

CHEMISTRY / RADIOLOGICAL DRINKING WATER ANALYSIS REQUEST FORM (Public and Private Water Systems)

PUBLIC WATER SYSTEMS (PWS): PLEASE COMPLETE ALL APPLICABLE INFORMATION TO ENSURE COMPLIANCE. ALL FIELDS IN BOLD PRINT SHOULD BE FILLED.



**State of Idaho
Bureau of Laboratories
2220 Old Penitentiary Rd.
Boise, ID 83712
208-334-2235
EPA No. ID00018**

PWS/Client Name:		PWS #: <small>(If Applicable)</small>	
Attention:		Phone #:	
Mailing address for final report and invoice:		City:	State: Zip:
Email:		Fax:	
Collector: <small>(If different than above)</small>		Additional Contact Phone #:	
Additional copy of report sent to (Name):			
Mailing address for additional report copy:		City:	State: Zip:
Date Collected:		Time Collected: (24 hour clock)	
Sample ID:		Sample Location (Address):	
Sample Type: RT – Routine Sample RP – Repeat Sample CO – Confirmation SP – Special DU – Duplicate Other: _____			

PRIMARY INORGANIC

Phase II

- Barium
- Cadmium
- Chromium
- Mercury
- Selenium

Phase V

- Antimony
- Beryllium
- Nickel
- Thallium

Other

- Arsenic
- Cyanide
- Fluoride
- Nitrate as N
- Nitrite as N
- Sodium

SECONDARY INORGANIC

- Alkalinity
- Aluminum
- Ammonia as N
- Calcium
- Chloride
- Conductivity
- Copper
- Corrosivity
- Hardness
- Hydrogen Sulfide
- Iron
- Lead
- Magnesium
- Manganese
- Nitrate + Nitrite
- Orthophosphate as P
- pH
- Potassium
- Silica
- Silver
- Sulfate
- Surfactants
- Total Dissolved Solids (TDS)
- Turbidity
- Zinc

ORGANIC/Disinfection Byproducts

Organic Contaminants

- VOC- EPA 524.2
- EDB & DBCP – EPA 504.1
- Chlorinated Pesticides – EPA 508.1
- Herbicides – EPA 515.4
- Semi-Volatiles – EPA 525.2
- Carbamates – EPA 531.2
- Glyphosate – EPA 547
- Endothall – EPA 548.1
- Diquat – EPA 549.2

Disinfection Byproducts

- Total TTHMs– EPA 524.2
- HAA5- EPA 552.2
- Bromate – EPA 300.1
- Chlorite – EPA 300.1

Client Comments / Other Analyses

RADIOLOGICAL

- Gross Alpha
- Gross Beta
- Radium 226
- Radium 228
- Uranium

Chain of Custody Information – When Required by Submitter

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
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Other side of this form contains instructions on sample collection and paperwork labeling



Find forms and lab fees online at <http://www.statelab.idaho.gov>; select 'Environmental Testing.'

CHEMISTRY / RADIOLOGICAL DRINKING WATER ANALYSIS REQUEST FORM (Public and Private Water Systems)

Paperwork & Laboratory Information

1. **This form must be completed and submitted for each individual sample requiring analysis.**
Complete the top portion completely to ensure that proper credit is received for compliance monitoring and accurate customer information is received by Idaho Bureau of Laboratories (IBL). All information must be legible.
2. Samples must be collected and preserved in the appropriate manner for the specific test(s) requested. Samples collected inappropriately will be rejected by IBL.
3. Clearly label all sample containers with the water system name, sample location, date, time, and collector. Ensure that the same sample location is used on both the sample containers and this form.
4. Clearly check the testing services you are requesting to be performed. IBL does not know the specific required testing for an individual customer's circumstance. Refer to your regulatory agency for guidance on specific analyses required.
5. Please fill out an IBL Evidence Receipt Form if you require the sample to be handled as evidence for criminal or civil litigation.
6. Public Water System submittals will have a final report sent automatically to the appropriate regulatory agency. If you wish a third party to receive a copy of the report, please enter the name of the person and mailing address in the designated field.
7. The following analytical tests are subcontracted by IBL: Gross Alpha, Beta, Radium 226, Radium 228, and Chlorinated Pesticides EPA 508.

Sample Collection & Handling

1. Contact IBL for sample collection containers. When testing for organics, due to the nature of some possible target contaminants, do not use rubber hoses or tubing as they are potential sources of contamination. Tygon or Teflon tubing is an acceptable substitute for rubber hoses.
2. Some sample containers provided by IBL contain a chemical preservative. DO NOT pour or rinse this preservative out of the container prior to collecting the sample. It is intended to assist in providing more accurate results. Be cautious to not get any of the preservative on you. Containers will be labeled with the preservative they contain. Pay special attention to avoid contact with acid preservatives like hydrochloric, nitric and sulfuric acid. If you do come into contact with these liquids, thoroughly rinse and wash your exposed skin. On request, IBL will provide you with Safety Data Sheets for containers that have potentially harmful chemicals. Although preservative materials are generally harmless, any chemical can cause adverse reactions in some circumstances.
3. Fill all sample containers completely. Containers issued for the requested analyses are designed to provide IBL with appropriately preserved samples as well as necessary sample volumes.
4. Sample containers for **VOC analysis (small 40 mL amber vials with hydrochloric acid)** must be filled so that no air remains in each container after filling and closing. Invert VOC sample containers when filled and closed to see if an air bubble is visible. If a bubble is present, open the container and "top-off" with additional water, then close again and verify no air bubbles remain.
5. **Drinking Water Sample Collection** – Samples intended for Safe Drinking Water Act compliance monitoring must be collected from an Idaho Department of Environmental Quality (DEQ)-approved sampling location. Contact your regulatory agency for the appropriate collection location.
6. **Keep samples containers on ice or refrigerated, between 2-6°C for most samples, prior to bringing to IBL. Return samples to IBL as soon as possible after collection. Nitrate, nitrite, turbidity and Ortho-P must be completed within 48 hours of sample collection, and pH immediately.**

Additional information for well water safety can be found at

<http://www.healthandwelfare.idaho.gov/Health/EnvironmentalHealth/WellWater/tabid/1128/Default.aspx>.

Additional sample submission documents and fees charged by the state laboratory may be found at

<http://www.statelab.idaho.gov> ; select 'Environmental Testing' for submission forms

Please contact IBL with any questions at 208-334-2235.