



Return Samples to: (Choose the appropriate lab for you)

- Washington: Edge Analytical • 1620 South Walnut Street • Burlington, WA 98233 • (800-755-9295)
- Oregon: Edge Analytical • 9725 SW Commerce Circle, Suite A2 • Wilsonville, OR 97070 • (503-682-7802)
- Oregon: Edge Analytical • 1100 NE Circle Blvd., Suite 130 • Corvallis, OR 97330 • (541-753-4946)
- Oregon: Edge Analytical • 20332 Empire Blvd, Ste F4 • Bend, OR 97703 • (541-639-8425)

Sample Collection Procedure for Haloacetic Acids (HAA₅) & Total Trihalomethane (TTHM) (Method EPA 552.3/524.2)

****READ ALL INSTRUCTIONS BEFORE COLLECTION****

COLLECTION POINT:

- *Samples should be collected in accordance with 40 CFR 141.132 (b) (1)
- *Samples need to be taken from distribution, not at the source or the treatment plant

HAA₅ / TTHM SAMPLE KIT CONTENTS:

- * 2 - 40mL vials for each source to be sampled. These vials each contain 25 mg of ascorbic acid that **must not** be rinsed out during sample collection.
- * 2 - 2mL Red Capped vials containing inserts filled with 2 drops of 1:1 HCl (**CAUTION: HCl is Corrosive.**)
- * 2 - 125ml bottle containing NH₄Cl
- * Water Sample Information Form for each collection point.

SAMPLE COLLECTION: (TTHM)

1. Remove any potentially contaminating devices such as filters, screens, aerators, hoses, etc. from sampling points.
2. Open the tap and allow water to run, at least 3 minutes, until it reaches a constant temperature.
3. Reduce flow to a thin steady stream about the thickness of a pencil.

*** DO NOT LET THE VIALS TOUCH THE FAUCET OR SPIGOT AS THE SAMPLE MAY BECOME CONTAMINATED***

4. Fill the 2 - 40mL vials from each collection point, one immediately after the other, under the same conditions.
Avoid agitation of the sample while filling.
5. Allow the stream of water to gently flow into the vial just to overflowing, do not rinse out the ascorbic acid. See (a)
6. After filling, empty one insert, from one red-capped 2mL vial into each 40 mL vial. See below (b)

*** DO NOT put red capped vial into the TTHM vial.**

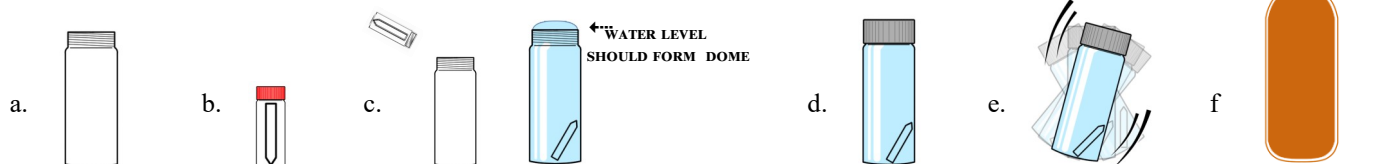
7. If necessary gently add more water so that sample vial looks like illustration. See below (c)

***DO NOT TOUCH or otherwise contaminate the inside lid or the lip of the vials/bottles during sampling.**

8. Carefully place the cap onto the 40mL vial. The shiny side of the Teflon cap liner should be face down in contact with the water sample.
Tighten down the cap securely. See below (d)

*** IMPORTANT: Check for trapped air by inverting the vial and looking to see if any air bubbles are present. If air bubbles are present, gently add more water and repeat step 8. The lab will REJECT TTHM samples if there are air bubbles in the TTHM Container. This will result in re-sampling.**

9. When you are sure vial is properly filled, shake vigorously. See below (e).
10. Label each 40mL vial with DOH source number and your name for that collection point.



SAMPLE COLLECTION: (HAA₅)

1. Fill 2 - 125ml bottles from same collection point at same time. See (f)
2. Tighten lid securely.
3. Label the bottle with DOH source number and your name for that collection point.

IMPORTANT: SAMPLES MUST BE KEPT COLD. If the samples are to be held for a day or longer prior to shipment, place the bottles in a refrigerator. **Once samples are ready to be shipped, add double zip-lock bagged ice to the cooler, sufficient to keep samples at 4° C. Samples must be received at EDGE within 4 days of sampling. ALL SAMPLES MUST BE RECEIVED AT THE LABORATORY PRIOR TO 4PM ON FRIDAY OF THE WEEK IN WHICH YOU SAMPLED.**

Samples MUST be kept cold at 4° C until they reach our laboratory. If they become warm or freeze they will be rejected. We highly suggest NOT shipping on Thursday/Friday as samples may sit over the weekend with the shipper and become warm. Place the completed Water Sample Information (WSI) form into a plastic bag and place in the cooler with the samples. **Return Samples (See Top)**

Additional copies of the WSI are available online at www.EdgeAnalytical.com under forms.

Please call us 800-755-9295 if you have any questions.