



# 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:**

01/12/2021 11:54

**Project Name: Northstar-Zoot Jan 2021 Testing**

**Client Sample ID: North Star Booster**

**Collection Date: 01/06/2021 9:45**

**Lab Sample ID: 2101049-01**

**Collected By: Christine Maday**

Date Received: 01/06/2021

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

Alkalinity, Total as CaCO3	220	mg/L	10.00			SM 2320 B	01/08/21 13:32/DSL
Calcium	77.6	mg/L	0.50			ASTM D6919-09	01/08/21 16:55/FAF
Chloride	18.2	mg/L	0.15		250	EPA 300.1	01/07/21 19:22/FAF
Conductivity	569	uS/cm	0.10			SM 2510 B	01/08/21 12:12/DSL
Hardness	263	mg/L	10.00	H-3		SM 2340 C	01/11/21 17:23/DSL
Iron, Total	0.03	mg/L	0.02			HACH 8008	01/11/21 15:20/DSL
Lithium	ND	mg/L	0.07			ASTM D6919-09	01/08/21 16:55/FAF
Magnesium	18.3	mg/L	0.20			ASTM D6919-09	01/08/21 16:55/FAF
pH	7.68	S.U.	0.10			SM 4500-H+B	01/08/21 12:12/DSL
Phosphate as P	ND	mg/L	0.07			EPA 300.1	01/07/21 18:46/FAF
Potassium	4.02	mg/L	0.50			ASTM D6919-09	01/08/21 16:55/FAF
Sodium	15.5	mg/L	0.20			ASTM D6919-09	01/08/21 16:55/FAF
Sulfate	25.8	mg/L	0.10		250	EPA 300.1	01/07/21 19:22/FAF



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## Notes and Definitions

<b>Item</b>	<b>Definition</b>
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