

**North Carolina State Laboratory of Public Health  
 Department of Health and Human Services  
 306 N. Wilmington St. – P.O. Box 28407, Raleigh, NC 27611-8047**

**INORGANIC CHEMICAL ANALYSIS**

**Complete All Items – Please Print Clearly  
 Read Instructions on Reverse Side Prior to Sample Collection**

\*Indicates Required Fields

\*Name: \_\_\_\_\_

\* Address: \_\_\_\_\_

\*City: \_\_\_\_\_ ZIP: \_\_\_\_\_

County Health  
 Dept./State Agency: \_\_\_\_\_

(Sample results must be reported to Health Dept. or State Agency)

\*Report To: \_\_\_\_\_

\*Address: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_ ZIP: \_\_\_\_\_

\*Collected By: \_\_\_\_\_

\*Date Collected: \_\_\_\_\_ \*Time: \_\_\_\_\_ AM  
 \_\_\_\_\_ PM

Location of Sampling Point: \_\_\_\_\_

Source of Water  
 Well  
 Community/Municipal  
 Other

Type of Sample  
 Raw  
 Treated

Type of Treatment: \_\_\_\_\_  
 \_\_\_\_\_

Sample Category  
 Regular Parameter Only  
 Optional Parameters Only  
 Both

**FOR LAB USE ONLY**

Received by: \_\_\_\_\_  
 Mail  
 Courier  
 Walk In

Place a check in the box to request analyses for all parameters in the group or select individual parameters by circling the parameter(s) that is desired.

**Regular Parameters Group**

- pH
- Alkalinity
- Fluoride
- Chloride
- Calcium
- Magnesium
- Total Hardness
- Manganese
- Lead
- Arsenic
- Copper
- Iron
- Zinc

**Additional Metals Group**

- Cadmium
- Chromium
- Mercury
- Selenium
- Silver
- Barium

**Optional Parameters**  
 (List Optional Parameters Below\*)

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

\*Contact Environmental Inorganic Chemistry @ 919-733-7308 for information on optional parameters. Nitrate/Nitrite analysis require a separate sampling kit.

**Laboratory Use Only**

**PURPOSE:** Provide instructions for collecting and submitting a private well water sample for Inorganic Chemical Analysis to the State Laboratory of Public Health.

### **DIRECTIONS FOR SAMPLE COLLECTION AND SHIPMENT**

Using a typewriter or ball point pen, fill in all requested information on the top portion of this form. Please print legibly.

This kit contains a cardboard mailer, a one-quart plastic container, a submittal form and a mailing label.

- 1) Remove the one-quart plastic container and inflate by mouth, if uninflated.
- 2) Let the water (to be sampled) run for five minutes to ensure that the water is from the distribution system.
- 3) Rinse the plastic container two or three times, and discard the water.
- 4) After rinsing, fill the container to within approximately one inch of the top and securely cap the container.
- 5) Place the container along with this completed form in the cardboard mailer.
- 6) Seal the box and ship immediately to the State Laboratory using the supplied mailing label.

**Note:** Nitrate and Nitrite samples require a special kit (available from Laboratory Mailroom). Do not request nitrate and nitrite as optional parameters with this kit.