



# Wampanoag Environmental Laboratory

Street Address

Herring Creek Rd.  
Aquinnah, MA 02535

Mailing Address

20 Black Brook Rd.  
Aquinnah, MA 02535

Phone: 508-645-2903

Fax: 508-645-3233

Email: wtghalaboratory@comcast.net

**Samples accepted Monday-Thursday 9:00 AM-4:00 PM**

## **Instructions:**

You have picked up the sterile bottle. This sterile container is needed to reduce the frequency of false positive results on the bacterial tests. Please observe the following precautions to ensure that the container is not accidentally contaminated.

- If the lid is not on tightly, please get another container.
- Do not remove the lid until you are ready to collect the sample.
- Fill the container only once, do not fill and dump and fill.
- Screw the lid on tightly after collecting the sample.
- If you drop the container or the lid during collection of the sample, consider getting another sterile container to avoid accidental contamination OR make mention of this when you deliver the sample to the laboratory.
- Bottles may contain a white powder. Its presence is normal and helps in the accuracy of analysis

## **BEFORE FILLING THE CONTAINER:**

- Remove any screens and aerators from the faucet
- Thoroughly clean the faucet, preferably with rubbing alcohol or bleach. The bathroom sink is the faucet of choice, if that is unavailable the kitchen sink is the next best choice.
- Run the cold water for five minutes or longer.

- Fill the sample container completely
- Fill out the label as completely as possible and re-affix the label to your sample bottle (please be sure to include mailing address and any other pertinent information)
- If you are unable to deliver the sample right to the Lab, please keep it in a refrigerator. The sample must be delivered to the lab within 24 hours after collection

## **Directions to the lab:**

The Wampanoag Environmental Laboratory is located off State Road in Aquinnah. It is the second driveway on the right after the AQUINNAH town sign.

Please bring your sample to the Lab before 4:00 PM on the same day you collect the sample. No Friday samples will be accepted.

In the case of special circumstances or emergency samples, confirm with the lab ahead of time if your sample can be accepted

We will mail, email or fax you a written report within two weeks of receiving your water sample.

## Residential Drinking Water Packages

<b>Package A</b> ..... Total Coliform Bacteria/E.coli, Conductivity, pH, Total Dissolved Solids, Inorganics (Nitrate, Phosphates, Sulfate) Copper and Iron	Package Price \$60
<b>Package B</b> ..... Total Coliform Bacteria/ E.coli, Conductivity, pH, Total Dissolved Solids, Inorganics (Nitrate, Nitrite, Phosphates, Sulfate, Ammonia) Total Hardness, Sodium, Copper, and Iron	Package Price \$95
<b>Package C</b> ..... Total Coliform Bacteria/ E.coli, Conductivity, pH, Total Dissolved Solids, Inorganics (Nitrite, Nitrate, Phosphates, Sulfate, Ammonia) Total Hardness, Sodium, Copper, Iron, Arsenic, and Lead	Package Price \$120

### What tests should I have done?

Useful tests are available to help determine the health and safety of a water supply, and the performance of a water treatment system. We offer 3 residential drinking water packages for a comprehensive look at your well water.

- For annual regular testing, **Package A** is generally sufficient.
- If you are experiencing water discoloration, bad odors and/or strong taste from your faucet, you should consider **Package B or C** for a more complete picture of what is in your well.
- For new construction or a newly purchased home, **Package C** is your best bet in order to have baseline data for your well.

### What do these parameters tell us?

- **Basic water potability**  
Include tests for coliform bacteria, nitrates, pH, sodium, chloride, fluoride, sulphate, iron, manganese, total dissolved solids, and hardness.
- **Coliform bacteria**  
Indicate the presence of microorganisms in the water that are potentially harmful to human health.
- **Nitrate**  
A common contaminant found mainly in groundwater. High nitrate concentrations can be particularly dangerous for babies under six months, since nitrate interferes with the ability of blood to carry oxygen.

- **Ions**  
Ions such as sodium, chloride, sulphate, iron, and manganese can impart objectionable taste or odor to water.
- **Sulfate**  
Excessive amounts of sulfate can have a laxative effect or cause gastrointestinal irritation.
- **Total Dissolved Solids**  
Represent the amount of inorganic substances (i.e. sodium, chloride, sulphate) that are dissolved in the water. High total dissolved solids (TDS) can reduce the palatability of water.
- **Additional testing**  
Other tests may be appropriate if a particular contaminant is suspected in the water. For instance, groundwater sources are sometimes tested for arsenic, selenium, and uranium. Both surface and groundwater sources may also be tested for pesticide contamination.

## INDIVIDUAL TESTING PARAMETERS AND PRICES:

### Microbiological Analysis in Drinking and Non-potable Water:

Total Coliform & Escherichia Coli	\$25.00
Enterococcus Sp.	\$30.00

### Inorganic Analysis in Drinking and Non-potable Water:

pH	\$10.00
Conductivity	\$10.00
Solids, Total Dissolved	\$5.00
Hardness, Total	\$25.00
Calcium	\$15.00
Nitrite	\$10.00
Nitrate	\$10.00
Ammonia	\$18.00
Sodium	\$15.00
Arsenic	\$15.00
Phosphorous	\$15.00
Sulfate	\$10.00
Silica	\$15.00

### Metals Analysis in Drinking and Non-potable Water:

Copper	\$15.00
Iron	\$15.00
Lead	\$20.00
Mercury	\$35.00
Manganese	\$15.00
Magnesium	\$15.00
Chromium	\$15.00