DRAGON ANALYTICAL LABORATORY

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Drinking Water, Soil, Hazardous Waste, NPDES Permitting, Microbiology, Mobile Laboratory

HALOACETIC ACID (HAA5) SAMPLING INSTRUCTIONS

IMPORTANT: Read all instructions prior to sampling!

General Information

DAL will send you 3 x 60mL amber VOAs vials for each sampling location. The HAA5 vials will contain a small amount of ammonium chloride (NH_4Cl) to convert the free chlorine residual in the sample matrix to combined chlorine. Please do not rinse the vials or lose the NH_4Cl.

Supplies

1. Chemical resistant safety goggles, not safety glasses or prescription glasses. Remove contact lens before beginning process.
2. Three sample vials (supplied).
3. Chain-of-Custody (COC) form (supplied).

Sampling Instructions

1. HAA5 samples must be taken at a cold tap, with all screens filters, aerators, *etc*. removed. Let the water run long enough to clear all standing water from the lines (usually 5 to 15 minutes).
2. Reduce water flow, if possible, to a stream about the thickness of a pencil. Hold the vial at an angle and position the vial under the edge of the stream of water so that the water flows gently into the vial along the inner sidewall. When the vial is nearly full, tilt the vial to the vertical position to fill it completely, forming a meniscus (the curved upper surface of a liquid formed by surface tension) at the top of the vial. Avoid overflowing the vial too much because this could wash out the preservative.

3. Carefully replace the caps on the vials and tighten with care. Agitate the sample for at least **ONE MINUTE.** Make sure that each vial is **bubble free**. Rinse off the outside of each vial and dry. Place the three sample vials into the bubble bag. Fill out the sample label completely with a permanent marker (such as a Sharpie).
4. Store samples iced (but do not let them freeze) until delivery to Dragon Analytical Laboratory.
5. Fill out the Chain-of-Custody (COC) form.
6. Place entire kit (samples, COC) in a cooler with ice and return to Dragon Analytical Laboratory as soon as possible.

IF YOU HAVE ANY QUESTIONS, CONTACT Dragon Analytical Laboratory, Inc. PRIOR TO SAMPLING