



BRIDGER ANALYTICAL LAB

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

Four Corners County Water & Sewer District
495 Quail Run Road
Bozeman, MT 59718

Reported:

05/10/2024 09:34

Project Name: Elk Grove May 2024 Water Quality

Client Sample ID: Elk Grove Booster

Collection Date: 05/02/2024 13:00

Lab Sample ID: 2405075-01

Collected By: Colbie burghart

Date Received: 05/02/2024

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

Alkalinity, Total as CaCO3	184	mg/L	10.00			SM 2320 B	05/07/24 15:27/ARE
Calcium	67.3	mg/L	0.20			ASTM D6919-09	05/09/24 15:40/FAF
Chloride	4.30	mg/L	0.25		250	EPA 300.1	05/03/24 15:05/DJA
Conductivity	450	uS/cm	0.10			SM 2510 B	05/03/24 13:54/ARE
Hardness	216	mg/L	10.00	H-3		SM 2340 C	05/06/24 11:03/ARE
Lithium	ND	mg/L	0.02			ASTM D6919-09	05/09/24 15:40/FAF
Magnesium	15.2	mg/L	0.05			ASTM D6919-09	05/09/24 15:40/FAF
pH	7.67	S.U.	0.10			SM 4500-H+B	05/03/24 13:54/ARE
Phosphate as P	ND	mg/L	0.05			EPA 300.1	05/03/24 15:05/DJA
Potassium	2.67	mg/L	0.35			ASTM D6919-09	05/09/24 15:40/FAF
Sodium	4.44	mg/L	0.20			ASTM D6919-09	05/09/24 15:40/FAF
Sulfate	16.6	mg/L	0.07		250	EPA 300.1	05/03/24 15:05/DJA



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Notes and Definitions

Item	Definition
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