

FSOP-BB2
Field Sampling with Bottles not containing Preservatives

BOD₅
Chloride
pH
Trace Metals
TSS
Toxicity

1. The following field procedures shall be followed for those sample containers that DO NOT have Sulfuric Acid (H₂SO₄) preservative.
2. The laboratory shall provide clean sample bottles of the appropriate size and type.
3. Ensure all bottles are labeled properly prior to sampling.
4. Where there is flow or current, always approach the sampling location slowly from the downstream. Once you have reached the sampling location allow the water to return to a pre-disturbed condition.
5. Surface sampling with the sample container (Maximum depth of 1 to 1 ½ ft)
 - Remove cap from appropriate sample container, taking care not to touch the inside of the container mouth or cap.
 - Rinse the container with water from the sampling location by holding it by the bottom and plunging it mouth-first into the water to about elbow depth. Your hand should always move in a forward motion to avoid water from sliding over your arm and into the container.
 - After rinsing, fill the container by holding it by the bottom and plunging it mouth-first into the water to about elbow depth. Your hand should always move in a forward motion to avoid water from sliding over your arm and into the container. Turn the mouth of the container upwards and bring it above the surface of the water.
 - For the **BOD₅** sample container, tip out some of the water to leave an air space and cap the container being careful not to touch the inside of the cap.
 - For the **pH, Chloride, and TSS** sample container, ensure the container is completely filled and that all air is expelled from the container. Replace the cap on the container being careful not to touch the inside of the cap.
 - Store container in cooler. Add ice or freezer packs to cooler to maintain proper temperature. Transport all samples to the appropriate laboratory as soon as possible or within 6 hours.