



### **FSOP-3**

## **Hand-Dip Sampling for the Collection of Surface Water for the Analysis of Volatile Organic Compounds**

A representative sample may be obtained manually by immersing an open HCL acid-preserved, 40-ml VOA vial near the centroid of flow. The following field procedures shall be followed:

1. Label the sample vial prior to collecting samples.
2. Wearing polyvinyl gloves, lower the vial to approximately one half the river/stream depth.
3. Point the vial into the current, remove the cap and allow the vial to fill.
4. It is important to avoid any air bubbles in the sample. By filling the vial so that a convex meniscus forms at the vial opening and immediately capping, air bubbles may be avoided.
5. After the vial is capped, tipped the vial and tap the sides of the vial to check if any air bubbles are present in the sample. If any bubbles are present, resample using a new vial.
6. Immediately place sample in cooler with ice.
7. If samples are analyzed within 72 hours of collection, additional HCL preservation is not necessary. The sampler should make a note on the Chain-of-custody that samples are not preserved and must be analyzed within 72 hours.