



Water Sample Collection Kit

What's inside the Cooler?

- **Standard Water Test (4 Bottles)**
 - 1 Sterile 120ml Bacteria Bottle
 - 3 250ml plastic bottles
- **Optional Tests**
 - Additional 250ml plastic bottles may be included depending on the optional parameters selected.
 - Volatile Organic Compounds (VOCS) – Two 40-ml vials with HCl.
 - Radon – Two Clear vials (special sampling Instructions included)
 - **Forever Chemicals Test for PFAS and 1,4-Dioxane** (5 Bottles with special sampling and handling instructions included).
 - Four 250 ml bottles (2 for sampling and 2 for field blank bottles)
 - One amber glass with sodium sulfate (preservative to be added)

Water Sample Collection Instructions

After you collect your water sample bottles, put all samples on ice in the cooler. Then, fill out the Residential Testing form, and return the cooler the same day to any of our 5 locations. Please do not forget to call ahead.

Standard Water Test

1. Wash hands prior to collection.
2. Collect from a non-leaking interior or exterior cold-water faucet.
3. Remove any attachments, aerators and screens on your faucet.
4. Sanitize the end of the faucet with an alcohol swab or lighter (no more than 5 seconds).
5. Run cold water for 5 minutes.
6. Fill the four containers starting with the 100ml mark on the side. Do not touch the inside of the cap or container and fill to the 100ml mark.
7. Fill the three 250ml plastic bottles to the neck of each bottle.
8. Fill all optional parameter bottles.



For the 2 VOC vials, follow these collection instructions:

1. Run cold water again
2. Reduce water flow and carefully fill both glass vials to the very top so there is no air and put the cap on immediately.
3. Once capped, turn the sample vials upside down and check for presence of air bubbles.
4. If air bubbles are present, carefully open the top, and add water to the top and re-cap so there is no air in the sample.

For the 2 clear vials for Radon in Water, follow these collection instructions:

1. Run cold water for 15-20 minutes at a moderate rate so that there is little or no splashing.
2. Then reduce water flow, and put a clean, deep bowl or pan under the tap until it's full and overflowing
3. Open the two glass vials and place both the caps and vials into the bowl or pan
4. With the water still running, lift the bowl/pan to completely submerge the head of the faucet (nozzle). This is done to minimize agitation and subsequent loss of radon.
5. Allow the water to run in the bowl with the submerged for (1) minute.
6. WITH THE FAUCET NOZZLE STILL SUBMERGED, turn the water off.
7. Carefully place the bowl/pan of water on a flat surface and immediately follow the next steps
 - A. Reach into the bowl/pan and slowly tilt the submerged bottle until all the air bubbles are gone.
 - B. While the bottle is still submerged, slowly and carefully screw on the cap.
 - C. Remove the vials from the bowl/pan and check for air bubbles. If necessary, repeat steps a-c.

PUT THE SAMPLES ON ICE IMMEDIATELY AND RETURN TO THE LAB THE DAY OF COLLECTION.



PFAS Sampling Instructions for Potable Water Samples For EPA 537.1

Please read instructions entirely prior to sampling.

YORK provides the following sample containers for PFAS sampling of potable water sources for EPA Method 537.1 requests:

**2 empty 250 mL HDPE containers containing a preservative (Trizma) for each Sample
1 empty 250 mL HPDE container containing a preservative (Trizma) for Field blank for
EACH sampling location per EPA Method 537.1**

One full 250 mL HPDE Container with PFAS-free water for the Field blank bottles

DO NOT RINSE CONTAINERS they contain preservatives

Sampling Instructions: Samples

1. Each sampling location requires 2 containers to be filled to the neck or higher
2. Before sampling, remove faucet aerator, if applicable, run water for 5 min, slow the water flow a bit to avoid splashing and fill sample containers at least halfway. Cap and then mix by inverting 5 times.
3. Ensure the Chain-of-Custody and all labels on containers contain required information.

Sampling Instructions: Field Blanks-one per sampling location/time

1. Open the empty field blank container and add the provided PFAS free water filling Field blank bottle to the neck or higher. Close the cap tightly. You can dispose of the empty field blank water container supplied.
2. Ensure the Chain-of-Custody and all labels on containers contain required information.

Place the sample containers in ice filled cooler and return to the laboratory. Samples should be kept at 4°C ±2. Samples must not exceed 10°C during first 48 hours after collection. The holding time before lab preparation is 14 days.

Sampling Tips: Wash your hands before sampling. You MUST wear nitrile gloves while filling and sealing the sample bottles. PFAS contamination during sampling can occur from several common sources, such as food packaging and certain foods and beverages. In addition, avoid wearing clothing or boots containing Gore-Tex or Tyvek. Avoid using cosmetics, moisturizers, heavy fabric softeners on clothes the day of sampling. These steps will aid in minimizing accidental contamination of the samples.

Contact your project manager with additional questions or concerns: 1-800-306-9675