

## Sample Collection Instructions: Volatile Organic Compounds (VOCs)

Please read instructions prior to collecting sample(s).

### Aqueous

**Caution** - *Wear gloves when collecting sample(s).*

Samples will be collected in the two glass vials preserved with Hydrochloric Acid in bubble pack. Both containers must be completely filled and be free of any air bubbles. Use caution when handling containers and collecting sample.

Lower the water flow (if applicable). Angle one of the sample vials and have the water pour along the side of the vial. Fill with as little agitation as possible. Fill so the water is slightly overflowing (create an inverted meniscus). Screw the cap on tightly and avoid spillage. Invert the vial upside down and tap lightly. If air bubbles are present, gently reopen the vial (do not empty contents) slowly add more water until it is slightly overflowing (create an inverted meniscus) and screw the cap on tightly. Check for air bubbles. If no air bubbles, fill second vial using the same procedure.

### Soil (EPA Method 5035)

**Caution** - *Wear gloves when collecting sample(s).*

#### EAI Container Kit Includes:

- (1) 5mL polypropylene syringe, sample collection and % solids container
- (1) 20mL pre-cleaned, pre-weighed, Methanol preserved glass VOA Vial
- (1) 20mL pre-cleaned, pre-weighed, Methanol preserved glass VOA Vial labeled as "Trip Blank"



It is recommended that the sample containers be labeled prior to collecting the sample.

Withdraw the syringe barrel to the 5mL mark and plunge the syringe into the soil filling the syringe at the pre-set sample volume without gaps so you have a representative "plug" of soil.

Open the VOA vial and insert the syringe barrel into the vial. Slowly expel the soil plug into the Methanol without splashing, then cap the vial.

Gently shake the VOA vial to completely mix the soil plug into the methanol to produce a slurry.

Withdraw the syringe barrel to the 5mL mark a second time, plunge the syringe into the soil filling the syringe at the pre-set sample volume without gaps so you have a representative "plug" of soil, and replace the end cap to the syringe barrel. This will be used for % solids determination.

Cool samples with ice to < 6 degrees C and return to the lab as soon as possible.

If you have any questions, please call us at 1-800-287-0525.