

Potability Sampling Instructions

STOP!! US military veterans with a VA loan: As of January 2014, the VA requires samples to be collected by an uninterested party for the purchase or sale of a home under a VA loan. Neither you, your family, friend, neighbor, realtor, loan officer nor title company are allowed to collect this sample. Please call WAL at the phone number below to arrange for sample collection, or call your local well drilling company or building contractor.

Select a faucet or spigot that is connected directly to the well and does not pass through a water heater, filtration system, water softener, cistern or storage tank.

Before sampling remove the aerator or screen from the faucet. Scrub to remove loose debris. If the faucet is metal, run a flame around the rim. If the faucet is plastic, sterilize with rubbing alcohol or a bleach/water solution. Let the water run for 2 to 3 minutes.

You have three bottles.

- **The small clear bottle** (which may contain powder or a small tablet) is for bacteriological testing and is sterile. **Do not open it until ready to use. Once open, take care not to contaminate** the inside or the lid of the bottle, especially with your fingers. **Fill to the 100mL line.** Close immediately. (More detailed instructions are on the next page.)
- **Fill the second and third bottles to the neck.** Cap tightly.

Remember to mark all sample bottles with the date, time and location sampled.

Fill out the Chain of Custody form. Completed paperwork must accompany all samples. **We require payment at the time of service**, so please include payment with your paperwork, or make arrangements at the time of submittal. Checks should be made out to "Wyoming Analytical Laboratories." At our Laramie facility, WAL also accepts Visa and MasterCard.

Return samples to the laboratory as soon as possible. Accurate bacteriological results cannot be assured if a sample is more than 24 hours old when tested.

If you ship your samples, please place all paperwork in a plastic bag to help prevent damage in case of spills. Check that all bottles are tightly capped. We recommend shipping via UPS Ground in south-east Wyoming to assure timely delivery to the laboratory.

Wyoming Analytical Laboratories accepts water samples for chemical and coliform bacteria testing from **8:00am Monday through Thursday before 2:00pm**. Water samples received on Friday are subject to additional cost.

Standard turn-around-time is 5 working days.

Note: Lending Institutions that require potability testing generally request the "Group 1" chemical tests and a Coliform Bacteria test. Some lenders require a Lead & Copper test, especially if the home was built before 1976. Check with your lender to see if either is needed.

Kits may be dropped off for analysis at either of the following locations.

Wyoming Analytical Laboratories, Inc.

1660 Harrison Street
Laramie, WY 82070
307-742-7995
Fax: 307-721-8956

625 Center Street
Rock Springs, WY 82901
307-362-3176
Fax: 307-362-3581

Instructions for Water Sample Collection for Determination of Total Coliforms and e. coli

For sampling chlorinated water, sterile sample bottles contain a white powder or tablet, sodium thiosulfate ($\text{Na}_2\text{S}_2\text{O}_3$) that neutralizes chlorine. Do not rinse out the bottle.

Equipment Necessary for Sample Collection:

1. 120mL sterile sampling bottles containing $\text{Na}_2\text{S}_2\text{O}_3$ tablet or powder
2. Labels
3. Chain of Custody forms (COC)
4. Re-sealable plastic bags
5. Insulated cooler (shipping only)
6. Packaged frozen refrigerants (Blue Ice, gel ice packs, etc.) (shipping only)

General Instructions:

1. Wear latex gloves while sampling
2. Handle all samples with care
3. Avoid touching face, mouth, eyes or nose with hands while sampling
4. Wash hands when sampling is completed

Sample Collection:

1. Select the cold water tap that receives water from a service pipe directly connected to the well, rather than from a water heater, softener system, filtration system, cistern or storage tank.
2. Remove filter or aerator attachments from faucet or pump. **Do not sample from leaky faucets** or faucets that allow water to flow outside the tap.
3. If tap cleanliness is questionable, clean with a bleach solution (2 teaspoons/gallon water) or rubbing alcohol before sampling. Run water for approximately 2 minutes.
 - a. For wells with hand pumps, pump for approximately 5 minutes before sampling.
 - b. For open wells, slowly lower bottle into well and allow water to seep into bottle without washing out the $\text{Na}_2\text{S}_2\text{O}_3$. Avoid collecting any surface scum.
4. Slowly fill sample bottle to 100mL line without touching the faucet or pump. Be careful not to splash out the $\text{Na}_2\text{S}_2\text{O}_3$.
5. Cap bottle tightly.
6. Complete the label.
7. Collect additional samples.
8. Place sample(s) with frozen refrigerant in cooler (shipping only).
9. Complete COC form, and place in re-sealable plastic bag. Keep COC with samples (If shipping, place bag in cooler).
10. Keep drinking water samples below 10°C during transit to laboratory.
11. Analysis must begin within 24 hours of collection.

For Surface Water:

1. Collect the sample by holding the bottle near its base.
2. Lower into the water with the opening facing the current, or, in the absence of a current, push the bottle slowly forward and fill to the 100mL line.
3. When sampling from shallow waters (streams, springs, seeps) avoid solid matter.

Analytical Service Request for Potability Samples

Wyoming Analytical Laboratories, Inc.

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1660 Harrison Street
Laramie, WY 82070
307-742-7995
Fax: 307-721-8956

625 Center Street
Rock Springs, WY 82901
307-362-3176
Fax: 307-362-3581

Note: Results will only be furnished to the persons or businesses who appear on this service request.
Copies will not be issued to a third party without written authorization.

Main Recipient Contact Information		Other Recipient Contact Information	
Name:		Name:	
New Property?: Yes No	New Well?: Yes No	Company:	
Address:		Address:	
City,ST,Zip:		City,ST,Zip:	
Phone:	Fax:	Phone:	Fax:
Email:		Email:	
Results by: Email / Fax / No Report Needed		Results by: Email / Fax / No Report Needed	

Sampling Location: _____ <---- include address and faucet/spigot/wellhead etc.

Sampler's Signature: _____ Date/Time Sampled: _____

Analysis: (when submitted Monday through Thursday before 2pm *)

Group 1	@	\$130.00	Human Consumption	=	_____
Group 2	@	\$105.00	Agriculture	=	_____
Group 3	@	\$85.00	Livestock	=	_____
Coliform Bacteria **	@	\$42.00	MPN - Rock Springs	=	_____
Coliform Bacteria **	@	\$40.00	Pass/Fail - Laramie	=	_____
Lead / Copper (circle choices)	@	\$22.00 ea.		=	_____
Surfactants	@	\$45.00	Baseline analysis	=	_____
Oil & Grease	@	\$100.00	Baseline analysis	=	_____
Total Organic Carbon	@	\$50.00	Post-Baseline check	=	_____
other _____	@	_____		=	_____
				Amount Due	= _____
				Amount Paid	= _____

Payment Method: (Laramie Only) Credit Cash CK# _____

Signature: _____

Date: _____

* An additional fee will be charged for samples brought in on an unscheduled day.

** Coliform samples require a sterilized container. Potability Kits with instructions are available at no charge.

STANDARD TURNAROUND TIME IS 5 WORKING DAYS

Non-Standard Turnaround Times: Coliform samples cannot be analyzed on a same-day basis.

1 working day - add 100%	2 working days - add 50%
3 working days - add 30%	4 working days - add 15%

Note: Acceptance of any sample requiring a turn-around-time other than the standard is at the discretion of Wyoming Analytical Laboratories, Inc and is based on the work load of samples currently in-house.

Please make copies of this form to accompany drinking water samples submitted to WAL for analysis.

Potability & Well Water Testing

Sample kits with documentation and instructions are available for pickup at the lab free of charge, or call 307-742-7995 in Laramie or 307-362-3176 in Rock Springs to receive one by mail.

Well water samples should be kept cool and delivered to the lab within 24 hours of collection and must be received before 2:00 pm Monday through Thursday in order for these prices to be effective.

	EPA Method	Price
Well Water Analysis		
Group 1* – Human Consumption		\$130.00
Group 2* – Agriculture		\$105.00
Group 3* – Livestock		\$85.00
Recommended Baseline Analysis – Group 1, Surfactants, Oil & Grease		\$275.00
Surfactants (colorimetric methylene blue – MBAS)	SM5540C mod	\$45.00
Oil & Grease Baseline (n-Hexane extraction)	1664	\$100.00
TOC water – Total Organic Carbon (used as a post-Baseline check)	415.1	\$50.00
Copper potability	6020	\$22.00
Lead potability	6020	\$22.00
1 st & 2 nd Draw Lead & Copper	6020	\$72.00
Group 1 Cations only – Calcium, Iron, Magnesium, Sodium, Potassium	6010	\$40.00
Group 1 Anions only – Fluoride, Chloride, Nitrite, Nitrate, Sulfate	300.1	\$40.00
Group 1 Cation/Anion Balance (includes Grp1 Cations/Anions & Alkalinity)	6010, 300.1, 310.1	\$95.00
Conductivity (Specific Conductance)	120.1	\$14.00
Hardness – calculated (includes Calcium & Magnesium)	130.1	\$25.00
pH	SM4500pH ⁺ / 150.1	\$14.00
Bacteriological Analysis		
Manufacturer		
Sample received on Friday (results on Saturday)		\$20.00
Total Coliform & <i>e. coli</i> Pass/Fail – Laramie only	ReadyCult	\$40.00
Failure – 2 nd run sample fee	ReadyCult	\$33.00
Total Coliform & <i>e. coli</i> MPN – Rock Springs only	Quanti-Tray	\$42.00
Fecal Coliform MPN – Rock Springs only	SM 9222D	\$45.00
Heterotrophic Plate Count	IDEXX SimPlate	\$55.00
BART: Biological Activity Reaction Test		
APB – Acid Producing Bacteria	Droycon Bioconcepts	\$33.00
SRB – Sulfur Reducing Bacteria	Droycon Bioconcepts	\$33.00
IRB – Iron Reducing Bacteria	Droycon Bioconcepts	\$33.00
HAB – Heterotropic Aerobic Bacteria	Droycon Bioconcepts	\$33.00
Other		
Sample Collection (include driving time)		\$50.00 per hour
Mileage		\$0.60 per mile

*Group 1 Potability Test for Human Consumption – Calcium, Iron, Magnesium, Sodium, Potassium, Hardness, Total Dissolved Solids, Conductivity, pH, Bicarbonate, Carbonate, Fluoride, Chloride, Nitrite, Nitrate, Sulfate

*Group 2 Potability Test for Agriculture – Calcium, Magnesium, Sodium, Hardness, Total Dissolved Solids, pH, Nitrate, Sulfate

*Group 3 Potability Test for Livestock – Calcium, Magnesium, Sodium, Hardness, Total Dissolved Solids, Nitrate, Sulfate