

# NELSON ANALYTICAL LAB



103 Monadnock Highway  
Swanzey, NH 03431

National Environmental Lab Accreditation Program #NH1007  
VT-1007-04, M-NH1013, EPA Lab ID NH01013

phone (603) 357-2577

## Residential Chain of Custody rev. 11, 10/2/2023

<i>Reporting / Billing Information:</i>		
Name/Business _____	Phone _____	Fax/Email _____
Address _____	City/State _____	Zip _____
Additional parties authorized to receive results:		

<i>Sample Information:</i>	
Type of water: <input type="checkbox"/> Drinking water <input type="checkbox"/> Recreational/swimming water <input type="checkbox"/> Other _____	
Sampled By: _____	Is the water system chlorinated or has it been
Date & Time Sampled: _____	disinfected in the past week? <input type="checkbox"/> Y or <input type="checkbox"/> N
Address / Location of Sample Collection:	
Source of water: <input type="checkbox"/> Kitchen faucet; <input type="checkbox"/> Bathroom faucet; <input type="checkbox"/> Holding tank; <input type="checkbox"/> Pond/lake; <input type="checkbox"/> Other _____	

Indicate analysis/analyses requested: Sampling instructions are on the back of this form

- ( ) **Bacteria: Total coliform and E. coli bacteria** ..... **\$40.00**  
     Requires a sterile container  
     *Note:* Bacterial analyses are reported as Present or Absent. A colony count is available for an additional \$10.  
     [ ] Check here to request a colony count
- ( ) **Standard Exam: Total coliform and E. coli bacteria, pH, iron, manganese, sodium, hardness, nitrate and chloride**..... **\$80.00**  
     Requires a sterile container and a mineral container
- ( ) **Comprehensive Exam: Standard Exam with alkalinity, conductivity, nitrite, fluoride, arsenic, lead and copper**..... **\$150.00**  
     Requires a sterile container and a mineral container
- ( ) **FHA/VA/Rural Development Loan Exam: Bacteria, nitrate, nitrite, and lead**..... **\$100.00**  
     Requires a sterile container and a mineral container
- ( ) **Food Service License: Bacteria, nitrate, and nitrite**..... **\$70.00**  
     Requires a sterile container and a mineral container
- ( ) **Arsenic** Requires a mineral container..... **\$35.00**
- ( ) **Radon** Requires a 40ml vial..... **\$40.00**
- ( ) **Other Analyte(s):** \_\_\_\_\_ **\$**\_\_\_\_\_

All analyses except bacteria are performed at our parent laboratory, Nelson Analytical Lab, NH ELAP Lab ID 1005.

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*FOR OFFICE USE:*

DATE REC'D: \_\_\_\_\_ TIME REC'D: \_\_\_\_\_ RED'D BY: \_\_\_\_\_

CONTAINERS: TC \_\_\_ MIN \_\_\_ 40ml \_\_\_ 40ml w HCl \_\_\_ L&C \_\_\_; RECEIPT TEMP: \_\_\_\_\_ °C; ON ICE: Y / N; COOLER: Y / N

REC'D VIA:    DROP OFF / MAIL / RECEIPT FRIDGE / EAI PICK UP

SAMPLE#: \_\_\_\_\_ PAYMENT REC'D: \_\_\_\_\_



## READ BEFORE COLLECTING YOUR WATER SAMPLE

### PLEASE NOTE:

- > Payment is due when submitting your sample to the laboratory  
Make checks payable to: Nelson Analytical Labs.
- > A report of the results will be mailed to you within two to four business days of sample receipt.
- > Business hours are from 8:00am to 5:00pm.
- > Nelson Analytical Labs' Sample Acceptance Policy can be found on our website, [www.eai-labs.com](http://www.eai-labs.com)

### LEAD AND COPPER SAMPLING PROCEDURE:

- > If concerned with lead and copper in the water from the plumbing system, which is the most common source, a separate container is required for a 'first draw' or 'stagnant' sample. A first draw sample is collected *immediately* upon turning on the faucet. Any clean container can be used for the stagnant lead and copper sample.
- > The water should be stagnant for 6-10 hours prior to sampling, typically first thing in the morning.
- > Water is collected in the 500ml or larger sample container that can be requested from the lab. Any clean plastic container can be used if rinsed several times with the water to be sampled.
- > Sample from the faucet that is routinely used for consumption.
- > Clearly indicate the requested analysis, sample site, data and time on the bottle.
- > Refrigerate samples prior to delivering them to the lab.

### BACTERIA SAMPLING PROCEDURE:

- > Water is collected in the sealed sterile container. The container should remain sealed until the sample is taken.
- > If the well has recently been disinfected, be sure the chlorine has been discharged from the system. Select a clean indoor cold-water faucet, preferably without a swivel or a mixing valve (separate hot/cold knobs, or turn off the hot water with the shut-offs under the sink).
- > Remove all faucet devices, i.e. aerators, gaskets and point-of-use filters.
- > Clean the faucet rim with an alcohol wipe or a 50% bleach solution. Flaming can also ensure a clean faucet (be certain there are no plastic or rubber washers on the faucet). Sterilizing the faucet rim prevents false contamination of the sample.
- > Run the faucet for a few minutes and then reduce the flow so as to minimize splashing and carefully fill the sample bottle to its shoulder (a minimum of 100mL must be collected to perform the analysis).
- > Refrigerate samples prior to delivering them to the lab. Transport samples on ice.
- > If mailing: Collect sample prior to mail pickup at your post office (use Next Day service, not Priority).
- > BACTERIA SAMPLES SHOULD BE ANALYZED WITHIN 30 HOURS OF COLLECTION

### STANDARD/COMPREHENSIVE EXAM AND ARSENIC SAMPLING PROCEDURE:

- > You do not have to be concerned with bacterial contamination when sampling for the mineral / inorganic parameters.
- > Water is collected in the 500mL mineral bottle.
- > The sample can be collected after the collection of the bacteria sample or after flushing the cold water tap.
- > Refrigerate samples prior to delivering them to the lab.

### RADON AND VOC SAMPLING PROCEDURE:

- > Use the 40mL glass vial.
- > Remove the aerator and run the cold water for at least five minutes prior to collecting the sample.
- > Reduce the flow and slowly fill the vial until the water 'mounds' over the rim of the vial. It is imperative that there are no air bubbles.
- > Upon capping the vial, hold it upside down and verify that there are no bubbles. If a bubble is observed, open the vial and top it off.
- > Refrigerate samples prior to delivering them to the lab.