



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:
01/31/2022 09:35

Project Name: Northstar-Zoot Jan 2022 Well Testing

Client Sample ID: North Star Booster
Lab Sample ID: 2201355-01

Collection Date: 01/25/2022 11:55
Collected By: Christine Maday

Date Received: 01/25/2022

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

Alkalinity, Total as CaCO3	232	mg/L	10.00			SM 2320 B	01/26/22 11:35/KPM
Calcium	79.1	mg/L	0.50			ASTM D6919-09	01/25/22 21:18/FAF
Chloride	18.4	mg/L	0.15		250	EPA 300.1	01/25/22 19:52/FAF
Conductivity	554	uS/cm	0.10			SM 2510 B	01/25/22 16:43/KPM
Hardness	225	mg/L	10.00	H-3		SM 2340 C	01/29/22 09:56/ZZZ
Lithium	ND	mg/L	0.07			ASTM D6919-09	01/25/22 21:18/FAF
Magnesium	18.9	mg/L	0.20			ASTM D6919-09	01/25/22 21:18/FAF
pH	7.52	S.U.	0.10			SM 4500-H+B	01/25/22 16:43/KPM
Phosphate as P	ND	mg/L	0.07			EPA 300.1	01/25/22 19:52/FAF
Potassium	3.83	mg/L	0.50			ASTM D6919-09	01/25/22 21:18/FAF
Sodium	17.9	mg/L	0.20			ASTM D6919-09	01/25/22 21:18/FAF
Sulfate	23.7	mg/L	0.10		250	EPA 300.1	01/25/22 20:28/FAF



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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