



**HALOACETIC ACIDS (HAA5)/TOTAL TRIHALOMETHANE (THM)  
EPA Approved Method 552.2/EPA 524.2**

**INTERIM ENHANCED SURFACE WATER TREATMENT RULE SAMPLE  
COLLECTION INSTRUCTIONS**

Please read instruction prior to sampling

**Collection Point**

HAA5 and THMs should be collected from the same location and preferably at the same time. Samples should be collected within the distribution system. The location should stay the same for each of the 4 quarters. Systems on reduced THM monitoring may continue to collect one sample per quarter per treatment plant from the point of maximum residence time.

**Sample Collection – Haloacetic Acids (HAA5)**

1. **Collect one (1) 250ml brown glass bottle.** If water taps are to be used for sampling, all aerators, strainers, and hose attachments need to be removed. Open the tap and allow the system to flush until the water temperature stabilizes
2. Fill bottle to shoulder, take care not to flush out the sample preservative.
3. Fill out the bottle label and complete the water sample information form for each sample.

**Sample Collection – TRIHALOMETHANE (THM)**

1. **Collect two (2) 40ml vials (a field blank accompanies sample)**
2. If water taps are to be used for sampling, all aerators, strainers, and hose attachments need to be removed. Open the tap and allow the system to flush until the water temperature stabilizes.
3. Fill **2 40mL vials** from each source at the same time and under the same conditions. Avoid agitation of the sample while filling. Allow the stream of water to gently flow into the vial half way. **DO NOT LET THE VIALS TOUCH THE FAUCET OR SPIGOT AS THE SAMPLE MAY BECOME CONTAMINATED.**
4. After filling half way, **transfer complete contents** of one of the capped 2mL vials into each 40mL vial. **DO NOT** put capped vials in THM vial. Gently add more water so that the water level is slightly above the top of vial prior to capping.
5. Carefully place the cap onto the 40mL vial. . Tighten down the cap securely.
6. Check for trapped air by inverting the vial and looking to see if any air bubbles are present. If any air bubbles are present, gently add more water and repeat step 9. **The lab will reject THM samples if there are air bubbles in the THM container. This will result in re-sampling.** When you are sure vial is properly filled, shake vigorously.
7. Label each 40mL vial with DOH source number and your name for that source.

**AFTER SAMPLE COLLECTION**

1. All samples must be kept **cold**. Complete Sample Information form (WSI) and return to the lab within 24 hours.