



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: Northstar-Zoot May 2024 Water Quality

Client Sample ID: North Star Booster
Lab Sample ID: 2405076-01

Collection Date: 05/02/2024 11:45
Collected By: Colbie Burghart

Date Received: 05/02/2024

| Analyte | Result | Units | RL | Qual | MCL | Method | Analysis Date/By |
|---------|--------|-------|----|------|-----|--------|------------------|
|---------|--------|-------|----|------|-----|--------|------------------|

Inorganic

| | | | | | | | |
|----------------------------|------|-------|-------|-----|-----|---------------|--------------------|
| Alkalinity, Total as CaCO3 | 214 | mg/L | 10.00 | | | SM 2320 B | 05/07/24 15:48/ARE |
| Calcium | 78.4 | mg/L | 0.20 | | | ASTM D6919-09 | 05/09/24 16:13/FAF |
| Chloride | 20.8 | mg/L | 0.25 | | 250 | EPA 300.1 | 05/03/24 15:43/DJA |
| Conductivity | 588 | uS/cm | 0.10 | | | SM 2510 B | 05/03/24 13:59/ARE |
| Hardness | 256 | mg/L | 10.00 | H-3 | | SM 2340 C | 05/06/24 11:15/ARE |
| Lithium | ND | mg/L | 0.02 | | | ASTM D6919-09 | 05/09/24 16:13/FAF |
| Magnesium | 18.3 | mg/L | 0.05 | | | ASTM D6919-09 | 05/09/24 16:13/FAF |
| pH | 7.52 | S.U. | 0.10 | | | SM 4500-H+B | 05/03/24 13:59/ARE |
| Phosphate as P | ND | mg/L | 0.05 | | | EPA 300.1 | 05/03/24 15:25/DJA |
| Potassium | 3.85 | mg/L | 0.35 | | | ASTM D6919-09 | 05/09/24 16:13/FAF |
| Sodium | 18.3 | mg/L | 0.20 | | | ASTM D6919-09 | 05/09/24 16:13/FAF |
| Sulfate | 26.5 | mg/L | 0.07 | | 250 | EPA 300.1 | 05/03/24 15:25/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 |