



BRIDGER ANALYTICAL LAB

# Analytical Services

7539 Pioneer Way Suite B, 8:30am – 5:00pm, Mon-Thurs  
Bozeman, MT 59718 8:30am – 1:00pm, Fri  
406-582-0822 [BridgerAnalyticalLab.com](http://BridgerAnalyticalLab.com)  
 [BridgerAnalyticalLab](http://BridgerAnalyticalLab)

## (1) Basic Mineral Content \$70

2-3 business days

A basic overview of the minerals dissolved in your water

- Conductivity
- Hardness
- Alkalinity
- pH

## (2) Total Mineral Content \$195

2-3 business days

Learn about the basic chemical properties of your water; useful if you are interested in a water treatment system

- Everything in "(1) Basic Mineral Content" Package plus:
  - Fluoride
  - Chloride
  - Nitrate & Nitrite (N+N)
- Sulfate
- Phosphate
- Calcium
- Magnesium
- Potassium
- Sodium
- Lithium

## (3) Complete Domestic Water \$295

3-5 business days

An extensive analysis of your home's water, including bacteria and harmful trace metals

- Everything in "(2) Total Mineral Content" package plus:
  - Total Coliform & E. Coli bacteria
  - Arsenic, Lead, Uranium, Copper, Manganese, and Mercury.
  - Iron (total)

## (4) The "Everything" \$575

6-8 business days

A comprehensive analysis, involving the majority of important and harmful analytes

- Everything in "(3) Complete Domestic Water" package, plus:
  - Turbidity
  - Total dissolved solids (TDS)
  - Ammonia (NH<sub>3</sub>)
  - Total Phosphorus (TP)
  - Total Nitrogen (TN)
  - Organic Nitrogen
- All Metals in the Trace Metals Table

## (5) Agriculture and Irrigation \$395

6-8 business days

Recommended for those curious about what is in their surface water, learn about the nutrient content of the water for your plants, crops, and animals

- pH
- Alkalinity
- Hardness
- Conductivity
- Chloride
- Fluoride
- Sulfate
- Phosphate
- Nitrate & Nitrite (N+N)
- Calcium
- Magnesium
- Potassium
- Sodium
- Lithium
- Total Coliform bacteria (count)
- E. Coli bacteria (count)
- Sodium absorption ratio (SAR)
- Iron (total)
- Total Phosphorous (TP)
- Total Nitrogen (TN)
- Ammonia (NH<sub>3</sub>)
- Organic Nitrogen



## TRACE METALS (ICP-MS)

Aluminum	Cobalt	Strontium
Antimony	Copper	Thallium
Arsenic	Lead	Tin
Barium	Manganese	Titanium
Beryllium	Mercury	Uranium
Boron	Molybdenum	Vanadium
Cadmium	Nickel	Zinc
Chromium	Selenium	

*\*More metals may be available upon inquiry.*

## (6) Iron Related Bacteria (IRB) \$130

3-10 business days

Measures the necessary analytes involved with IRB, which often leave red slimes, rust-colored stains on fixtures, and smell like a sewer vent

- Iron-related bacteria (IRB)
- Total dissolved solids (TDS)
- Iron (total)
- pH
- Hardness
- Conductivity

## (7) Sulfate Reducing Bacteria (SRB) \$135

3-10 business days

Measures necessary analytes involved with SRB, which often leave black residue/ stains, and smell like rotten eggs

- Sulfate-reducing bacteria (SRB)
- Total dissolved solids (TDS)
- Sulfate
- pH
- Hardness
- Conductivity

## (8) Standard Home Loan \$85

2-5 business days

Analyses commonly required for home loans

- Lead
- Nitrate & Nitrite (N+N)
- Total Coliform & E. Coli bacteria
- Arsenic can be added for an additional \$20

• **Filtration and Digestion fees** may be necessary due to variance in sample composition, as some samples may require additional preparation (and costs) prior to analysis.

• **Listed turnaround times** are approximate and depend on day of the week, workload, and routine processing schedule.

• **Rush Analyzes** are available with a minimum 50% increase in cost on the order total and must be approved by lab staff before guarantee of delivery.

• **Listed prices** are effective as of January 1<sup>st</sup>, 2023.



Established in 2007, Bridger Analytical Lab provides independent, quality controlled, analytical services for both public and private domestic water testing. We are state and EPA-certified for our public drinking water analytes. Thus you can be assured that our results are correct and meet federal and state specifications. Our laboratory specializes in microbiological and inorganic analyses of water. We offer complete water testing support. We are proudly locally owned and operated in Bozeman, Montana.

## What can you tell me about my water?

We specialize in aqueous analytical chemistry and microbiology. Our analytical packages range from simple to complex and thorough. Feel free to call us, or stop by and discuss your specific water questions. We can inform you about the harmful and significant microbiological and inorganic analytes in your water.

## Why is it important to test my water?

Ground and surface water sources change seasonally with spring runoff and other hydrological events. If you get your drinking water from a well, it is important to check your water at least twice a year for bacterial contamination (Total Coliform and E. Coli). If you've noticed any weird smell or taste to your water, it's important to have it checked for the safety of people (and pets) drinking it.

Also, many harmful inorganic analytes in water are completely tasteless and odorless, for example: arsenic, lead, uranium, and nitrates (just to name a few). Additionally, there are several analytes in water that do not necessarily harm humans, but do damage pipes, water heaters, softeners, and sinks.

Overall, for the safety of you and your home, a thorough water test should be performed periodically.

## INDIVIDUAL ANALYSIS PRICES

### Inorganics

Anions	
Chloride	\$30
Fluoride	\$30
Nitrate+Nitrite	\$30
Phosphate	\$30
Sulfate	\$30
<b>Cations</b>	
Calcium	\$25
Lithium	\$25
Magnesium	\$25
Potassium	\$25
Sodium	\$25

### Inorganic Disinfectants

Bromide	\$55
Bromate	\$55
Chlorate	\$55
Chlorite	\$55
<b>Other</b>	
Turbidity	\$22
Alkalinity	\$24
Conductivity	\$18
Hardness	\$24
pH	\$17
Total Dissolved Solids (TDS)	\$22
Iron (total)	\$24

### Microbiologicals

Total Coliform/E. Coli (Presence/Absence)	\$30
Iron Related Bacteria (IRB)	\$68
Sulfate Reducing Bacteria (SRB)	\$68
Heterotrophic Plate Count (HPC)	\$68
Slime Forming Bacteria (SFB)	\$68
Total Coliform & E. Coli bacteria (count)	\$70

**Rush Analyses** are available with a minimum 50% increase in cost on the order total, and must be approved by lab staff before guarantee of delivery.

### Waste/Irrigation/Agricultural.

Biological Oxygen Demand (BOD)	\$60
Chemical Oxygen Demand (COD)	\$36
Total Suspended Solids (TSS)	\$19
Total Phosphorus (TP)	\$25
Total Solids (TS)	\$25
Nitrogen, Total (TN)	\$40
-Nitrate & Nitrite (N+N)	\$30
-Ammonia (NH <sub>3</sub> )	\$25
-Total Kjeldahl Nitrogen (TKN) (calc)	\$5
-Organic Nitrogen (calc)	\$5

## TRACE METALS (ICP-MS)

Aluminum	Beryllium	Cobalt	Mercury	Strontium	Uranium
Antimony	Boron	Copper	Molybdenum	Thallium	Vanadium
Arsenic	Cadmium	Lead	Nickel	Tin	Zinc
Barium	Chromium	Manganese	Selenium	Titanium	<i>*More metals may be available upon inquiry.</i>

*First 5: \$28 each. Next 5: \$14 each. 11 & after: \$7 each. Pricing is per sample. Multiple-sample pricing differs. All for \$275*

## How do I have Bridger Analytical Lab test water?

1. Visit our lab during business hours, and we will give you the bottles appropriate for the analyses you would like performed on your water.
2. Follow our directions to properly collect your water sample.
3. Bring the sample back within 24 hours, preferably the same business day you collect it.
4. You will receive an email with a PDF report in a few days, depending on your chosen analyses. Feel free to call or email us if you have any questions about your report.