

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. **All containers must be completely filled and be free of any air bubbles.** Use caution when handling containers and collecting samples.

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 the containers so the water creates an inverted meniscus (see picture) without spilling any preservative. 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 additional vials using the same procedure.



Soil (EPA Method 5035)

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

EAI Container Kit Includes:

- (1) 6mL 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.

Draw the syringe plunger up to the 6mL mark then 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. (Note-Do not add more than 1 syringe full of soil to the vial.)

Open the VOA vial and insert the syringe barrel into the vial. Slowly expel **one** soil plug into the Methanol without splashing. Use a Kimwipe (or similar) to thoroughly wipe soil from the VOC vial threads. **Visually inspect the threads to be sure all granules have been removed.** Screw the cap on tightly ensuring there is a good seal between the vial and cap. Gently shake the VOA vial to completely mix the soil plug into the methanol to produce a slurry. Do not overfill the container. Only one syringe of soil should be added to the container.

Withdraw the syringe barrel to the 6mL 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°C and return to the lab as soon as possible.
If you have any questions, please call us at 1-800-287-0525.

