

VOC, TTHM and HAA5 Disinfectant Byproduct Sampling Instructions

This procedure must be followed as described below.

EPA 524.2: Volatiles (VOC) and TTHM's

Containers: 3 – 40mL VOA Vials
3 – Vials with “HCL”

Preservative: Ascorbic Acid in VOA Vials, Hydrochloric Acid (HCl) in small clear vials

Instructions: Fill each VOA vial 1/2 to 2/3 full, allowing the Ascorbic Acid crystals to dissolve completely, swirling gently to mix. Carefully remove cap from the small glass vial with the blue HCL label and dump entire contents of this vial into the larger VOA vial. Finish filling the VOA Vial ensuring that the vial will be completely filled with no headspace. Place cap on VOA vial ensuring a good seal, invert to ensure there are no bubbles or headspace present in the vial, and shake gently to disperse the HCl.

Storage: Store at 4°C until delivery to the laboratory.

QC Bottles: A travel blank should be used for all Volatile samples. The travel blank should be prepared at the laboratory using deionized water and accompany the samples throughout sampling and delivery to the laboratory. The travel blanks should not be tampered with or opened.

EPA 552.2: HaloAcetic Acids (HAA5)

Containers: 1 or 2 – 250mL Glass Jars

Preservative: Ammonium Chloride

Instructions: Fill glass jar to the neck leaving some headspace to allow the lab to mix the sample before analysis. Cap and invert the jar a few times to allow the Ammonium Chloride solution to dissolve in the sample.

Storage: Store at 4°C until delivery to the laboratory.

QC Bottles: No additional bottle for Laboratory QC is required.