



BRIDGER ANALYTICAL LAB

7539 Pioneer Way Suite B, Bozeman, MT 59718 Phone: (406) 582-0822
US EPA ID# MT00953 MT Certification Number CERT0094

Reported:

08/02/2024 10:26

Project Name: Deep Creek - Roberts

Client Sample ID: Well #1 - North

Collection Date: 07/29/2024 9:30

Lab Sample ID: 2407611-01

Date Received: 07/29/2024

Analyte	Result	Units	RL	Qual	MCL	Method	Analysis Date/By
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Inorganic

Alkalinity, Total as CaCO3	164	mg/L	10.00			SM 2320 B	07/31/24 09:38/ARE
Calcium	42.4	mg/L	0.20			ASTM D6919-09	08/01/24 14:48/FAF
Chloride	4.20	mg/L	0.25		250	EPA 300.1	07/29/24 19:07/FAF
Conductivity	369	uS/cm	0.10			SM 2510 B	07/30/24 11:33/ARE
Fluoride	0.0938	mg/L	0.02		4	EPA 300.1	07/29/24 19:07/FAF
Hardness	192	mg/L	10.00	H-3		SM 2340 C	07/31/24 11:43/ARE
Iron, Total	4.40	mg/L	0.20			HACH 8008	08/01/24 15:15/TMR
Lithium	ND	mg/L	0.02			ASTM D6919-09	08/01/24 14:48/FAF
Magnesium	22.0	mg/L	0.05			ASTM D6919-09	08/01/24 14:48/FAF
Nitrate + Nitrite as N	0.307	mg/L	0.05		10	EPA 300.1	07/29/24 19:07/FAF
pH	7.74	S.U.	0.10			SM 4500-H+B	07/30/24 11:33/ARE
Phosphate as P	ND	mg/L	0.05			EPA 300.1	07/29/24 19:07/FAF
Potassium	2.87	mg/L	0.35			ASTM D6919-09	08/01/24 14:48/FAF
Sodium	4.01	mg/L	0.20			ASTM D6919-09	08/01/24 14:48/FAF
Sulfate	17.5	mg/L	0.07		250	EPA 300.1	07/29/24 19:07/FAF

Microbiological

Total Coliform	Absent		1.00			SM 9223B	07/30/24 16:25/ARE
E. coli	Absent		1.00			SM 9223B	07/30/24 16:25/ARE

Metals

Arsenic	ND	ug/L	0.50		10	EPA 200.8	08/01/24 21:08/ARE
Copper	ND	ug/L	0.50		1300	EPA 200.8	08/01/24 21:08/ARE
Lead	ND	ug/L	0.50		15	EPA 200.8	08/01/24 21:08/ARE
Manganese	492	ug/L	0.50		300	EPA 200.8	08/01/24 21:08/ARE
Mercury	ND	ug/L	0.10		2	EPA 200.8	08/01/24 21:08/ARE
Uranium, Natural	ND	ug/L	0.50		30	EPA 200.8	08/01/24 21:08/ARE



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Reported:

08/02/2024 10:26

Project Name: Deep Creek - Roberts

Client Sample ID: Well #2 - South
Lab Sample ID: 2407611-02

Collection Date: 07/29/2024 8:30

Date Received: 07/29/2024

Analyte	Result	Units	RL	Qual	MCL	Method	Analysis Date/By
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Inorganic

Alkalinity, Total as CaCO3	114	mg/L	10.00			SM 2320 B	07/31/24 09:57/ARE
Calcium	38.6	mg/L	0.20			ASTM D6919-09	08/01/24 15:20/FAF
Chloride	4.66	mg/L	0.25		250	EPA 300.1	07/29/24 19:27/FAF
Conductivity	279	uS/cm	0.10			SM 2510 B	07/30/24 11:38/ARE
Fluoride	0.164	mg/L	0.02		4	EPA 300.1	07/29/24 19:27/FAF
Hardness	135	mg/L	10.00	H-2		SM 2340 C	07/31/24 12:01/ARE
Iron, Total	5.50	mg/L	0.20			HACH 8008	08/01/24 15:15/TMR
Lithium	ND	mg/L	0.02			ASTM D6919-09	08/01/24 15:20/FAF
Magnesium	10.2	mg/L	0.05			ASTM D6919-09	08/01/24 15:20/FAF
Nitrate + Nitrite as N	1.31	mg/L	0.05		10	EPA 300.1	07/29/24 19:27/FAF
pH	7.91	S.U.	0.10			SM 4500-H+B	07/30/24 11:38/ARE
Phosphate as P	ND	mg/L	0.05			EPA 300.1	07/29/24 19:27/FAF
Potassium	3.11	mg/L	0.35			ASTM D6919-09	08/01/24 15:20/FAF
Sodium	5.65	mg/L	0.20			ASTM D6919-09	08/01/24 15:20/FAF
Sulfate	13.5	mg/L	0.07		250	EPA 300.1	07/29/24 19:27/FAF

Microbiological

Total Coliform	Absent		1.00			SM 9223B	07/30/24 16:25/ARE
E. coli	Absent		1.00			SM 9223B	07/30/24 16:25/ARE

Metals

Arsenic	ND	ug/L	0.50		10	EPA 200.8	08/01/24 21:14/ARE
Copper	ND	ug/L	0.50		1300	EPA 200.8	08/01/24 21:14/ARE
Lead	ND	ug/L	0.50		15	EPA 200.8	08/01/24 21:14/ARE
Manganese	220	ug/L	0.50		300	EPA 200.8	08/01/24 21:14/ARE
Mercury	ND	ug/L	0.10		2	EPA 200.8	08/01/24 21:14/ARE
Uranium, Natural	1.14	ug/L	0.50		30	EPA 200.8	08/01/24 21:14/ARE



Notes and Definitions

Item	Definition
H-2	121 to 180 mg /L of total hardness as calcium carbonate is considered hard water by the Water Quality Association.
H-3	Over 180 mg/L of total hardness as calcium carbonate is considered very hard water by the Water Quality Association.
cfu	Colony Forming Unit
MCL	Maximum Contaminant Level
mg/L	milligrams per liter (ppm)
mL	milliliter
MPN	Most Probable Number
ND	Not Detected
NTU	Nephelometric Turbidity Units
ppb	parts per billion ($\mu\text{g/L}$)
ppm	parts per million (mg/L)
RL	Reporting Limit
S.U.	Standard Units
$\mu\text{g/L}$	micrograms per liter (ppb)
$\mu\text{S/cm}$	microsiemens per centimeter