



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:
03/17/2023 10:30

Project Name: Northstar-Zoot March 2023 Mineral Content

Client Sample ID: North Star Booster
Lab Sample ID: 2303175-01

Collection Date: 03/10/2023 8:15
Collected By: Christine Maday

Date Received: 03/10/2023

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

Inorganic

| | | | | | | | |
|----------------------------|------|-------|-------|-----|-----|---------------|--------------------|
| Alkalinity, Total as CaCO3 | 222 | mg/L | 10.00 | | | SM 2320 B | 03/14/23 13:11/ARE |
| Calcium | 74.8 | mg/L | 0.20 | | | ASTM D6919-09 | 03/16/23 16:42/DJA |
| Chloride | 16.4 | mg/L | 0.25 | | 250 | EPA 300.1 | 03/10/23 17:51/FAF |
| Conductivity | 537 | uS/cm | 0.10 | | | SM 2510 B | 03/10/23 13:26/ARE |
| Hardness | 248 | mg/L | 10.00 | H-3 | | SM 2340 C | 03/13/23 11:19/ARE |
| Lithium | ND | mg/L | 0.02 | | | ASTM D6919-09 | 03/16/23 16:42/DJA |
| Magnesium | 17.0 | mg/L | 0.05 | | | ASTM D6919-09 | 03/16/23 16:42/DJA |
| pH | 7.56 | S.U. | 0.10 | | | SM 4500-H+B | 03/10/23 13:26/ARE |
| Phosphate as P | ND | mg/L | 0.05 | | | EPA 300.1 | 03/10/23 17:51/FAF |
| Potassium | 3.59 | mg/L | 0.35 | | | ASTM D6919-09 | 03/16/23 16:42/DJA |
| Sodium | 15.1 | mg/L | 0.20 | | | ASTM D6919-09 | 03/16/23 16:42/DJA |
| Sulfate | 23.1 | mg/L | 0.07 | | 250 | EPA 300.1 | 03/10/23 18:10/FAF |



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:
03/17/2023 10:30

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 |