E		1	8791	CL	EET SSM	08/11/25 20:33
Total/NA	Analysis	1631E		1	8791	CL	EET SSM	08/11/25 20:29
Dissolved	Prep	1638			8890	V1R	EET SSM	08/15/25 13:12
Dissolved	Analysis	1638		1	8987	V1R	EET SSM	08/18/25 14:36
Total Recoverable	Prep	1638			8891	V1R	EET SSM	08/15/25 13:12
Total Recoverable	Analysis	1638		1	8987	V1R	EET SSM	08/18/25 16:36
Dissolved	Prep	3005A			829801	BDE	EET CHI	08/13/25 08:09 - 08/13/25 14:09 [1]
Dissolved	Analysis	6020B		1	830941	RN	EET CHI	08/20/25 16:49
Total Recoverable	Prep	3005A			829801	BDE	EET CHI	08/13/25 08:09 - 08/13/25 14:09 [1]
Total Recoverable	Analysis	6020B		1	830941	RN	EET CHI	08/20/25 16:37
Total Recoverable	Prep	3005A			829801	BDE	EET CHI	08/13/25 08:09 - 08/13/25 14:09 [1]
Total Recoverable	Analysis	SM 2340B		1	830796	DAJ	EET CHI	08/21/25 10:25
Total/NA	Analysis	300.0		1	829064	MM	EET CHI	08/07/25 10:22
Total/NA	Analysis	300.0		1	829065	MM	EET CHI	08/07/25 10:22
Total/NA	Analysis	300.0		1	830591	MB	EET CHI	08/19/25 13:04
Total/NA	Prep	Distill/CN			829738	AC	EET CHI	08/12/25 14:23 - 08/12/25 14:53 [1]
Total/NA	Analysis	335.4		1	829909	AC	EET CHI	08/13/25 11:46
Total/NA	Prep	Distill/Ammonia			830666	EB	EET CHI	08/19/25 13:45 - 08/19/25 14:45 [1]
Total/NA	Analysis	350.1		1	830724	EB	EET CHI	08/19/25 17:30
Total/NA	Prep	365.2/365.3/365			829284	MF	EET CHI	08/08/25 11:35 - 08/08/25 15:35 [1]
Total/NA	Analysis	365.1		1	829787	MF	EET CHI	08/12/25 17:44
Total/NA	Analysis	SM 2320B		1	829399	AC	EET CHI	08/10/25 14:12
Total/NA	Analysis	SM 2520B		1	830141	AC	EET CHI	08/14/25 14:13
Total/NA	Analysis	SM 2540C		1	829447	CLB	EET CHI	08/11/25 03:36
Total/NA	Analysis	SM 2540D		1	829172	CLB	EET CHI	08/08/25 01:57 - 08/08/25 02:00 [1]
Total/NA	Analysis	SM 4500 S2 F		1	829498	CLB	EET CHI	08/11/25 09:52 - 08/11/25 09:56 [1]
Dissolved	Analysis	SM 5310C		1	667766	JWW	EET CLE	08/14/25 15:15
Total/NA	Analysis	SM 5310C		1	667765	JWW	EET CLE	08/14/25 13:59

Client Sample ID: MW-3B _20250805_FBLL

Lab Sample ID: 500-272717-6

Date Collected: 08/05/25 11:40

Matrix: Water

Date Received: 08/07/25 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	1631E		1	8791	CL	EET SSM	08/11/25 20:37

Lab Chronicle

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-272717-1

Client Sample ID: MW-43_20250805

Lab Sample ID: 500-272717-7

Date Collected: 08/05/25 12:30

Matrix: Water

Date Received: 08/07/25 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	1630			8862	MR	EET SSM	08/14/25 12:07
Dissolved	Analysis	1630		1	8923	COW	EET SSM	08/14/25 21:59
Total/NA	Prep	1630			8862	MR	EET SSM	08/14/25 12:07
Total/NA	Analysis	1630		1	8923	COW	EET SSM	08/14/25 22:09
Dissolved	Analysis	1631E		1	8925	AJD	EET SSM	08/14/25 17:19
Total/NA	Analysis	1631E		1	8925	AJD	EET SSM	08/14/25 17:15
Dissolved	Prep	1638			8890	V1R	EET SSM	08/15/25 13:12
Dissolved	Analysis	1638		1	8987	V1R	EET SSM	08/18/25 14:40
Total Recoverable	Prep	1638			8891	V1R	EET SSM	08/15/25 13:12
Total Recoverable	Analysis	1638		1	8987	V1R	EET SSM	08/18/25 16:47
Dissolved	Prep	3005A			829801	BDE	EET CHI	08/13/25 08:09 - 08/13/25 14:09 [1]
Dissolved	Analysis	6020B		1	830756	RN	EET CHI	08/19/25 13:16
Total Recoverable	Prep	3005A			829801	BDE	EET CHI	08/13/25 08:09 - 08/13/25 14:09 [1]
Total Recoverable	Analysis	6020B		1	830756	RN	EET CHI	08/19/25 12:51
Total Recoverable	Prep	3005A			829801	BDE	EET CHI	08/13/25 08:09 - 08/13/25 14:09 [1]
Total Recoverable	Analysis	SM 2340B		1	830796	DAJ	EET CHI	08/20/25 09:56
Total/NA	Analysis	300.0		1	829064	MM	EET CHI	08/07/25 10:38
Total/NA	Analysis	300.0		1	829065	MM	EET CHI	08/07/25 10:38
Total/NA	Prep	Distill/CN			829738	AC	EET CHI	08/12/25 14:23 - 08/12/25 14:53 [1]
Total/NA	Analysis	335.4		1	829909	AC	EET CHI	08/13/25 11:48
Total/NA	Prep	Distill/Ammonia			830666	EB	EET CHI	08/19/25 13:45 - 08/19/25 14:45 [1]
Total/NA	Analysis	350.1		1	830724	EB	EET CHI	08/19/25 17:30
Total/NA	Prep	365.2/365.3/365			829284	MF	EET CHI	08/08/25 11:35 - 08/08/25 15:35 [1]
Total/NA	Analysis	365.1		1	829787	MF	EET CHI	08/12/25 17:44
Total/NA	Analysis	SM 2320B		1	829399	AC	EET CHI	08/10/25 14:21
Total/NA	Analysis	SM 2520B		1	830141	AC	EET CHI	08/14/25 14:13
Total/NA	Analysis	SM 2540C		1	829447	CLB	EET CHI	08/11/25 03:38
Total/NA	Analysis	SM 2540D		1	829230	CLB	EET CHI	08/08/25 04:22 - 08/08/25 04:25 [1]
Total/NA	Analysis	SM 4500 S2 F		1	829498	CLB	EET CHI	08/11/25 09:56 - 08/11/25 10:00 [1]
Dissolved	Analysis	SM 5310C		1	667766	JWW	EET CLE	08/14/25 16:03
Total/NA	Analysis	SM 5310C		1	667765	JWW	EET CLE	08/14/25 15:39

Client Sample ID: MW-43_20250805_FBLL

Lab Sample ID: 500-272717-8

Date Collected: 08/05/25 12:30

Matrix: Water

Date Received: 08/07/25 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	1631E		1	8925	AJD	EET SSM	08/14/25 17:23

Lab Chronicle

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-272717-1

Client Sample ID: MW-2A_20250805

Lab Sample ID: 500-272717-9

Date Collected: 08/05/25 13:20

Matrix: Water

Date Received: 08/07/25 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	1630			8862	MR	EET SSM	08/14/25 12:07
Dissolved	Analysis	1630		1	8923	COW	EET SSM	08/14/25 22:19
Total/NA	Prep	1630			8862	MR	EET SSM	08/14/25 12:07
Total/NA	Analysis	1630		1	8923	COW	EET SSM	08/14/25 22:30
Dissolved	Analysis	1631E		1	8925	AJD	EET SSM	08/14/25 17:31
Total/NA	Analysis	1631E		1	8925	AJD	EET SSM	08/14/25 17:27
Dissolved	Prep	1638			8890	V1R	EET SSM	08/15/25 13:12
Dissolved	Analysis	1638		1	8987	V1R	EET SSM	08/18/25 14:44
Total Recoverable	Prep	1638			8891	V1R	EET SSM	08/15/25 13:12
Total Recoverable	Analysis	1638		1	8987	V1R	EET SSM	08/18/25 16:51
Dissolved	Prep	3005A			829801	BDE	EET CHI	08/13/25 08:09 - 08/13/25 14:09 [1]
Dissolved	Analysis	6020B		1	830756	RN	EET CHI	08/19/25 13:18
Total Recoverable	Prep	3005A			829801	BDE	EET CHI	08/13/25 08:09 - 08/13/25 14:09 [1]
Total Recoverable	Analysis	6020B		1	830756	RN	EET CHI	08/19/25 12:53
Total Recoverable	Prep	3005A			829801	BDE	EET CHI	08/13/25 08:09 - 08/13/25 14:09 [1]
Total Recoverable	Analysis	SM 2340B		1	830796	DAJ	EET CHI	08/20/25 09:56
Total/NA	Analysis	300.0		1	829064	MM	EET CHI	08/07/25 10:53
Total/NA	Analysis	300.0		1	829065	MM	EET CHI	08/07/25 10:53
Total/NA	Analysis	300.0		1	830591	MB	EET CHI	08/19/25 13:19
Total/NA	Prep	Distill/CN			829738	AC	EET CHI	08/12/25 14:23 - 08/12/25 14:53 [1]
Total/NA	Analysis	335.4		1	829909	AC	EET CHI	08/13/25 11:49
Total/NA	Prep	Distill/Ammonia			830666	EB	EET CHI	08/19/25 13:45 - 08/19/25 14:45 [1]
Total/NA	Analysis	350.1		1	830724	EB	EET CHI	08/19/25 17:31
Total/NA	Prep	365.2/365.3/365			829284	MF	EET CHI	08/08/25 11:35 - 08/08/25 15:35 [1]
Total/NA	Analysis	365.1		1	829787	MF	EET CHI	08/12/25 17:45
Total/NA	Analysis	SM 2320B		1	829399	AC	EET CHI	08/10/25 14:30
Total/NA	Analysis	SM 2520B		1	830141	AC	EET CHI	08/14/25 14:13
Total/NA	Analysis	SM 2540C		1	829447	CLB	EET CHI	08/11/25 03:41
Total/NA	Analysis	SM 2540D		1	829230	CLB	EET CHI	08/08/25 04:27 - 08/08/25 04:30 [1]
Total/NA	Analysis	SM 4500 S2 F		1	829498	CLB	EET CHI	08/11/25 10:00 - 08/11/25 10:04 [1]
Dissolved	Analysis	SM 5310C		1	667961	JWW	EET CLE	08/14/25 22:36
Total/NA	Analysis	SM 5310C		1	667765	JWW	EET CLE	08/14/25 16:51

Client Sample ID: MW-2A_20250805_FBLL

Lab Sample ID: 500-272717-10

Date Collected: 08/05/25 13:20

Matrix: Water

Date Received: 08/07/25 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	1631E		1	8925	AJD	EET SSM	08/14/25 17:35

Lab Chronicle

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-272717-1

Client Sample ID: MW-44_20250805

Date Collected: 08/05/25 14:00
Date Received: 08/07/25 09:15

Lab Sample ID: 500-272717-11

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	1630			8862	MR	EET SSM	08/14/25 12:07
Dissolved	Analysis	1630		1	8923	COW	EET SSM	08/14/25 22:40
Total/NA	Prep	1630			8862	MR	EET SSM	08/14/25 12:07
Total/NA	Analysis	1630		1	8923	COW	EET SSM	08/14/25 22:50
Dissolved	Analysis	1631E		1	8925	AJD	EET SSM	08/14/25 17:44
Total/NA	Analysis	1631E		1	8925	AJD	EET SSM	08/14/25 17:39
Dissolved	Prep	1638			8890	V1R	EET SSM	08/15/25 13:12
Dissolved	Analysis	1638		1	8987	V1R	EET SSM	08/18/25 14:48
Total Recoverable	Prep	1638			8891	V1R	EET SSM	08/15/25 13:12
Total Recoverable	Analysis	1638		1	8987	V1R	EET SSM	08/18/25 16:55
Dissolved	Prep	3005A			829801	BDE	EET CHI	08/13/25 08:09 - 08/13/25 14:09 [1]
Dissolved	Analysis	6020B		1	830756	RN	EET CHI	08/19/25 13:20
Total Recoverable	Prep	3005A			829801	BDE	EET CHI	08/13/25 08:09 - 08/13/25 14:09 [1]
Total Recoverable	Analysis	6020B		1	830756	RN	EET CHI	08/19/25 12:55
Total Recoverable	Prep	3005A			829801	BDE	EET CHI	08/13/25 08:09 - 08/13/25 14:09 [1]
Total Recoverable	Analysis	SM 2340B		1	830796	DAJ	EET CHI	08/20/25 09:56
Total/NA	Analysis	300.0		1	829064	MM	EET CHI	08/07/25 11:09
Total/NA	Analysis	300.0		1	829065	MM	EET CHI	08/07/25 11:09
Total/NA	Analysis	300.0		1	830591	MB	EET CHI	08/19/25 13:34
Total/NA	Prep	Distill/CN			829738	AC	EET CHI	08/12/25 14:23 - 08/12/25 14:53 [1]
Total/NA	Analysis	335.4		1	829909	AC	EET CHI	08/13/25 11:49
Total/NA	Prep	Distill/Ammonia			830666	EB	EET CHI	08/19/25 13:45 - 08/19/25 14:45 [1]
Total/NA	Analysis	350.1		1	830724	EB	EET CHI	08/19/25 17:31
Total/NA	Prep	365.2/365.3/365			829284	MF	EET CHI	08/08/25 11:35 - 08/08/25 15:35 [1]
Total/NA	Analysis	365.1		1	829787	MF	EET CHI	08/12/25 17:45
Total/NA	Analysis	SM 2320B		1	829733	AC	EET CHI	08/12/25 10:15
Total/NA	Analysis	SM 2520B		1	830141	AC	EET CHI	08/14/25 14:13
Total/NA	Analysis	SM 2540C		1	829447	CLB	EET CHI	08/11/25 03:43
Total/NA	Analysis	SM 2540D		1	829230	CLB	EET CHI	08/08/25 04:30 - 08/08/25 04:32 [1]
Total/NA	Analysis	SM 4500 S2 F		1	829498	CLB	EET CHI	08/11/25 10:04 - 08/11/25 10:08 [1]
Dissolved	Analysis	SM 5310C		1	667961	JWW	EET CLE	08/14/25 23:24
Total/NA	Analysis	SM 5310C		1	667960	JWW	EET CLE	08/14/25 23:00

Client Sample ID: MW-44_20250805_FBLL

Date Collected: 08/05/25 14:00
Date Received: 08/07/25 09:15

Lab Sample ID: 500-272717-12

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	1631E		1	8925	AJD	EET SSM	08/14/25 17:48

Lab Chronicle

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-272717-1

Client Sample ID: CBR-01_20250805

Lab Sample ID: 500-272717-13

Date Collected: 08/05/25 15:15

Matrix: Water

Date Received: 08/07/25 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	1630			8862	MR	EET SSM	08/14/25 12:07
Dissolved	Analysis	1630		1	8923	COW	EET SSM	08/14/25 23:00
Total/NA	Prep	1630			8862	MR	EET SSM	08/14/25 12:07
Total/NA	Analysis	1630		1	8923	COW	EET SSM	08/14/25 23:11
Dissolved	Analysis	1631E		1	8961	AJD	EET SSM	08/18/25 18:08
Total/NA	Analysis	1631E		1	8961	AJD	EET SSM	08/18/25 18:04
Dissolved	Prep	1638			8890	V1R	EET SSM	08/15/25 13:12
Dissolved	Analysis	1638		1	8987	V1R	EET SSM	08/18/25 14:51
Total Recoverable	Prep	1638			8891	V1R	EET SSM	08/15/25 13:12
Total Recoverable	Analysis	1638		1	8987	V1R	EET SSM	08/18/25 16:58
Dissolved	Prep	3005A			829801	BDE	EET CHI	08/13/25 08:09 - 08/13/25 14:09 [1]
Dissolved	Analysis	6020B		1	830756	RN	EET CHI	08/19/25 13:23
Total Recoverable	Prep	3005A			829801	BDE	EET CHI	08/13/25 08:09 - 08/13/25 14:09 [1]
Total Recoverable	Analysis	6020B		1	830756	RN	EET CHI	08/19/25 12:58
Total Recoverable	Prep	3005A			829801	BDE	EET CHI	08/13/25 08:09 - 08/13/25 14:09 [1]
Total Recoverable	Analysis	SM 2340B		1	830796	DAJ	EET CHI	08/20/25 09:56
Total/NA	Analysis	300.0		1	829064	MM	EET CHI	08/07/25 11:24
Total/NA	Analysis	300.0		1	829065	MM	EET CHI	08/07/25 11:24
Total/NA	Prep	Distill/CN			829530	AC	EET CHI	08/11/25 14:30 - 08/11/25 15:00 [1]
Total/NA	Analysis	335.4		1	829708	AC	EET CHI	08/12/25 12:05
Total/NA	Prep	Distill/Ammonia			830666	EB	EET CHI	08/19/25 13:45 - 08/19/25 14:45 [1]
Total/NA	Analysis	350.1		1	830724	EB	EET CHI	08/19/25 17:31
Total/NA	Prep	365.2/365.3/365			829284	MF	EET CHI	08/08/25 11:35 - 08/08/25 15:35 [1]
Total/NA	Analysis	365.1		1	829787	MF	EET CHI	08/12/25 17:45
Total/NA	Analysis	SM 2320B		1	829733	AC	EET CHI	08/12/25 10:34
Total/NA	Analysis	SM 2520B		1	830141	AC	EET CHI	08/14/25 14:13
Total/NA	Analysis	SM 2540C		1	829447	CLB	EET CHI	08/11/25 03:46
Total/NA	Analysis	SM 2540D		1	829230	CLB	EET CHI	08/08/25 04:35 - 08/08/25 04:37 [1]
Total/NA	Analysis	SM 4500 S2 F		1	829498	CLB	EET CHI	08/11/25 10:08 - 08/11/25 10:12 [1]
Dissolved	Analysis	SM 5310C		1	667961	JWW	EET CLE	08/15/25 01:04
Total/NA	Analysis	SM 5310C		1	667960	JWW	EET CLE	08/15/25 00:40

Client Sample ID: CBR-01_20250805_FBLL

Lab Sample ID: 500-272717-14

Date Collected: 08/05/25 15:15

Matrix: Water

Date Received: 08/07/25 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	1631E		1	8925	AJD	EET SSM	08/14/25 17:52

Lab Chronicle

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-272717-1

Client Sample ID: MW-2B_20250805

Lab Sample ID: 500-272717-15

Date Collected: 08/05/25 15:20

Matrix: Water

Date Received: 08/07/25 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	1630			8906	MR	EET SSM	08/15/25 11:45
Dissolved	Analysis	1630		1	8959	CL	EET SSM	08/15/25 20:26
Total/NA	Prep	1630			8906	MR	EET SSM	08/15/25 11:45
Total/NA	Analysis	1630		1	8959	CL	EET SSM	08/15/25 19:05
Dissolved	Analysis	1631E		1	8961	AJD	EET SSM	08/18/25 18:16
Total/NA	Analysis	1631E		1	8961	AJD	EET SSM	08/18/25 18:12
Dissolved	Prep	1638			8890	V1R	EET SSM	08/15/25 13:12
Dissolved	Analysis	1638		1	8987	V1R	EET SSM	08/18/25 14:55
Total Recoverable	Prep	1638			8891	V1R	EET SSM	08/15/25 13:12
Total Recoverable	Analysis	1638		1	8987	V1R	EET SSM	08/18/25 17:02
Dissolved	Prep	3005A			829801	BDE	EET CHI	08/13/25 08:09 - 08/13/25 14:09 [1]
Dissolved	Analysis	6020B		1	830756	RN	EET CHI	08/19/25 13:25
Total Recoverable	Prep	3005A			829801	BDE	EET CHI	08/13/25 08:09 - 08/13/25 14:09 [1]
Total Recoverable	Analysis	6020B		1	830756	RN	EET CHI	08/19/25 13:00
Total Recoverable	Prep	3005A			829801	BDE	EET CHI	08/13/25 08:09 - 08/13/25 14:09 [1]
Total Recoverable	Analysis	SM 2340B		1	830796	DAJ	EET CHI	08/20/25 09:56
Total/NA	Analysis	300.0		1	829064	MM	EET CHI	08/07/25 11:40
Total/NA	Analysis	300.0		1	829065	MM	EET CHI	08/07/25 11:40
Total/NA	Prep	Distill/CN			829530	AC	EET CHI	08/11/25 14:30 - 08/11/25 15:00 [1]
Total/NA	Analysis	335.4		1	829708	AC	EET CHI	08/12/25 12:06
Total/NA	Prep	Distill/Ammonia			830666	EB	EET CHI	08/19/25 13:45 - 08/19/25 14:45 [1]
Total/NA	Analysis	350.1		1	830724	EB	EET CHI	08/19/25 17:33
Total/NA	Prep	365.2/365.3/365			829284	MF	EET CHI	08/08/25 11:35 - 08/08/25 15:35 [1]
Total/NA	Analysis	365.1		1	829787	MF	EET CHI	08/12/25 17:46
Total/NA	Analysis	SM 2320B		1	829733	AC	EET CHI	08/12/25 10:43
Total/NA	Analysis	SM 2520B		1	830141	AC	EET CHI	08/14/25 14:13
Total/NA	Analysis	SM 2540C		1	829447	CLB	EET CHI	08/11/25 03:49
Total/NA	Analysis	SM 2540D		1	829230	CLB	EET CHI	08/08/25 04:37 - 08/08/25 04:40 [1]
Total/NA	Analysis	SM 4500 S2 F		1	829498	CLB	EET CHI	08/11/25 10:12 - 08/11/25 10:16 [1]
Dissolved	Analysis	SM 5310C		1	667961	JWW	EET CLE	08/15/25 01:51
Total/NA	Analysis	SM 5310C		1	667960	JWW	EET CLE	08/15/25 01:27

Client Sample ID: MW-2B_20250805_FBLL

Lab Sample ID: 500-272717-16

Date Collected: 08/05/25 15:20

Matrix: Water

Date Received: 08/07/25 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	1631E		1	8961	AJD	EET SSM	08/18/25 18:29

Lab Chronicle

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-272717-1

Client Sample ID: DUP-01_GW-20250805

Lab Sample ID: 500-272717-17

Date Collected: 08/05/25 00:00

Matrix: Water

Date Received: 08/07/25 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	1630			8906	MR	EET SSM	08/15/25 11:45
Dissolved	Analysis	1630		1	8959	CL	EET SSM	08/15/25 20:47
Total/NA	Prep	1630			8906	MR	EET SSM	08/15/25 11:45
Total/NA	Analysis	1630		1	8959	CL	EET SSM	08/15/25 20:37
Dissolved	Analysis	1631E		1	8961	AJD	EET SSM	08/18/25 18:37
Total/NA	Analysis	1631E		1	8961	AJD	EET SSM	08/18/25 18:33
Dissolved	Prep	1638			8890	V1R	EET SSM	08/15/25 13:12
Dissolved	Analysis	1638		1	8987	V1R	EET SSM	08/18/25 14:59
Total Recoverable	Prep	1638			8891	V1R	EET SSM	08/15/25 13:12
Total Recoverable	Analysis	1638		1	8987	V1R	EET SSM	08/18/25 17:06
Dissolved	Prep	3005A			829801	BDE	EET CHI	08/13/25 08:09 - 08/13/25 14:09 [1]
Dissolved	Analysis	6020B		1	830756	RN	EET CHI	08/19/25 13:27
Total Recoverable	Prep	3005A			829801	BDE	EET CHI	08/13/25 08:09 - 08/13/25 14:09 [1]
Total Recoverable	Analysis	6020B		1	830756	RN	EET CHI	08/19/25 13:02
Total Recoverable	Prep	3005A			829801	BDE	EET CHI	08/13/25 08:09 - 08/13/25 14:09 [1]
Total Recoverable	Analysis	SM 2340B		1	830796	DAJ	EET CHI	08/20/25 09:56
Total/NA	Analysis	300.0		1	829064	MM	EET CHI	08/07/25 11:56
Total/NA	Analysis	300.0		1	829065	MM	EET CHI	08/07/25 11:56
Total/NA	Analysis	300.0		1	830591	MB	EET CHI	08/19/25 13:49
Total/NA	Prep	Distill/CN			829530	AC	EET CHI	08/11/25 14:30 - 08/11/25 15:00 [1]
Total/NA	Analysis	335.4		1	829708	AC	EET CHI	08/12/25 12:07
Total/NA	Prep	Distill/Ammonia			830666	EB	EET CHI	08/19/25 13:45 - 08/19/25 14:45 [1]
Total/NA	Analysis	350.1		1	830724	EB	EET CHI	08/19/25 17:33
Total/NA	Prep	365.2/365.3/365			829284	MF	EET CHI	08/08/25 11:35 - 08/08/25 15:35 [1]
Total/NA	Analysis	365.1		1	829787	MF	EET CHI	08/12/25 17:47
Total/NA	Analysis	SM 2320B		1	829399	AC	EET CHI	08/10/25 14:43
Total/NA	Analysis	SM 2520B		1	829551	AC	EET CHI	08/11/25 16:26
Total/NA	Analysis	SM 2540C		1	829447	CLB	EET CHI	08/11/25 03:51
Total/NA	Analysis	SM 2540D		1	829230	CLB	EET CHI	08/08/25 04:42 - 08/08/25 04:45 [1]
Total/NA	Analysis	SM 4500 S2 F		1	829498	CLB	EET CHI	08/11/25 10:16 - 08/11/25 10:20 [1]
Dissolved	Analysis	SM 5310C		1	667961	JWW	EET CLE	08/15/25 04:15
Total/NA	Analysis	SM 5310C		1	667960	JWW	EET CLE	08/15/25 02:15

Client Sample ID: DUP-01_GW-20250805_FBLL

Lab Sample ID: 500-272717-18

Date Collected: 08/05/25 00:00

Matrix: Water

Date Received: 08/07/25 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	1631E		1	8961	AJD	EET SSM	08/18/25 18:41

[1] This procedure uses a method stipulated length of time for the process. Both start and end times are displayed.

Lab Chronicle

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-272717-1

Laboratory References:

EET CHI = Eurofins Chicago, 18410 Crossing Drive, Suite E, Tinley Park, IL 60487, TEL (708)534-5200

EET CLE = Eurofins Cleveland, 180 S. Van Buren Avenue, Barberton, OH 44203, TEL (330)497-9396

EET SSM = Eurofins Seattle Specialty Metals, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

Accreditation/Certification Summary

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-272717-1

Laboratory: Eurofins Chicago

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Georgia	State	N/A	05-31-26
Georgia (DW)	State	939	05-31-26
Illinois	NELAP	100201	05-31-26
Indiana	State	C-IL-02	05-31-26
Iowa	State	082	05-01-26
Kansas	NELAP	E-10161	10-31-25
Kentucky (UST)	State	AI # 108083	05-31-26
Kentucky (WW)	State	KY90023	12-31-25
Louisiana (All)	NELAP	02046	06-30-26
Mississippi	State	NA	05-31-26
North Carolina (WW/SW)	State	291	12-31-25
North Dakota	State	R-194	04-29-24 *
Oklahoma	State	8908	08-31-25
South Carolina	State	77001003	05-31-25 *
USDA	US Federal Programs	P330-18-00018	03-30-26
Wisconsin	State	399172840	08-31-25
Wyoming	State	8TMS-Q	05-31-26

Laboratory: Eurofins Cleveland

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Connecticut	State	PH-0806	12-31-26
Georgia	State	4062	02-27-26
Illinois	NELAP	200004	08-31-26
Iowa	State	421	06-01-27
Kansas	NELAP	E-10336	01-31-26
Kentucky (UST)	State	112225	02-28-26
Kentucky (WW)	State	KY98016	12-31-25
Minnesota	NELAP	039-999-348	12-31-25
New Hampshire	NELAP	225024	09-30-25
New Jersey	NELAP	OH001	06-30-26
New York	NELAP	10975	04-01-26
North Dakota	State	R-244	02-27-26
Ohio	State	8303	11-04-25
Ohio VAP	State	ORELAP 4062	02-28-26
Oregon	NELAP	4062	02-27-26
Pennsylvania	NELAP	68-00340	08-31-26
Texas	NELAP	T104704517-22-19	08-31-25
US Fish & Wildlife	US Federal Programs	A26406	02-28-26
USDA	US Federal Programs	P330-18-00281	01-05-27
Virginia	NELAP	460175	09-15-25
West Virginia DEP	State	210	12-31-25
Wisconsin	State	399167560	08-31-25

Laboratory: Eurofins Seattle Specialty Metals

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	20-004	02-19-27
ANAB	Dept. of Defense ELAP	L2236	01-19-27

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Accreditation/Certification Summary

Client: White Pine Copper LLC
Project/Site: White Pines, MI

Job ID: 500-272717-1

Laboratory: Eurofins Seattle Specialty Metals (Continued)

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
ANAB	Dept. of Energy	L2236.01	01-19-27
ANAB	ISO/IEC 17025	L2236	01-19-27
California	State	2954	07-08-26
Florida	NELAP	E87575	06-30-26
Louisiana (All)	NELAP	03073	07-01-26
Maine	State	WA01273	05-02-26
New Jersey	NELAP	WA014	06-30-26
New York	NELAP	11662	04-01-26
Oregon	NELAP	4167-008	07-08-26
US Fish & Wildlife	US Federal Programs	A20571	06-30-26
USDA	US Federal Programs	525-23-4-22573	01-24-28
Washington	State	C788-23a	07-13-26
Wisconsin	State	399133460	08-31-26

Eurofins Chicago
18410 Crossing Drive, Suite E
Tinley Park, IL 60487
Phone (708) 534-5200 Phone (262) 202-5955

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: ELLEN COPPERNOLL	Lab PM: Fredrick, Sandie	Carrier Tracking No(s): 463651339402	COC No: 500-138261-50241.15
Client Contact: Amanda Zeidler	Phone: 517-513-2249	E-Mail: Sandra.Fredrick@et.eurofinsus.com	State of Origin: Michigan	Page: Page 1 of 1
Company: White Pine Copper LLC	PWSID:			Job #: 500-272717
Address: 35362 Mall Circle Drive	Due Date Requested:			
City: White Pine	TAT Requested (days): 10 days			
State, Zip: MI, 49971	Compliance Project: Δ Yes Δ No			
Phone: 906-204-6500	PO #: Purchase Order not required			
Email: AZeidler@whitepinecu.com	WO #:			
Project Name: White Pines, MI	Project #: 50023455			
Site: White Pine North Baseline Sampling	SSOW#:			

Analysis Requested

Preservation Codes:
S - H2SO4
N - None
CB - ZnAcetate/NaOH
B - NaOH
D - HNO3
A - HCL

500-272717 COC

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	350.1 Ammonia, 365.1 Phos	2320B, 2540C, 2540D, 300.0_28D, 300_48HR, SM2520_B	SM4500_S2_F - Sulfide, Total	335.4 - Cyanide, Total	SM5310_DOC_C - Organic Carbon, Dissolved (DOC) - tripli	6020B, SM2340B Total Metals / Hardness	1638 - Uranium only (ICP/MS)	1631E - Mercury, Low Level (CVAFS)	1630_ME - Methyl Mercury	6020B - Dissolved Metals (ICP/MS) - 27 elements	1638 - Dissolved Uranium only (ICP/MS) (field filtered)	1631E - Dissolved Mercury, Low Level (CVAFS) (filtered)	1630_ME - Dissolved Methyl Mercury (field filtered)	5310C - TOC	Total Number of containers	Special Instructions/Note:
			Preservation Code:				S	N	CB	B	S	D	D	N	A	D	D	N	A	S	
1 ARC-02_20250805	8-5-25	09:30	G	Water			X	X	X	X	X	X	X	X	X	X	X	X	X	X	22	
2 ARC-02_20250805_FBLL	8-5-25	09:30	G	Water										X							2	
				Water																		
				Water																		
				Water																		
				Water																		
				Water																		
				Water																		
				Water																		
				Water																		
				Water																		

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, [II], III, IV, Other (specify)

Special Instructions/QC Requirements: MDLs must meet Michigan requirements.

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment: FedEx Priority Overnight

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		8-5-25 14:00	MSC		8-5-25 14:00	MSC
2		8-6-25 09:00	MSC	FedEx 463651339402		
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
				Stephanie Hernandez	8/7/25 0915	EEIA

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 0.9+0.7, 4.7+4.5, 3.4+3.4, 2.0+1.8, 1.0+1.4, 1.1+1.0, 5.0+4.9, 4.4+4.1, 3.8+3.8

Eurofins Chicago
18410 Crossing Drive, Suite E
Tinley Park, IL 60487
Phone (708) 534-5200 Phone (262) 202-5955

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: ELLEN COPPERNOLL	Lab PM: Fredrick, Sandie	Carrier Tracking No(s): 463651339457	COC No: 500-138261-50241.8
Client Contact: Amanda Zeidler	Phone: 517-513-2249	E-Mail: Sandra.Fredrick@et.eurofinsus.com	State of Origin: Michigan	Page: Page 1 of 1
Company: White Pine Copper LLC	PWSID:			Job #: 500-272717
Address: 35362 Mall Circle Drive	Due Date Requested:			
City: White Pine	TAT Requested (days): 10 days			
State, Zip: MI, 49971	Compliance Project: Δ Yes Δ No			
Phone: 906-204-6500	PO #: Purchase Order not required			
Email: AZeidler@whitepinecu.com	WO #:			
Project Name: White Pines, MI	Project #: 50023455			
Site: White Pine North Baseline Sampling	SSOW#:			

Analysis Requested

Preservation Codes:
S - H2SO4
N - None
CB - ZnAcetate/NaOH
B - NaOH
D - HNO3
A - HCL

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	350.1 Ammonia, 365.1 Phos	2320B, 2540C, 2540D, 300.0_28D, 300_45HR, SM2520_B	SM4500_S2_F - Sulfide, Total	335.4 - Cyanide, Total	SM5310_DOC_C - Organic Carbon, Dissolved (DOC) - tripl	6020B, SM2340B Total Metals / Hardness	1638 - Uranium only (ICP/MS)	1631E - Mercury, Low Level (CVAFS)	1630_ME - Methyl Mercury	6020B - Dissolved Metals (ICP/MS) - 22 elements	1638 - Dissolved Uranium only (ICP/MS) (field filtered)	1631E - Dissolved Mercury, Low Level(CVAFS) (filtered)	1630_ME - Dissolved Methyl Mercury (field filtered)	5310C - TOC	Total Number of containers	Special Instructions/Note:
			Preservation Code:				S	N	CB	B	S	D	D	N	A	D	D	N	A	S		
3 MW-435B_20250805	8-5-25	11:15	G	Water			X	X	X	X	X	X	X	X	X	X	X	X	X	X	22	
4 MW-435B_20250805_FBLL	8-5-25	11:15	G	Water										X							2	
				Water																		
				Water																		
				Water																		
				Water																		
				Water																		
				Water																		
				Water																		
				Water																		
				Water																		

Possible Hazard Identification
[X] Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client [X] Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, [II], III, IV, Other (specify)

Special Instructions/QC Requirements: MDLs must meet Michigan requirements.

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment: FedEx Priority Overnight

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		8-5-25 14:00	MSG		8-5-25 14:00	MSG
2	Relinquished by:	Date/Time: 8-6-25 09:00	Company MSG	Received by: FedEx 463651339457	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by: Stephanie Hernandez	Date/Time: 8/7/25 1915	Company EETA

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks:

Eurofins Chicago
18410 Crossing Drive, Suite E
Tinley Park, IL 60487
Phone (708) 534-5200 Phone (262) 202-5955

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Jacob Dean	Lab PM: Fredrick, Sandie	Carrier Tracking No(s): 463651339435	COC No: 500-138261-50241.9
Client Contact: Amanda Zeidler	Phone: 906-487-7454	E-Mail: Sandra.Fredrick@et.eurofinsus.com	State of Origin: Michigan	Page: Page 1 of 1
Company: White Pine Copper LLC	PWSID:			Job #: 500-272717
Address: 35362 Mall Circle Drive	Due Date Requested:			
City: White Pine	TAT Requested (days): 10 days			
State, Zip: MI, 49971	Compliance Project: Δ Yes Δ No			
Phone: 906-204-6500	PO #: Purchase Order not required			
Email: AZeidler@whitepinecu.com	WO #:			
Project Name: White Pines, MI	Project #: 50023455			
Site: White Pine North Baseline Sampling	SSOW#:			

Analysis Requested

Preservation Codes:
S - H2SO4
N - None
CB - ZnAcetate/NaOH
B - NaOH
D - HNO3
A - HCL

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	350.1 Ammonia, 365.1 Phos	2320B, 2540C, 2540D, 300.0_28D, 300_48HR, SM2520_B	SM4500_S2_F - Sulfide, Total	335.4 - Cyanide, Total	SM5310_DOC_C - Organic Carbon, Dissolved (DOC) - triplI	6020B, SM2340B Total Metals / Hardness	1638 - Uranium only (ICP/MS)	1631E - Mercury, Low Level (CVAFS)	1630_ME - Methyl Mercury	6020B - Dissolved Metals (ICP/MS) - 27 elements	1638 - Dissolved Uranium only (ICP/MS) (field filtered)	1631E - Dissolved Mercury, Low Level (CVAFS) (filtered)	1630_ME - Dissolved Methyl Mercury (field filtered)	5310C - TOC	Total Number of containers	Special Instructions/Note:
			Preservation Code:				S	N	CB	B	S	D	D	N	A	D	D	N	A	S		
MW-3B_20250805	8-5-25	1140	6	Water	Y	N	X	X	X	X	X	X	X	X	X	X	X	X	X	X	22	
MW-3B_20250805_FBLL	8-5-25	1140	6	Water	N	N								X							2	
~~MW-2B_20250805~~	~~8-5-25~~	~~1520~~	~~6~~	Water	Y	N	X	X	X	X	X	X	X	X	X	X	X	X	X	X	22	
~~MW-2B_20250805_FBLL~~	~~8-5-25~~	~~1520~~	~~6~~	Water	N	N								X							2	
				Water																		
				Water																		
				Water																		
				Water																		
				Water																		
				Water																		
				Water																		

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, [II], III, IV, Other (specify)

Special Instructions/QC Requirements: MDLs must meet Michigan requirements.

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment: FedEx Priority Overnight

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Jacob Dean	8-5-25 16:30	MSG		8-5-25 16:30	MSG
2		8-6-25 09:00	MSG	FedEx 463651339435		
3				Stephanie Hernandez	8/7/25 0915	EETA

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks:

Eurofins Chicago
18410 Crossing Drive, Suite E
Tinley Park, IL 60487
Phone (708) 534-5200 Phone (262) 202-5955

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Ellen Copperwell	Lab PM: Fredrick, Sandie	Carrier Tracking No(s): 463651339479	COC No: 500-138261-50241.6
Client Contact: Amanda Zeidler	Phone: 517-513-2249	E-Mail: Sandra.Fredrick@et.eurofinsus.com	State of Origin: Michigan	Page: Page 1 of 1
Company: White Pine Copper LLC	PWSID:			Job #: 500-272717
Address: 35362 Mall Circle Drive	Due Date Requested:			
City: White Pine	TAT Requested (days): 10 days			
State, Zip: MI, 49971	Compliance Project: Δ Yes Δ No			
Phone: 906-204-6500	PO #: Purchase Order not required			
Email: AZeidler@whitepinecu.com	WO #:			
Project Name: White Pines, MI	Project #: 50023455			
Site: White Pine North Baseline Sampling	SSOW#:			

Analysis Requested

Preservation Codes:
S - H2SO4
N - None
CB - ZnAcetate/NaOH
B - NaOH
D - HNO3
A - HCL

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	350.1 Ammonia, 365.1 Phos	2320B, 2540C, 2540D, 300.0_28D, 300_48HR, SM2520_B	SM4500_S2_F - Sulfide, Total	335.4 - Cyanide, Total	SM5310_DOC_C - Organic Carbon, Dissolved (DOC) - tripli	6020B, SM2340B Total Metals / Hardness	1638 - Uranium only (ICP/MS)	1631E - Mercury, Low Level (CVAFS)	1630_ME - Methyl Mercury	6020B - Dissolved Metals (ICP/MS) - 27 elements	1638 - Dissolved Uranium only (ICP/MS) (field filtered)	1631E - Dissolved Mercury, Low Level (CVAFS) (filtered)	1630_ME - Dissolved Methyl Mercury (field filtered)	5310C - TOC	Total Number of containers	Special Instructions/Note:
			Preservation Code:				S	N	CB	B	S	D	D	N	A	D	D	N	A	S		
7 MW-43_20250805	8-5-25	12:30	G	Water			X	X	X	X	X	X	X	X	X	X	X	X	X	X	22	
8 MW-43_20250805_FBLL	8-5-25	12:30	G	Water										X							2	
				Water																		
				Water																		
				Water																		
				Water																		
				Water																		
				Water																		
				Water																		
				Water																		
				Water																		

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, ☒ II, III, IV, Other (specify)

Special Instructions/QC Requirements: MDLs must meet Michigan requirements.

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment: FedEx Priority Overnight

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	[signature]	8-5-25 14:00	MSG	[signature]	8-5-25 14:00	MSG
2	[signature]	8-6-25 09:00	MSG	FedEx 463651339479		
3				Stephanie Hernandez	811125 0915	EETA

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks:

Eurofins Chicago
18410 Crossing Drive, Suite E
Tinley Park, IL 60487
Phone (708) 534-5200 Phone (262) 202-5955

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Jacob Dean	Lab PM: Fredrick, Sandie	Carrier Tracking No(s): 463651339424	COC No: 500-138261-50241.13
Client Contact: Amanda Zeidler	Phone: 906-487-7454	E-Mail: Sandra.Fredrick@et.eurofinsus.com	State of Origin: Michigan	Page: Page 1 of 1
Company: White Pine Copper LLC	PWSID:			Job #: 500-272717
Address: 35362 Mall Circle Drive	Due Date Requested:			
City: White Pine	TAT Requested (days): 10 days			
State, Zip: MI, 49971	Compliance Project: Δ Yes Δ No			
Phone: 906-204-6500	PO #: Purchase Order not required			
Email: AZeidler@whitepinecu.com	WO #:			
Project Name: White Pines, MI	Project #: 50023455			
Site: White Pine North Baseline Sampling	SSOW#:			

Analysis Requested

Preservation Codes:
S - H2SO4
N - None
CB - ZnAcetate/NaOH
B - NaOH
O - HNO3
A - HCL

Other:

	Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	350.1 Ammonia, 365.1 Phos	2320B, 2540C, 2540D, 300.0_28D, 300_48HR, SM2520_B	SM4500_S2_F - Sulfide, Total	335.4 - Cyanide, Total	SM5310_DOC_C - Organic Carbon, Dissolved (DOC) - tripl	6020B, SM2340B Total Metals / Hardness	1638 - Uranium only (ICP/MS)	1631E - Mercury, Low Level (CVAFS)	1630_ME - Methyl Mercury	6020B - Dissolved Metals (ICP/MS) - 27 elements	1638 - Dissolved Uranium only (ICP/MS) (field filtered)	1631E - Dissolved Mercury, Low Level(CVAFS) (filtered)	1630_ME - Dissolved Methyl Mercury (field filtered)	5310C - TOC	Total Number of containers	Special Instructions/Note:
				Preservation Code:				S	N	CB	B	S	D	D	N	A	D	D	N	A	S		
9	MW-2A_20250805	8-5-25	1320	G	Water	Y	N	X	X	X	X	X	X	X	X	X	X	X	X	X	X	22	
10	MW-2A_20250805_FB	8-5-25	1320	G	Water	N	N								X							2	
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, ☒ II, III, IV, Other (specify)

Special Instructions/QC Requirements: MDLs must meet Michigan requirements.

Empty Kit Relinquished by: | Date: | Time: | Method of Shipment: FedEx Priority Overnight

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1	Jacob Dean	8-5-25 16:30	MSG		8-5-25 16:30	MSG
2		8-6-25 09:00	MSG	FedEx 463651339424		
3				Stephanie Hernandez	8/7/25 0915	EETA

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

Eurofins Chicago
18410 Crossing Drive, Suite E
Tinley Park, IL 60487
Phone (708) 534-5200 Phone (262) 202-5955

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: EILEEN COPPERNOLL	Lab PM: Fredrick, Sandie	Carrier Tracking No(s): 463651339468	COC No: 500-138261-50241.7
Client Contact: Amanda Zeidler	Phone: 517-513-2249	E-Mail: Sandra.Fredrick@et.eurofinsus.com	State of Origin: Michigan	Page: Page 1 of 1
Company: White Pine Copper LLC	PWSID:			Job #: 500-172717
Address: 35362 Mall Circle Drive	Due Date Requested:			
City: White Pine	TAT Requested (days): 10 days			
State, Zip: MI, 49971	Compliance Project: Δ Yes Δ No			
Phone: 906-204-6500	PO #: Purchase Order not required			
Email: AZeidler@whitepinecu.com	WO #:			
Project Name: White Pines, MI	Project #: 50023455			
Site: White Pine North Baseline Sampling	SSOW#:			

Analysis Requested

Preservation Codes:
S - H2SO4
N - None
CB - ZnAcetate/NaOH
B - NaOH
D - HNO3
A - HCL

Other:

	Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	350.1 Ammonia, 365.1 Phos	2320B, 2540C, 2540D, 300.0_28D, 300_48HR, SM2520_B	SM4500_S2_F - Sulfide, Total	335.4 - Cyanide, Total	SM5310_DOC_C - Organic Carbon, Dissolved (DOC) - tripli	6020B, SM2340B Total Metals / Hardness	1638 - Uranium only (ICP/MS)	1631E - Mercury, Low Level (CVAFS)	1630_ME - Methyl Mercury	6020B - Dissolved Metals (ICP/MS) - 27 elements	1638 - Dissolved Uranium only (ICP/MS) (field filtered)	1631E - Dissolved Mercury, Low Level(CVAFS) (filtered)	1630_ME - Dissolved Methyl Mercury (field filtered)	5310C - TOC	Total Number of containers	Special Instructions/Note:
				Preservation Code:				S	N	CB	B	S	D	D	N	A	D	D	N	A	S		
11	MW-44_20250805	8-5-25	14:00	G	Water			X	X	X	X	X	X	X	X	X	X	X	X	X	X	22	
12	MW-44_20250805_FBLL	8-5-25	14:00	G	Water										X							2	
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, ☒ II, III, IV, Other (specify)

Special Instructions/QC Requirements: MDLs must meet Michigan requirements.

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment: FedEx Priority Overnight

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		8-5-25 14:00	MSG		8-5-25 14:00	MSG
2		8-6-25 09:00	MSG	FEDEX 463651339468		
3				Jurnamie Hernandez	8/7/25 0915	EEIA

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks:

Eurofins Chicago
18410 Crossing Drive, Suite E
Tinley Park, IL 60487
Phone (708) 534-5200 Phone (262) 202-5955

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: ELLEN COPPERNOLL	Lab PM: Fredrick, Sandie	Carrier Tracking No(s): 463651339398	COC No: 500-138261-50241.14
Client Contact: Amanda Zeidler	Phone: 517-513-2249	E-Mail: Sandra.Fredrick@et.eurofinsus.com	State of Origin: Michigan	Page: Page 1 of 1
Company: White Pine Copper LLC	PWSID:			Job #: 570-222717
Address: 35362 Mall Circle Drive	Due Date Requested:			
City: White Pine	TAT Requested (days): 10 days			
State, Zip: MI, 49971	Compliance Project: Δ Yes Δ No			
Phone: 906-204-6500	PO #: Purchase Order not required			
Email: AZeidler@whitepinecu.com	WO #:			
Project Name: White Pines, MI	Project #: 50023455			
Site: White Pine North Baseline Sampling	SSOW#:			

Analysis Requested

Preservation Codes:
S - H2SO4
N - None
CB - ZnAcetate/NaOH
B - NaOH
D - HNO3
A - HCL

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	350.1 Ammonia, 365.1 Phos	2320B, 2540C, 2540D, 300.0_28D, 300_48HR, SM2520_B	SM4500_S2_F - Sulfide, Total	335.4 - Cyanide, Total	SM5310_DOC_C - Organic Carbon, Dissolved (DOC) - tripli	6020B, SM2340B Total Metals / Hardness	1638 - Uranium only (ICP/MS)	1631E - Mercury, Low Level (CVAFS)	1630_ME - Methyl Mercury	6020B - Dissolved Metals (ICP/MS) - 27 elements	1638 - Dissolved Uranium only (ICP/MS) (field filtered)	1631E - Dissolved Mercury, Low Level (CVAFS) (filtered)	1630_ME - Dissolved Methyl Mercury (field filtered)	5310C - TOC	Total Number of containers	Special Instructions/Note:
			Preservation Code:				S	N	CB	B	S	D	D	N	A	D	D	N	A	S		
13 CBR-01_20250805	8-5-25	15:15	G	Water			X	X	X	X	X	X	X	X	X	X	X	X	X	X	2	
14 CBR-01_20250805_FBL	8-5-25	15:15	G	Water										X							2	
				Water																		
				Water																		
				Water																		
				Water																		
				Water																		
				Water																		
				Water																		
				Water																		
				Water																		

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, [II], III, IV, Other (specify)

Special Instructions/QC Requirements: MDLs must meet Michigan requirements.

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment: FedEx Priority Overnight

Relinquished by:	Date/Time: 8-5-25 17:00	Company MSG	Received by:	Date/Time: 8-5-25 17:00	Company MSG
Relinquished by:	Date/Time: 8-6-25 09:00	Company MSG	Received by: FEDEX 463651339398	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by: Stephanie Hernandez	Date/Time: 8/7/25 0915	Company EEIA

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

Eurofins Chicago
18410 Crossing Drive, Suite E
Tinley Park, IL 60487
Phone (708) 534-5200 Phone (262) 202-5955

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Jacob Dean	Lab PM: Fredrick, Sandie	Carrier Tracking No(s): 463651339446	COC No: 500-138261-50241.12
Client Contact: Amanda Zeidler	Phone: 906-487-7454	E-Mail: Sandra.Fredrick@et.eurofinsus.com	State of Origin: Michigan	Page: Page 1 of 1
Company: White Pine Copper LLC	PWSID:			Job #: 500-272717
Address: 35362 Mall Circle Drive	Due Date Requested:			
City: White Pine	TAT Requested (days): 10 days			
State, Zip: MI, 49971	Compliance Project: Δ Yes Δ No			
Phone: 906-204-6500	PO #: Purchase Order not required			
Email: AZeidler@whitepinecu.com	WO #:			
Project Name: White Pines, MI	Project #: 50023455			
Site: White Pine North Baseline Sampling	SSOW#:			

Analysis Requested

Preservation Codes:
S - H2SO4
N - None
CB - ZnAcetate/NaOH
B - NaOH
D - HNO3
A - HCL

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	350.1 Ammonia, 365.1 Phos	2320B, 2540C, 2540D, 300.0_28D, 300_48HR, SM2520_B	SM4500_S2_F - Sulfide, Total	335.4 - Cyanide, Total	SM5310_DOC_C - Organic Carbon, Dissolved (DOC) - tripli	6020B, SM2340B Total Metals / Hardness	1638 - Uranium only (ICP/MS)	1631E - Mercury, Low Level (CVAFS)	1630_ME - Methyl Mercury	6020B - Dissolved Metals (ICP/MS) - 22 elements	1638 - Dissolved Uranium only (ICP/MS) (field filtered)	1631E - Dissolved Mercury, Low Level (CVAFS) (filtered)	1630_ME - Dissolved Methyl Mercury (field filtered)	5310C - TOC	Total Number of containers	Special Instructions/Note:
			Preservation Code:				S	N	CB	B	S	D	D	N	A	D	D	N	A	S		
MW-2B_20250805	8-5-25	1520	G	Water	Y	N	X	X	X	X	X	X	X	X	X	X	X	X	X	X	22	
MW-2B_20250805_FBLL	8-5-25	1520	G	Water	Y	N								X							2	
				Water																		
				Water																		
				Water																		
				Water																		
				Water																		
				Water																		
				Water																		
				Water																		
				Water																		

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements: MDLs must meet Michigan requirements.

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment: FedEx Priority Overnight

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Jacob Dean	8-5-25 16:30	MSG		8-5-25 16:30	MSG
2		8-6-25 09:00	MSG	FedEx 463651339446		
3				Stephanie Hermanson	8/7/25 0915	EETA

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

Eurofins Chicago
18410 Crossing Drive, Suite E
Tinley Park, IL 60487
Phone (708) 534-5200 Phone (262) 202-5955

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Jacob Dean	Lab PM: Fredrick, Sandie	Carrier Tracking No(s): 463651339413	COC No: 500-138261-50241.11
Client Contact: Amanda Zeidler	Phone: 906-487-7454	E-Mail: Sandra.Fredrick@et.eurofinsus.com	State of Origin: Michigan	Page: Page 1 of 1
Company: White Pine Copper LLC	PWSID:			Job #: 500-272717
Address: 35362 Mall Circle Drive	Due Date Requested:			
City: White Pine	TAT Requested (days): 10 days			
State, Zip: MI, 49971	Compliance Project: Δ Yes Δ No			
Phone: 906-204-6500	PO #: Purchase Order not required			
Email: AZeidler@whitepinecu.com	WO #:			
Project Name: White Pines, MI	Project #: 50023455			
Site: White Pine North Baseline Sampling	SSOW#:			

Analysis Requested

Preservation Codes:
S - H2SO4
N - None
CB - ZnAcetate/NaOH
B - NaOH
D - HNO3
A - HCL

Other:

	Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	350.1 Ammonia, 365.1 Phos	2320B, 2540C, 2540D, 300.0_28D, 300_48HR, SM2520_B	SM4500_S2_F - Sulfide, Total	335.4 - Cyanide, Total	SM5310_DOC_C - Organic Carbon, Dissolved (DOC) - tripli	6020B, SM2340B Total Metals / Hardness	1638 - Uranium only (ICP/MS)	1631E - Mercury, Low Level (CVAFS)	1630_ME - Methyl Mercury	6020B - Dissolved Metals (ICP/MS) - 27 elements	1638 - Dissolved Uranium only (ICP/MS) (field filtered)	1631E - Dissolved Mercury, Low Level (CVAFS) (filtered)	1630_ME - Dissolved Methyl Mercury (field filtered)	5310C - TOC	Total Number of containers	Special Instructions/Note:
				Preservation Code:				S	N	CB	B	S	D	D	N	A	D	D	N	A	S		
17	DUP-01-GW_20250805	8-5-25	-	6	Water			X	X	X	X	X	X	X	X	X	X	X	X	X	X	22	
18	DUP-01_GW_20250805_FBLK	8-5-25	-	6	Water										X							2	
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		
					Water																		

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements: MDLs must meet Michigan requirements.

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment: FedEx Priority Overnight

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Jacob Dean	8-5-25 16:30	MSG		8-5-25 16:30	MSG
2		8-6-25 09:00	MSG	FedEx 463651339413		
3				Stephanie Hemmond	8/7/25 0916	EETA

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

JED CHRESTENSEN
THE MANNIK & SMITH GROUP
616 SHELDEN AVE
SUITE 210
HOUGHTON, MI 49931
UNITED STATES US

ACTWGT: 25.00 LB MAN
CAD: 0780307/CAFE3908

TO **SAMPLE RECEIPT**
EUROFINS
18410 CROSSING DRIVE
SUITE E
TINLEY PARK IL 60487
(708) 634-5200 REF
INV:
PO DEPT

Part # 159469-434 RRDB2 EXP 04/26

RMA

FedEx Express

FedEx
TRK# 0221 4636 5133 9398

THU - 07 AUG AA
PRIORITY OVERNIGHT

79 JOTA

60487
IL-US
ORD

JED CHRESTENSEN
THE MANNIK & SMITH GROUP
616 SHELDEN AVE
SUITE 210
HOUGHTON, MI 49931
UNITED STATES US

ACTWGT: 25.00 LB MAN
CAD: 0780307/CAFE3908

TO **SAMPLE RECEIPT**
EUROFINS
18410 CROSSING DRIVE
SUITE E
TINLEY PARK IL 60487
(708) 634-5200 REF
INV
PO DEPT

Part # 159469-434 RRDB2 EXP 04/26

500-272717 Waybi

RMA

FedEx Express

RETURNS MON-SAT

TRK# 0221 FedEx
TRK# 0221 4636 5133 9446

THU - 07 AUG AA
PRIORITY OVERNIGHT

79 JOTA

60487
IL-US
ORD


JED CHRESTENSEN
THE MANNIK & SMITH GROUP
616 SHELDEN AVE
SUITE 210
HOUGHTON, MI 49931
UNITED STATES US
ACTWGT: 25.00 LB MAN
CAD 0780307/CAFE3908
TO SAMPLE RECEIPT
EUROFINS
18410 CROSSING DRIVE
SUITE E
TINLEY PARK IL 60487
(708) 534-5200
REF
INV:
PO
DEPT
RMA
Part # 159469-434 RRDB2 EXP 04/26
FedEx Express
FedEx
TRK# 0221 4636 5133 9424
THU - 07 AUG AA
PRIORITY OVERNIGHT
79 JOTA
60487
IL-US
ORD


JED CHRESTENSEN
THE MANNIK & SMITH GROUP
616 SHELDEN AVE
SUITE 210
HOUGHTON, MI 49931
UNITED STATES US
ACTWGT: 25.00 LB MAN
CAD 0780307/CAFE3908
TO SAMPLE RECEIPT
EUROFINS
18410 CROSSING DRIVE
SUITE E
TINLEY PARK IL 60487
(708) 534-5200
REF
INV
PO
DEPT
RMA
Part # 159469-434 RRDB2 EXP 04/26
FedEx Express
FedEx
TRK# 0221 4636 5133 9468
RETURNS MON - SAT
THU - 07 AUG AA
PRIORITY OVERNIGHT
79 JOTA
60487
IL-US
ORD
5878720 06Aug2025 CNXA 581G2/E4ED/5FE5


JED CHRESTENSEN
THE MANNIK & SMITH GROUP
616 SHELDEN AVE
SUITE 210
HOUGHTON, MI 49931
UNITED STATES US
ACTWGT 25.00 LB MAN
CAD 0780307/CAFE 3908
TO SAMPLE RECEIPT
EUROFINS
18410 CROSSING DRIVE
SUITE E
TINLEY PARK IL 60487
(708) 534-5200
REF
INV
PO
DEPT
RMA
Part # 159469-434 RRDB2 EXP 04/26
FedEx Express
TRK# 0221 4636 5133 9435
THU - 07 AUG AA
PRIORITY OVERNIGHT
79 JOTA
60487
IL-US
ORD
5878720 06Aug2025 CMXA 581G2/E4ED/5FE5


THE MANNIK & SMITH GROUP
616 SHELDEN AVE
SUITE 210
HOUGHTON, MI 49931
UNITED STATES US
TO SAMPLE RECEIPT
EUROFINS
18410 CROSSING DRIVE
SUITE E
TINLEY PARK IL 60487
(708) 534-5200
REF
INV
PO
DEPT
RMA
159469-434 RRDB2 EXP 04/26
FedEx Express
TRK# 0221 4636 5133 9479
THU - 07 AUG AA
PRIORITY OVERNIGHT
79 JOTA
60487
IL-US
ORD
5878720 06Aug2025 CMXA 581G2/E4ED/5FE5

JED CHRESTENSEN
THE MANNIK & SMITH GROUP
616 SHELDEN AVE
SUITE 210
HOUGHTON, MI 49931
UNITED STATES US

ACTWGT: 25.00 LB
CAD: 0780307/CAFE3908

TO **SAMPLE RECEIPT**
EUROFINS
18410 CROSSING DRIVE
SUITE E
TINLEY PARK IL 60487

(708) 534-5200 REF
INV:
PO: DEPT

RMA.

Part # 159469-434 RRDB2 EXP 04/26

FedEx Express

FedEx
TRK# 0221 4636 5133 9402

RETURNS MON-SAT
THU - 07 AUG AA
PRIORITY OVERNIGHT

79 JOTA

60487
IL-US
ORD

JED CHRESTENSEN
THE MANNIK & SMITH GROUP
616 SHELDEN AVE
SUITE 210
HOUGHTON, MI 49931
UNITED STATES US

ACTWGT: 25.00 LB MAN
CAD: 0780307/CAFE3908

TO **SAMPLE RECEIPT**
EUROFINS
18410 CROSSING DRIVE
SUITE E
TINLEY PARK IL 60487

(708) 534-5200 REF
INV:
PO: DEPT

RMA.

Part # 159469-434 RRDB2 EXP 04/26

FedEx Express

FedEx
TRK# 0221 4636 5133 9457

RETURNS MON-SAT
THU - 07 AUG AA
PRIORITY OVERNIGHT

79 JOTA

60487
IL-US
ORD


JED CHRESTENSEN
THE MANNIK & SMITH GROUP
616 SHELDEN AVE
SUITE 210
HOUGHTON, MI 49931
UNITED STATES US
CAD
Part # 159439-434 RRDB2 EXP 04/29
TO SAMPLE RECEIPT
EUROFINS
18410 CROSSING DRIVE
SUITE E
TINLEY PARK IL 60487
(708) 534-5200
REF
INV.
PO
DEPT
RMA
FedEx
Expre
FedEx
TRK#
0221 4636 5133 9413
THU - 07 AUG AA
PRIORITY OVERNIGHT
79 JOTA
60487
IL-US
ORD
5025547 06Aug2025 CNXA

Eurofins Chicago
18410 Crossing Drive Suite E
Tinley Park, IL 60487
Phone: 708-534-5200 Fax: 708-534-5211

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Fredrick, Sandie	Carrier Tracking No(s): N/A	COC No: 500-210219.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Sandra.Fredrick@et.eurofinsus.com	State of Origin: Michigan	Page: Page 1 of 1
Company: Eurofins Environment Testing North Centr		Accreditations Required (See note): N/A		Job #: 500-272717 1
Address: 180 S. Van Buren Avenue,	Due Date Requested: 8/20/2025			
City: Barberton	TAT Requested (days): N/A			
State, Zip: OH 44203				
Phone: 330-497-9396(Tel) 330-497-0772(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: White Pines, MI	Project #: 50023455			
Site: N/A	SSOW#: N/A			

Analysis Requested

Preservation Codes.

Other: N/A

R1

Sample Identification Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	SM6310_DOC_C/FIELD_FLTRDDOC	5310CTOC	Total Number of containers	Special Instructions/Note:
			Preservation Code:							
ARC-02_20250805 (500-272717 1)	8/5/25	09:30 Eastern	G	Water			X	X	6	
MW-43SB_20250805 (500-272717-3)	8/5/25	11 15 Eastern	G	Water			X	X	6	
MW-3B_20250805 (500-272717-5)	8/5/25	11:40 Eastern	G	Water			X	X	6	
MW-43_20250805 (500-272717 7)	8/5/25	12:30 Eastern	G	Water			X	X	6	
MW-2A_20250805 (500-272717-9)	8/5/25	13:20 Eastern	G	Water			X	X	6	
MW-44_20250805 (500-272717-11)	8/5/25	14:00 Eastern	G	Water			X	X	6	
CBR-01_20250805 (500-272717 13)	8/5/25	15:15 Eastern	G	Water			X	X	6	
MW-2B_20250805 (500-272717 15)	8/5/25	15:20 Eastern	G	Water			X	X	6	
DUP-01_GW-20250805 (500-272717 17)	8/5/25	Eastern	G	Water			X	X	6	

Note: Since laboratory accreditations are subject to change, Eurofins Chicago places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Chicago laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Chicago attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Chicago.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested. I II III, IV Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Shri Loots	8/12/25 1340		JMOROSKO	8/13/25 1015	Eu
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks.

Ver: 10/10/2024

Eurofins – Cleveland Sample Receipt Form/Narrative Login # _____
Barberton Facility

Client Eur Chicago Site Name _____ Cooler unpacked by Martin

Cooler Received on 8/13/25 Opened on 8/13/25

FedEx: 1st Grd Exp UPS FAS Waypoint Client Drop Off Eurofins Courier Other _____

Receipt After-hours Drop-off Date/Time _____ Storage Location _____

Eurofins Cooler # EC Foam Box Client Cooler Box Other _____

Packing material used. Bubble Wrap Foam Plastic Bag None Other _____

COOLANT Wet Ice Blue Ice Dry Ice Water None

1 Cooler temperature upon receipt [X] See Multiple Cooler Form

IR GUN # 17 (CF +0.2 °C) Observed Cooler Temp _____ °C Corrected Cooler Temp _____ °C

2. Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity 1	Yes	No
-Were the seals on the outside of the cooler(s) signed & dated?	Yes	No NA
-Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)?	Yes	No
Were tamper/custody seals intact and uncompromised?	Yes	No NA
3 Shippers packing slip attached to the cooler(s)?	Yes	No
4 Did custody papers accompany the sample(s)?	Yes	No
5 Were the custody papers relinquished & signed in the appropriate place?	Yes	No
6 Was/were the person(s) who collected the samples clearly identified on the COC?	Yes	No
7 Did all bottles arrive in good condition (Unbroken)?	Yes	No
8 Could all bottle labels (ID/Date/Time) be reconciled with the COC?	Yes	No
9 For each sample, does the COC specify preservatives (Y/N), # of containers (Y/N), and sample type of grab/comp (Y/N)?		
10 Were correct bottle(s) used for the test(s) indicated?	Yes	No
11 Sufficient quantity received to perform indicated analyses?	Yes	No
12 Are these work share samples and all listed on the COC?	Yes	No
If yes, Questions 13-17 have been checked at the originating laboratory		
13 Were all preserved sample(s) at the correct pH upon receipt?	Yes	No NA pH Strip Lot# HC463162
14 Were VOAs on the COC?	Yes	No
15 Were air bubbles >6 mm in any VOA vials? ● ← Larger than this	Yes	No NA
16 Was a VOA trip blank present in the cooler(s)? Trip Blank Lot # _____	Yes	No
17 Was a LL Hg or Me Hg trip blank present? _____	Yes	No

Tests that are not checked for pH by Receiving:
VOAs
Oil and Grease
TOC

Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other

Concerning _____

18 CHAIN OF CUSTODY & SAMPLE DISCREPANCIES ☐ additional next page

Labeled by:

Labels Verified by

19 SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired

Sample(s) _____ were received in a broken container

Sample(s) _____ were received with bubble >6 mm in diameter (Notify PM)

20 SAMPLE PRESERVATION

Sample(s) _____ were further preserved in the laboratory

Time preserved _____ Preservative(s) added/Lot number(s). _____

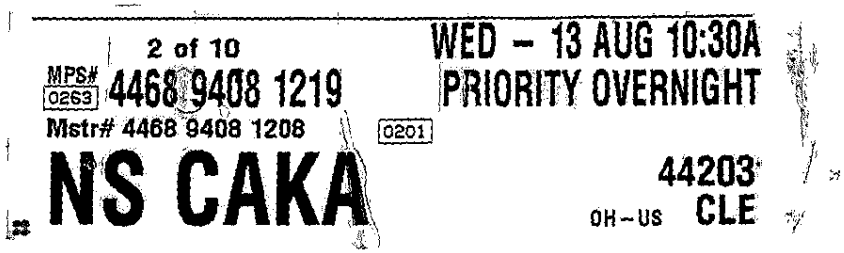
VOA Sample Preservation Date/Time VOAs Frozen _____

Login # _____

Eurofins - Cleveland Sample Receipt Multiple Cooler Form

Cooler Description (Circle)	IR Gun # (Circle)	Observed Temp °C	Corrected Temp °C	Coolant (Circle)
(EC) Client Box Other	IR GUN #: 17	4.2	4.4	(Wet Ice) Blue Ice Dry Ice Water None
(EC) Client Box Other	IR GUN #:	0.3	0.5	Wet Ice Blue Ice Dry Ice Water None
(EC) Client Box Other	IR GUN #:	3.3	3.5	Wet Ice Blue Ice Dry Ice Water None
(EC) Client Box Other	IR GUN #:	4.5	4.7	Wet Ice Blue Ice Dry Ice Water None
(EC) Client Box Other	IR GUN #:	1.3	1.5	Wet Ice Blue Ice Dry Ice Water None
(EC) Client Box Other	IR GUN #:	1.3	1.5	Wet Ice Blue Ice Dry Ice Water None
(EC) Client Box Other	IR GUN #:	1.4	1.6	Wet Ice Blue Ice Dry Ice Water None
(EC) Client Box Other	IR GUN #:	0.2	0.4	Wet Ice Blue Ice Dry Ice Water None
(EC) Client Box Other	IR GUN #:	0.4	0.6	Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC. Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
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EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
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EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
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EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None

☐ See Temperature Excursion Form


2 of 10
MPS#
0263
4468 9408 1219
Mstr# 4468 9408 1208
0201
WED – 13 AUG 10:30A
PRIORITY OVERNIGHT
NS CAKA
44203
OH–US CLE

Eurofins Chicago
18410 Crossing Drive Suite E
Tinley Park, IL 60487
Phone: 708-534-5200 Fax: 708-534-5211

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Fredrick, Sandie	Carrier Tracking No(s): N/A	COC No: 500-210219.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Sandra.Fredrick@et.eurofinsus.com	State of Origin: Michigan	Page: Page 1 of 1
Company: Eurofins Environment Testing North Centr		Accreditations Required (See note): N/A		Job #: 500-272717 1
Address: 180 S. Van Buren Avenue,	Due Date Requested: 8/20/2025			Preservation Codes:
City: Barberton	TAT Requested (days): N/A			
State, Zip: OH, 44203				
Phone: 330-497-9396(Tel) 330-497-0772(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: White Pines, MI	Project #: 50023455			
Site: N/A	SSOW#: N/A			Other: N/A

Sample Identification Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	SM5310_DOC_C/FIELD_FLTRDDOC	5310CTOC	Total Number of containers	Special Instructions/Note: R1
			Preservation Code:							
ARC-02_20250805 (500-272717-1)	8/5/25	09:30 Eastern	G	Water			X	X	6	
MW-43SB_20250805 (500-272717-3)	8/5/25	11 15 Eastern	G	Water			X	X	6	
MW-3B_20250805 (500-272717-5)	8/5/25	11:40 Eastern	G	Water			X	X	6	
MW-43_20250805 (500-272717 7)	8/5/25	12.30 Eastern	G	Water			X	X	6	
MW-2A_20250805 (500-272717-9)	8/5/25	13:20 Eastern	G	Water			X	X	6	
MW-44_20250805 (500-272717-11)	8/5/25	14:00 Eastern	G	Water			X	X	6	
CBR-01_20250805 (500-272717 13)	8/5/25	15:15 Eastern	G	Water			X	X	6	
MW-2B_20250805 (500-272717 15)	8/5/25	15:20 Eastern	G	Water			X	X	6	
DUP-01_GW-20250805 (500-272717 17)	8/5/25	Eastern	G	Water			X	X	6	

Note: Since laboratory accreditations are subject to change, Eurofins Chicago places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Chicago laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Chicago attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Chicago.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II III IV Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Shri Loots	8/12/25 1340		JMOROSKO	8/13/25 1015	Eu
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks:

Eurofins – Cleveland Sample Receipt Form/Narrative Login # _____
Barberton Facility

Client Eur Chicago Site Name _____ Cooler unpacked by: KMartin

Cooler Received on 8/13/25 Opened on 8/13/25

FedEx. 1st Grd (Exp) UPS FAS Waypoint Client Drop Off Eurofins Courier Other _____

Receipt After-hours Drop-off Date/Time _____ Storage Location _____

Eurofins Cooler # EC Foam Box Client Cooler Box Other _____

Packing material used. Bubble Wrap Foam Plastic Bag None Other _____

COOLANT: Wet Ice Blue Ice Dry Ice Water None

1 Cooler temperature upon receipt [X] See Multiple Cooler Form

IR GUN # 17 (CF +0.2 °C) Observed Cooler Temp _____ °C Corrected Cooler Temp _____ °C

2	Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity 1	(Yes) No
	-Were the seals on the outside of the cooler(s) signed & dated?	(Yes) No NA
	Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)?	Yes (No)
	Were tamper/custody seals intact and uncompromised?	(Yes) No NA
3	Shippers' packing slip attached to the cooler(s)?	(Yes) No
4	Did custody papers accompany the sample(s)?	(Yes) No
5	Were the custody papers relinquished & signed in the appropriate place?	(Yes) No
6	Was/were the person(s) who collected the samples clearly identified on the COC?	Yes (No)
7	Did all bottles arrive in good condition (Unbroken)?	(Yes) No
8	Could all bottle labels (ID/Date/Time) be reconciled with the COC?	(Yes) No
9	For each sample, does the COC specify preservatives (Y/N), # of containers (Y/N), and sample type of grab/comp (Y/N)?	(Y) (Y) (Y)
10	Were correct bottle(s) used for the test(s) indicated?	(Yes) No
11	Sufficient quantity received to perform indicated analyses?	(Yes) No
12	Are these work share samples and all listed on the COC?	(Yes) No
	If yes, Questions 13-17 have been checked at the originating laboratory	
13	Were all preserved sample(s) at the correct pH upon receipt?	Yes No NA pH Strip Lot# HC463162
14	Were VOAs on the COC?	Yes No
15	Were air bubbles >6 mm in any VOA vials? ● ← Larger than this.	Yes No NA
16	Was a VOA trip blank present in the cooler(s)? Trip Blank Lot # _____	Yes No
17	Was a LL Hg or Me Hg trip blank present? _____	Yes No

Tests that are not checked for pH by Receiving

VOAs
Oil and Grease
TOC

Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other

Concerning _____

18. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES ☐ additional next page

Labeled by:

Labels Verified by

_____

_____

_____

_____

19 SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired.

Sample(s) _____ were received in a broken container

Sample(s) _____ were received with bubble >6 mm in diameter (Notify PM)

20 SAMPLE PRESERVATION

Sample(s) _____ were further preserved in the laboratory

Time preserved _____ Preservative(s) added/Lot number(s) _____

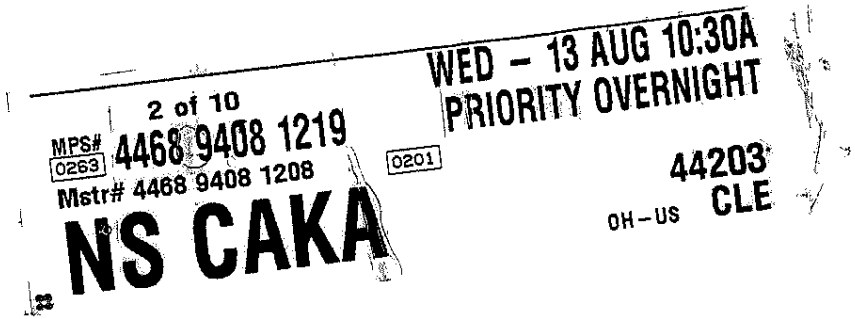
VOA Sample Preservation Date/Time VOAs Frozen _____

Login # _____

Eurofins - Cleveland Sample Receipt Multiple Cooler Form

Cooler Description (Circle)	IR Gun # (Circle)	Observed Temp °C	Corrected Temp °C	Coolant (Circle)
(EC) Client Box Other	IR GUN #: 17	4.2	4.4	(Wet Ice) Blue Ice Dry Ice Water None
(EC) Client Box Other	IR GUN #:	0.3	0.5	Wet Ice Blue Ice Dry Ice Water None
(EC) Client Box Other	IR GUN #:	3.3	3.5	Wet Ice Blue Ice Dry Ice Water None
(EC) Client Box Other	IR GUN #:	4.5	4.7	Wet Ice Blue Ice Dry Ice Water None
(EC) Client Box Other	IR GUN #:	1.3	1.5	Wet Ice Blue Ice Dry Ice Water None
(EC) Client Box Other	IR GUN #:	1.3	1.5	Wet Ice Blue Ice Dry Ice Water None
(EC) Client Box Other	IR GUN #:	1.4	1.6	Wet Ice Blue Ice Dry Ice Water None
(EC) Client Box Other	IR GUN #:	0.2	0.4	Wet Ice Blue Ice Dry Ice Water None
(EC) Client Box Other	IR GUN #:	0.4	0.6	Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
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EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None

☐ See Temperature Excursion Form


2 of 10
MPS#
0263
4468 9408 1219
Mstr# 4468 9408 1208
0201
WED – 13 AUG 10:30A
PRIORITY OVERNIGHT
44203
OH–US
CLE
NS CAKA

Eurofins Chicago
18410 Crossing Drive Suite E
Tinley Park, IL 60487
Phone: 708-534-5200 Fax: 708-534-5211

Chain of Custody Record

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Fredrick, Sandie	Carrier Tracking No(s): N/A
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Sandra.Fredrick@et.eurofinsus.com	State of Origin: Michigan
Company: Eurofins Environment Testing Northwest L		Accreditations Required (See note): N/A	
Address: 5755 8th Street East,	Due Date Requested: 8/20/2025		
City: Tacoma	TAT Requested (days): N/A		
State, Zip: WA, 98424			
Phone: 253-922-2310(Tel)	PO #: N/A		
Email: N/A	WO #: N/A		
Project Name: White Pines, MI	Project #: 50023455		
Site: N/A	SSOW#: N/A		

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=wasteoil, BT=Tissue, A=Air)	Perform MS/MSD (Yes or No)	Field Filtered Sample (Yes or No)	1638/1638_Prep_WUranium only (ICP/MS)	1631EMercury, Low Level (CVAFS)	1630_ME/1630_Dist_PFPMethyl Mercury	1638/FIELD_FLTRDDissolved Uranium only (ICP/MS) (field f	1631E/FIELD_FLTRDDissolved Mercury, Low Level (CVAFS) (fi	1630_ME/FIELD_FLTRDDissolved Methyl Mercury (field filtered	Total Number of co	Special Instructions/Note:
				Preservation Code:			Analysis Requested							
ARC-02_20250805 (500-272717-1)	8/5/25	09:30 Eastern	G	Water			X	X	X	X	X	X	3	
ARC-02_20250805_FBLL (500-272717-2)	8/5/25	09:30 Eastern	G	Water				X					2	
MW-43SB_20250805 (500-272717-3)	8/5/25	11:15 Eastern	G	Water			X	X	X	X	X	X	3	
MW-43SB_20250805_FBLL (500-272717-4)	8/5/25	11:15 Eastern	G	Water				X					2	
MW-3B_20250805 (500-272717-5)	8/5/25	11:40 Eastern	G	Water			X	X	X	X	X	X	3	
MW-3B_20250805_FBLL (500-272717-6)	8/5/25	11:40 Eastern	G	Water				X					2	
MW-43_20250805 (500-272717-7)	8/5/25	12:30 Eastern	G	Water			X	X	X	X	X	X	3	
MW-43_20250805_FBLL (500-272717-8)	8/5/25	12:30 Eastern	G	Water				X					2	
MW-2A_20250805 (500-272717-9)	8/5/25	13:20 Eastern	G	Water			X	X	X	X	X	X	3	

Note: Since laboratory accreditations are subject to change, Eurofins Chicago places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Chicago laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Chicago attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Chicago.

Possible Hazard Identification *Unconfirmed* 4468 4408 0201

Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☐ *Disposal By Lab* *Archive For* _____ *Months*

Special Instructions/QC Requirements:

Empty Kit Relinquished by: Date: Time: Method of Shipment:

Relinquished by:	Date/Time: 8/7/25 1630	Company	Received by:	Date/Time: 8/12/25	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ☐ Yes ☐ No Custody Seal No.: Cooler Temperature(s) °C and Other Remarks:

Ver: 10/10/2024

Therm. ID: SC03 Cust. Seal: (Y) / N
Uncorr./Corr. Temp: 4.5/4.5 °C
Delivery: UPS / FedEx / Other:
Ice Type: Blue / Dry / Wet / None
Label Ver: _____ Packing: _____

Therm. ID: SC03 Cust. Seal: (Y) / N
Uncorr./Corr. Temp: 4.5/4.5 °C
Delivery: UPS / FedEx / Other:
Ice Type: Blue / Dry / Wet / None
Label Ver: _____ Packing: _____

Therm. ID: SC03 Cust. Seal: (Y) / N
Uncorr./Corr. Temp: 4.5/4.5 °C
Delivery: UPS / FedEx / Other:
Ice Type: Blue / Dry / Wet / None
Label Ver: _____ Packing: _____

Eurofins Chicago
18410 Crossing Drive Suite E
Tinley Park, IL 60487
Phone 708-534-5200 Fax: 708-534-5211

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Fredrick, Sandie	Carrier Tracking No(s): N/A	COC No: 500-210045.2
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Sandra.Fredrick@et.eurofinsus com	State of Origin: Michigan	Page: Page 2 of 2
Company: Eurofins Environment Testing Northwest L		Accreditations Required (See note): N/A		Job #: 500-272717-1
Address: 5755 8th Street East, ,	Due Date Requested: 8/20/2025			Preservation Codes: -
City: Tacoma	TAT Requested (days): N/A			
State Zip: WA, 98424				
Phone: 253-922-2310(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: White Pines, MI	Project #: 50023455			
Site: N/A	SSOW#: N/A			Other: N/A

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	1638/1638_Prep_WUranium only (ICP/MS)	1631EMercury, Low Level (CVAFS)	1630_ME/1630_Dist_PFPMethyl Mercury	1638/FIELD_FLTRDDissolved Uranium only (ICP/MS) (field f	1631E/FIELD_FLTRDDissolved Mercury, Low Level (CVAFS) (fi	1630_ME/FIELD_FLTRDDissolved Methyl Mercury (field filtered	Total Number of containers	Special Instructions/Note:
			Preservation Code:											
MW-2A_20250805_FBLL (500-272717-10)	8/5/25	13:20 Eastern	G	Water				X					2	
MW-44_20250805 (500-272717-11)	8/5/25	14 00 Eastern	G	Water			X	X	X	X	X	X	8	
MW-44_20250805_FBLL (500-272717-12)	8/5/25	14 00 Eastern	G	Water				X					2	
CBR-01_20250805 (500-272717-13)	8/5/25	15 15 Eastern	G	Water			X	X	X	X	X	X	8	
CBR-01_20250805_FBLL (500-272717-14)	8/5/25	15.15 Eastern	G	Water				X					2	
MW-2B_20250805 (500-272717-15)	8/5/25	15.20 Eastern	G	Water			X	X	X	X	X	X	8	
MW-2B_20250805_FBLL (500-272717-16)	8/5/25	15 20 Eastern	G	Water				X					2	
DUP-01_GW-20250805 (500-272717-17)	8/5/25	23.59 Eastern	G	Water			X	X	X	X	X	X	8	
DUP-01_GW-20250805_FBLL (500-272717-18)	8/5/25	23.59 Eastern	G	Water				X					2	

Note: Since laboratory accreditations are subject to change, Eurofins Chicago places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed the samples must be shipped back to the Eurofins Chicago laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Chicago attention immediately If all requested accreditations are current to date return the signed Chain of Custody attesting to said compliance to Eurofins Chicago.

Possible Hazard Identification	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)***
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested. I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements.

Empty Kit Relinquished by:	Date	Time	Method of Shipment:

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1	Relinquished by: [signature]	Date/Time: 8/7/25 1630	Company	Received by: [signature]	Date/Time: 8/8/25 9:50	Company EEIN
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks:

Ver: 10/10/2024

Eurofins Chicago
18410 Crossing Drive Suite E
Tinley Park, IL 60487
Phone: 708-534-5200 Fax: 708-534-5211

Chain of Custody Record

Therm. ID: SC02 Cust. Seal: (Y) / N
Uncorr./Corr. Temp: 0.5 / 0.3 °C
Delivery: UPS / FedEx / Other: ____
Ice Type: Blue / Dry / Wet / None
Label Ver.: ____ Packing: B

Therm. ID: SC04 Cust. Seal: (Y) / N
Uncorr./Corr. Temp: 0.9 / 0.1 °C
Delivery: UPS / FedEx / Other: ____
Ice Type: Blue / Dry / Wet / None
Label Ver.: ____ Packing: B

Therm. ID: SC03 Cust. Seal: (Y) / N
Uncorr./Corr. Temp: 19.5 / 19.4 °C
Delivery: UPS / FedEx / Other: ____
Ice Type: Blue / Dry / Wet / None
Label Ver.: ____ Packing: B

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Fredrick, Sandie	Carrier Tracking: N/A
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Sandra.Fredrick@et.eurofinsus.com	State of Origin: Michigan
Company: Eurofins Environment Testing Northwest L		Accreditations Required (See note): N/A	
Address: 5755 8th Street East, ,	Due Date Requested: 8/20/2025		
City: Tacoma	TAT Requested (days): N/A		
State, Zip: WA, 98424			
Phone: 253-922-2310(Tel)	PO #: N/A		
Email: N/A	WO #: N/A		
Project Name: White Pines, MI	Project #: 50023455		
Site: N/A	SSOW#: N/A		

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	1638/1638_Prep_WUranium only (ICP/MS)	1631EMercury, Low Level (CVAFS)	1630_ME/1630_Dist_PFPMethyl Mercury	1638/FIELD_FLTRDDissolved Uranium only (ICP/MS) (field f	1631E/FIELD_FLTRDDissolved Mercury, Low Level (CVAFS) (fi	1630_ME/FIELD_FLTRDDissolved Methyl Mercury (field filtered	Total Number of co	Special Instructions/Note:
Preservation Code:														
ARC-02_20250805 (500-272717-1)	8/5/25	09:30 Eastern	G	Water			X	X	X	X	X	X	8	
ARC-02_20250805_FBLL (500-272717-2)	8/5/25	09:30 Eastern	G	Water				X					2	
MW-43SB_20250805 (500-272717-3)	8/5/25	11:15 Eastern	G	Water			X	X	X	X	X	X	8	
MW-43SB_20250805_FBLL (500-272717-4)	8/5/25	11:15 Eastern	G	Water				X					2	
MW-3B_20250805 (500-272717-5)	8/5/25	11:40 Eastern	G	Water			X	X	X	X	X	X	8	
MW-3B _20250805_FBLL (500-272717-6)	8/5/25	11:40 Eastern	G	Water				X					2	
MW-43_20250805 (500-272717-7)	8/5/25	12:30 Eastern	G	Water			X	X	X	X	X	X	8	
MW-43_20250805_FBLL (500-272717-8)	8/5/25	12:30 Eastern	G	Water				X					2	
MW-2A_20250805 (500-272717-9)	8/5/25	13:20 Eastern	G	Water			X	X	X	X	X	X	8	

Other: N/A

Note: Since laboratory accreditations are subject to change, Eurofins Chicago places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Chicago laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Chicago attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Chicago.

Possible Hazard Identification 4468 9408 0201
Unconfirmed

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* ____ *Months*

Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:		
Relinquished by: Shir Kook	Date/Time: 8/7/25 1630	Company	Received by:	Date/Time: 8/8/25 9:50	Company BETN
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

Ver: 10/10/2024

8/21/2025

Eurofins Chicago
18410 Crossing Drive Suite E
Tinley Park, IL 60487
Phone 708-534-5200 Fax: 708-534-5211

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Fredrick, Sandie	Carrier Tracking No(s): N/A	COC No: 500-210045 2
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Sandra Fredrick@et eurofinsus.com	State of Origin: Michigan	Page: Page 2 of 2
Company: Eurofins Environment Testing Northwest L		Accreditations Required (See note): N/A		Job #: 500-272717-1
Address: 5755 8th Street East, ,	Due Date Requested: 8/20/2025			
City: Tacoma	TAT Requested (days): N/A			
State Zip: WA, 98424				
Phone: 253-922-2310(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: White Pines, MI	Project #: 50023455			
Site: N/A	SSOW#: N/A			

Analysis Requested

Preservation Codes:

Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	1638/1638_Prep_WUranium only (ICP/MS)	1631EMercury, Low Level (CVAFS)	1630_ME/1630_Dist_PFPMethyl Mercury	1638/FIELD_FLTRDDissolved Uranium only (ICP/MS) (field f	1631E/FIELD_FLTRDDissolved Mercury, Low Level (CVAFS) (fi	1630_ME/FIELD_FLTRDDissolved Methyl Mercury (field filtered	Total Number of containers	Special Instructions/Note:
			Preservation Code:											
MW-2A_20250805_FBLL (500-272717-10)	8/5/25	13.20 Eastern	G	Water				X					2	
MW-44_20250805 (500-272717-11)	8/5/25	14 00 Eastern	G	Water			X	X	X	X	X	X	8	
MW-44_20250805_FBLL (500-272717-12)	8/5/25	14 00 Eastern	G	Water				X					2	
CBR-01_20250805 (500-272717-13)	8/5/25	15 15 Eastern	G	Water			X	X	X	X	X	X	8	
CBR-01_20250805_FBLL (500-272717-14)	8/5/25	15 15 Eastern	G	Water				X					2	
MW-2B_20250805 (500-272717-15)	8/5/25	15 20 Eastern	G	Water			X	X	X	X	X	X	8	
MW-2B_20250805_FBLL (500-272717-16)	8/5/25	15 20 Eastern	G	Water				X					2	
DUP-01_GW-20250805 (500-272717-17)	8/5/25	23 59 Eastern	G	Water			X	X	X	X	X	X	8	
DUP-01_GW-20250805_FBLL (500-272717-18)	8/5/25	23 59 Eastern	G	Water				X					2	

Note: Since laboratory accreditations are subject to change, Eurofins Chicago places the ownership of method analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Chicago laboratory or other instructions will be provided Any changes to accreditation status should be brought to Eurofins Chicago attention immediately If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Chicago.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested I, II, III, IV, Other (specify) Primary Deliverable Rank 2	Special Instructions/QC Requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Relinquished by	8/7/25 1630			8/8/25 9:50	EDIN
Relinquished by	Date/Time:	Company	Received by	Date/Time:	Company
Relinquished by	Date/Time:	Company	Received by	Date/Time.	Company

Custody Seals Intact	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks.
Δ Yes Δ No		

Ver 10/10/2024

8/21/2025

Login Sample Receipt Checklist

Client: White Pine Copper LLC

Job Number: 500-272717-1

Login Number: 272717
List Number: 1
Creator: Hernandez, Stephanie

List Source: Eurofins Chicago

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	0.7,4.5,3.4,1.8,2.4,2.0,4.8,4.2,3.6
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	False	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: White Pine Copper LLC

Job Number: 500-272717-1

Login Number: 272717
List Number: 2
Creator: Miller, Darren R

List Source: Eurofins Seattle Specialty Metals
List Creation: 08/08/25 03:06 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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Date:	8/8/2025
End Time:	14:57
KI Paper Lot:	N/A
Analyst:	
Pipette:	MP HG4

Preservative ID	Preservative Type	Container ID
A	Bromine Monochloride (0 2N)	104127
ZZZZZZZZZZZZZZZ	ZZZZZZZZZZZZZZZZZZZZZZZ	ZZZZZZZZZZ
ZZZZZZZZZZZZZZZ	ZZZZZZZZZZZZZZZZZZZZZZZ	ZZZZZZZZZZ
ZZZZZZZZZZZZZZZ	ZZZZZZZZZZZZZZZZZZZZZZZ	ZZZZZZZZZZ

Sample ID	Pres. Used (ID)	Oxidized (Y/N)?	Pres. Vol. (mL)/Percent (%)		Comments
500-272717-A-1	A	Y	.8	2	
500-272717-B-1	A	Y	.8	2	
500-272717-C-1	A	Y	.8	2	
500-272717-D-1	A	Y	.8	2	
500-272717-A-2	A	Y	.8	2	
500-272717-B-2	A	Y	.8	2	
500-272717-A-3	A	Y	.8	2	
500-272717-B-3	A	Y	.8	2	
500-272717-C-3	A	Y	.8	2	
500-272717-D-3	A	Y	.8	2	
500-272717-A-4	A	Y	.8	2	
500-272717-B-4	A	Y	.8	2	
500-272717-A-5	A	Y	.8	2	
500-272717-B-5	A	Y	.8	2	
500-272717-C-5	A	Y	.8	2	
500-272717-D-5	A	Y	.8	2	
500-272717-A-6	A	Y	.8	2	
500-272717-B-6	A	Y	.8	2	
500-272717-A-7	A	Y	.8	2	
500-272717-B-7	A	Y	.8	2	
500-272717-C-7	A	Y	.8	2	
500-272717-D-7	A	Y	.8	2	
500-272717-A-8	A	Y	.8	2	
500-272717-B-8	A	Y	.8	2	
500-272717-A-9	A	Y	.8	2	
500-272717-B-9	A	Y	.8	2	
500-272717-C-9	A	Y	.8	2	
500-272717-D-9	A	Y	.8	2	
500-272717-A-10	A	Y	.8	2	
500-272717-B-10	A	Y	.8	2	
500-272717-A-11	A	Y	.8	2	
500-272717-B-11	A	Y	.8	2	
500-272717-C-11	A	Y	.8	2	
500-272717-D-11	A	Y	.8	2	
500-272717-A-12	A	Y	.8	2	

8/8/25

eurofins | Environment Testing

Date:	8/8/2025
End Time:	17:57
KI Paper Lot:	ND
Analyst:	
Pipette:	MP_ W604

Preservative ID	Preservative Type	Container ID
A	Bromine Monochloride (0 2N)	104127
ZZZZZZZZZZZZZZZ	ZZZZZZZZZZZZZZZZZZZZZZZZ	ZZZZZZZZZZ
ZZZZZZZZZZZZZZZ	ZZZZZZZZZZZZZZZZZZZZZZZZ	ZZZZZZZZZZ
ZZZZZZZZZZZZZZZ	ZZZZZZZZZZZZZZZZZZZZZZZZ	ZZZZZZZZZZ

Sample ID	Pres. Used (ID)	Oxidized (Y/N)?	Pres. Vol. (mL)/Percent (%)		Comments
500-272717-D-11	A	Y	.8	2	
500-272717-A-12	A	Y	.8	2	
500-272717-B-12	A	Y	.8	2	
500-272717-A-13	A	Y	.8	2	
500-272717-B-13	A	Y	.8	2	
500-272717-C-13	A	Y	.8	2	
500-272717-D-13	A	Y	.8	2	
500-272717-A-14	A	Y	.8	2	
500-272717-B-14	A	Y	.8	2	
500-272717-A-15	A	Y	.8	2	
500-272717-B-15	A	Y	.8	2	
500-272717-C-15	A	Y	.8	2	
500-272717-D-15	A	Y	.8	2	
500-272717-A-16	A	Y	.8	2	
500-272717-B-16	A	Y	.8	2	
500-272717-A-17	A	Y	.8	2	
500-272717-B-17	A	Y	.8	2	
500-272717-C-17	A	Y	.8	2	
500-272717-D-17	A	Y	.8	2	
500-272717-A-18	A	Y	.8	2	
500-272717-B-18	A	Y	.8	2	

8/8/25

eurofins | Environment Testing

Date:	8/8/2025
End Time:	1522
pH Paper Lot:	hc441704
Analyst:	
Pipette:	

Preservative ID	Preservative Type	Container ID
A	Nitric Acid	na
A	Hydrochloric Acid	na
ZZZZZZZZZZZZZZZZ	ZZZZZZZZZZZZZZZZZZZZZZZZ	ZZZZZZZZZZ
ZZZZZZZZZZZZZZZZ	ZZZZZZZZZZZZZZZZZZZZZZZZ	ZZZZZZZZZZ

Sample ID	Initial pH	Final pH	Preservative ID	Preservative Added (mL)	Comments
500-272717-F-3	<2				
500-272717-E-11	<2				
500-272717-F-5	<2				
500-272717-E-15	<2				
500-272717-E-1	<2				
500-272717-E-5	<2				
500-272717-F-15	<2				
500-272717-E-9	<2				
500-272717-F-15	<2				
500-272717-E-3	<2				
500-272717-F-11	<2				
500-272717-F-9	<2				
500-272717-E-17	<2				
500-272717-F-13	<2				
500-272717-F-17	<2				
500-272717-E-13	<2				
500-272717-E-7	<2				
500-272717-F-7	<2				
500-272717-M-9	<2				
500-272717-M-1	<2				
500-272717-N-11	<2				
500-272717-M-17	<2				
500-272717-N-13	<2				
500-272717-M-15	<2				
500-272717-M-3	<2				
500-272717-M-3	<2				
500-272717-N-9	<2				
500-272717-M-13	<2				
500-272717-N-17	<2				
500-272717-N-1	<2				
500-272717-N-7	<2				
500-272717-N-5	<2				
500-272717-M-5	<2				
500-272717-M-11	<2				
500-272717-N-15	<2				

8/8/25

eurofins | Environment Testing

Date:	8/8/2025
End Time:	15:22
pH Paper Lot:	hc441704
Analyst:	VL
Pipette:	ND

Preservative ID	Preservative Type	Container ID
A	Nitric Acid	na
A	Hydrochloric Acid	na
ZZZZZZZZZZZZZZZ	ZZZZZZZZZZZZZZZZZZZZZZZ	ZZZZZZZZZZ
ZZZZZZZZZZZZZZZ	ZZZZZZZZZZZZZZZZZZZZZZZ	ZZZZZZZZZZ

Sample ID	Initial pH	Final pH	Preservative ID	Preservative Added (mL)	Comments
500-272717-M-11	≤2				
500-272717-N-15	≤2			VL 8/8/25	
500-272717-M-7	≤2				
500-272717-N-3	≤2				