



ANALYTICAL SUMMARY REPORT

July 20, 2023

Yellowstone Ice and Water
1518 1st Ave N Ste 1
Billings, MT 59101-2610

Work Order: B23070583

Project Name: MT0003996

Energy Laboratories Inc Billings MT received the following 6 samples for Yellowstone Ice and Water on 7/11/2023 for analysis.

Lab ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
B23070583-001	1	07/06/23 8:00	07/11/23	Drinking Water	Metals by ICP/ICPMS, Drinking Water Metals pH check by the Laboratory FIRST Metals Digestion by E200.2
B23070583-002	2	07/07/23 8:00	07/11/23	Drinking Water	Same As Above
B23070583-003	3	07/08/23 8:00	07/11/23	Drinking Water	Same As Above
B23070583-004	4	07/09/23 8:00	07/11/23	Drinking Water	Same As Above
B23070583-005	5	07/10/23 8:00	07/11/23	Drinking Water	Same As Above
B23070583-006	6	07/11/23 8:00	07/11/23	Drinking Water	Same As Above

The analyses presented in this report were performed by Energy Laboratories, Inc., 1120 S 27th St., Billings, MT 59101, unless otherwise noted. Any exceptions or problems with the analyses are noted in the report package. Any issues encountered during sample receipt are documented in the Work Order Receipt Checklist.

The results as reported relate only to the item(s) submitted for testing. This report shall be used or copied only in its entirety. Energy Laboratories, Inc. is not responsible for the consequences arising from the use of a partial report.

If you have any questions regarding these test results, please contact your Project Manager.

Report Approved By:

Technical Data Reviewer

Digitally signed by
Keri Conter

Date: 2023.07.20 12:07:01 -06:00



CLIENT: Yellowstone Ice and Water
Project: MT0003996
Work Order: B23070583

Revised Date: 07/20/23

Report Date: 07/20/23

CASE NARRATIVE

Revised Date: 7/20/2023

The original report did not have the Copper and Lead narrative included. This has been added. We apologize for any inconvenience this may have caused.

The report has been revised and replaces the previously issued report dated 7/20/2023 in its entirety.

In order to complete your Lead and Copper requirements you must submit your consumer notice to the State.

To calculate the 90th percentile for each analyte:

For systems that collect 5 samples, take the average of the 2 highest concentrations and compare this value with the Action Level for the analyte.

For systems that collect 10 samples, take the 2nd highest sample concentration and compare this value with the Action Level for the analyte.

Action Levels:

Copper = 1.3 mg/L

Lead = 0.015 mg/L



LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Revised Date: 07/20/23

Lab ID: B23070583-001

Report Date: 07/20/23

Collection Date: 07/06/23 08:00

Date Received: 07/11/23

Matrix: Drinking Water

Federal ID#: MT00005

Client: Yellowstone Ice and Water

Client Sample ID: 1

PWS #: MT0003996 **Name:** YELLOWSTONE ICE AND WATER

Facility ID: DS001

SamplingPoint/Location: SP001 / 1

Project ID: MT0003996

Collector's Name: Not Provided

Contact Phone #: (406) 245-4120

Compliance Sample: YES

Sample Type: RT

FRDS Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
METALS, TOTAL							
1022 Copper	0.313	mg/L		0.005	1.3	E200.8	07/15/23 02:41 / jks
1030 Lead	ND	mg/L		0.001	0.015	E200.8	07/15/23 02:41 / jks

Report RL - Analyte Reporting Limit
Definitions: QCL - Quality Control Limit

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



LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Revised Date: 07/20/23

Lab ID: B23070583-002

Report Date: 07/20/23

Collection Date: 07/07/23 08:00

Date Received: 07/11/23

Matrix: Drinking Water

Federal ID#: MT00005

Client: Yellowstone Ice and Water

Client Sample ID: 2

PWS #: MT0003996 Name: YELLOWSTONE ICE AND WATER

Facility ID: DS001

SamplingPoint/Location: SP001 / 2

Project ID: MT0003996

Collector's Name: Not Provided

Contact Phone #: (406) 245-4120

Compliance Sample: YES

Sample Type: RT

FRDS Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
METALS, TOTAL							
1022 Copper	0.364	mg/L		0.005	1.3	E200.8	07/15/23 02:48 / jks
1030 Lead	ND	mg/L		0.001	0.015	E200.8	07/15/23 02:48 / jks

Report RL - Analyte Reporting Limit
Definitions: QCL - Quality Control Limit

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



LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Revised Date: 07/20/23

Lab ID: B23070583-003

Report Date: 07/20/23

Collection Date: 07/08/23 08:00

Date Received: 07/11/23

Matrix: Drinking Water

Federal ID#: MT00005

Client: Yellowstone Ice and Water

Client Sample ID: 3

PWS #: MT0003996 Name: YELLOWSTONE ICE AND WATER

Facility ID: DS001

SamplingPoint/Location: SP001 / 3

Project ID: MT0003996

Collector's Name: Not Provided

Contact Phone #: (406) 245-4120

Compliance Sample: YES

Sample Type: RT

FRDS Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
METALS, TOTAL							
1022 Copper	0.402	mg/L		0.005	1.3	E200.8	07/15/23 02:54 / jks
1030 Lead	ND	mg/L		0.001	0.015	E200.8	07/15/23 02:54 / jks

Report Definitions: RL - Analyte Reporting Limit
QCL - Quality Control Limit

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



LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Revised Date: 07/20/23

Lab ID: B23070583-004

Report Date: 07/20/23

Collection Date: 07/09/23 08:00

Date Received: 07/11/23

Matrix: Drinking Water

Federal ID#: MT00005

Client: Yellowstone Ice and Water

Client Sample ID: 4

PWS #: MT0003996 **Name:** YELLOWSTONE ICE AND WATER

Facility ID: DS001

SamplingPoint/Location: SP001 / 4

Project ID: MT0003996

Collector's Name: Not Provided

Contact Phone #: (406) 245-4120

Compliance Sample: YES

Sample Type: RT

FRDS Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
METALS, TOTAL							
1022 Copper	0.437	mg/L		0.005	1.3	E200.8	07/15/23 03:00 / jks
1030 Lead	ND	mg/L		0.001	0.015	E200.8	07/15/23 03:00 / jks

Report Definitions: RL - Analyte Reporting Limit
QCL - Quality Control Limit

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



LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Revised Date: 07/20/23

Lab ID: B23070583-005

Report Date: 07/20/23

Collection Date: 07/10/23 08:00

Date Received: 07/11/23

Matrix: Drinking Water

Federal ID#: MT000005

Client: Yellowstone Ice and Water

Client Sample ID: 5

PWS #: MT0003996 Name: YELLOWSTONE ICE AND WATER

Facility ID: DS001

SamplingPoint/Location: SP001 / 5

Project ID: MT0003996

Collector's Name: Not Provided

Contact Phone #: (406) 245-4120

Compliance Sample: YES

Sample Type: RT

FRDS Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
METALS, TOTAL							
1022 Copper	0.393	mg/L		0.005	1.3	E200.8	07/15/23 03:07 / jks
1030 Lead	ND	mg/L		0.001	0.015	E200.8	07/15/23 03:07 / jks

Report Definitions: RL - Analyte Reporting Limit
QCL - Quality Control Limit

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



LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Revised Date: 07/20/23

Lab ID: B23070583-006

Report Date: 07/20/23

Collection Date: 07/11/23 08:00

Date Received: 07/11/23

Matrix: Drinking Water

Federal ID#: MT00005

Client: Yellowstone Ice and Water

Client Sample ID: 6

PWS #: MT0003996 Name: YELLOWSTONE ICE AND WATER

Facility ID: DS001

SamplingPoint/Location: SP001 / 6

Project ID: MT0003996

Collector's Name: Not Provided

Contact Phone #: (406) 245-4120

Compliance Sample: YES

Sample Type: RT

FRDS Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
METALS, TOTAL							
1022 Copper	0.570	mg/L		0.005	1.3	E200.8	07/15/23 03:13 / jks
1030 Lead	ND	mg/L		0.001	0.015	E200.8	07/15/23 03:13 / jks

Report Definitions: RL - Analyte Reporting Limit
QCL - Quality Control Limit

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



QA/QC Summary Report

Prepared by Billings, MT Branch

Revised Date: 07/20/23

Client: Yellowstone Ice and Water

Work Order: B23070583

Report Date: 07/20/23

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual	
Method: E200.8 Analytical Run: ICPMS208-B_230714A											
Lab ID: QCS	2	Initial Calibration Verification Standard									07/14/23 23:32
Copper		0.0541	mg/L	0.010	108	90	110				
Lead		0.0509	mg/L	0.0010	102	90	110				
Lab ID: CCV	2	Continuing Calibration Verification Standard									07/15/23 02:22
Copper		0.0518	mg/L	0.010	103	90	110				
Lead		0.0499	mg/L	0.0010	100	90	110				
Method: E200.8 Batch: R405486											
Lab ID: LRB	2	Method Blank									Run: ICPMS208-B_230714A 07/14/23 14:19
Copper		ND	mg/L	0.0002							
Lead		ND	mg/L	0.00003							
Lab ID: LFB	2	Laboratory Fortified Blank									Run: ICPMS208-B_230714A 07/14/23 14:31
Copper		0.0533	mg/L	0.010	107	85	115				
Lead		0.0531	mg/L	0.0010	106	85	115				
Lab ID: B23070590-003AMS	2	Sample Matrix Spike									Run: ICPMS208-B_230714A 07/15/23 03:26
Copper		0.0558	mg/L	0.0050	106	70	130				
Lead		0.0523	mg/L	0.0010	104	70	130				
Lab ID: B23070590-003AMSD	2	Sample Matrix Spike Duplicate									Run: ICPMS208-B_230714A 07/15/23 03:32
Copper		0.0566	mg/L	0.0050	108	70	130	1.5	20		
Lead		0.0533	mg/L	0.0010	106	70	130	1.9	20		

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)



Work Order Receipt Checklist

Yellowstone Ice and Water

B23070583

Login completed by: Hayden T. Moore

Date Received: 7/11/2023

Reviewed by: darcy

Received by: lel

Reviewed Date: 7/16/2023

Carrier name: Hand Deliver

Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>
Custody seals intact on all shipping container(s)/cooler(s)?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>
Custody seals intact on all sample bottles?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody agrees with sample labels?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Samples in proper container/bottle?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
All samples received within holding time? (Exclude analyses that are considered field parameters such as pH, DO, Res Cl, Sulfite, Ferrous Iron, etc.)	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Temp Blank received in all shipping container(s)/cooler(s)?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Applicable <input type="checkbox"/>
Container/Temp Blank temperature:	9.2°C On Ice		
Containers requiring zero headspace have no headspace or bubble that is <6mm (1/4").	Yes <input type="checkbox"/>	No <input type="checkbox"/>	No VOA vials submitted <input checked="" type="checkbox"/>
Water - pH acceptable upon receipt?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	Not Applicable <input type="checkbox"/>

Standard Reporting Procedures:

Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH, Dissolved Oxygen and Residual Chlorine, are qualified as being analyzed outside of recommended holding time.

Solid/soil samples are reported on a wet weight basis (as received) unless specifically indicated. If moisture corrected, data units are typically noted as -dry. For agricultural and mining soil parameters/characteristics, all samples are dried and ground prior to sample analysis.

The reference date for Radon analysis is the sample collection date. The reference date for all other Radiochemical analyses is the analysis date. Radiochemical precision results represent a 2-sigma Total Measurement Uncertainty.

Contact and Corrective Action Comments:

None



Trust our People. Trust our Data.

Chain of Custody & Analytical Request Record

www.energylab.com

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Account Information (Billing Information)

Company Name: Yellowstone Ice & Water
 Contact: Jeff Seimling
 Phone: 406-245-4170
 Mailing Address: 1576 1st Ave N.
 City, State, Zip: Billings MT 59101
 Email: jeff@yellowstoneice.com

Receive Report: Hard Copy EMail
 Purchase Order: 174748

Special Report/Formats: LEVEL IV NELAC EDD/EDT (contact laboratory) Other

Report Information (if different than Account Information)

Company Name: _____
 Contact: _____
 Phone: _____
 Mailing Address: _____
 City, State, Zip: _____
 Email: _____

Receive Report: Hard Copy EMail
 Special Report/Formats: LEVEL IV NELAC EDD/EDT (contact laboratory) Other

Comments

Project Information

Project Name, PWSID, Permit, etc: MT 000 3994

Sampler Name: _____
 Sampler Phone: _____
 EPA/State Compliance: Yes No

URANIUM MINING CLIENTS MUST indicate sample type

Unprocessed Ore
 Processed Ore (Ground or Refined) **CALL BEFORE SENDING
 11(e)2 Byproduct Material (Can. ONL Y be Submitted to ELI Casper Location)

Matrix Codes

A - Air
 W - Water
 S - Solids
 V - Vegetation
 B - Biossassy
 O - Oil
 DW - Drinking Water

Analysis Requested

Sample ID	Date	Time	Collection	Matrix	Number of Containers	Matrix (See Codes Above)
1	7-06	6am				
2	7-07	6am				
3	7-05	6am				
4	7-09	6am				
5	7/10	6am				
6	7/11	6am				
7						
8						
9						

All turnaround times are standard unless marked as RUSH.
 Energy Laboratories MUST be contacted prior to RUSH sample submittal for charges and scheduling -- See Instructions Page

ELI LAB ID Laboratory Use Only
B03070583

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

Custody Record MUST be signed by (Name, Location, Interval, etc.)
 Date/Time: 7/11 6:30 Signature: Jeff Seimling

Received by (Name, Location, Interval, etc.)
 Date/Time: 7-05 08:35 Signature: Lyndee O'Connell

Shipped By: _____ Cooler ID(e): _____ Custody Seals: Y N C B Intact: Y N Receipt Temp: 9.2 °C Temp Blank: Y N On Ice: Y N Payment Type: Cash Check: _____ Amount: \$ _____

Receipt Number (cust/check only): _____

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