

## Soil Sampling Procedures

Eastern Analytical, Inc. (EAI) provides the following sampling supplies and instructions in order to comply with the sampling procedures outlined in SW-846. These sampling procedures apply to soil samples being analyzed by the following analytical methods: 8015, 8270, 8260, VPH, etc. Please read this procedure carefully and consider your project needs to insure that the regulatory requirements are met.

### Sample Collection Kit Provided by EAI, per sample location:



- (1) 20mL pre-cleaned, pre-weighed, Methanol preserved glass container
- (1) 5mL, precut plastic syringe for VOC sample collection & percent solids analysis
- (1) 20mL pre-cleaned, pre-weighed, Methanol preserved glass VOA Vial labeled as "Trip Blank"
- (1) Amber glass jar for TPH & PAH analysis
- Any additional jars as required
- Please review the bottle order sheet included with your containers which describes the containers/analyses requested.

### Instructions:

1. It is recommended that the sample containers be labeled prior to collecting the sample.
2. 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.
3. Ensure the correct sample identification is on the container, open the methanol VOA vial and insert the barrel into the vial. Slowly expel the soil plug into the methanol without splashing, then cap the vial.
4. Gently shake the methanol vial so the soil now forms slurry and is completely immersed in the methanol.
5. Withdraw the syringe barrel beyond the 5 mL mark a second time and again plunge the syringe into the soil the same depth of the pre-set sample capacity of the barrel. Cap and keep the syringe filled with soil as this will be used for the percent solids analysis.
6. Take a stainless steel trowel and fill the remaining unpreserved sampling jars to the brim with soil, close the lid.
7. Cool samples with ice to  $< 6^{\circ}\text{C}$  and return to the laboratory as soon as possible. The maximum holding time from the date/time of collection is 14 calendar days for most analyses.

If you have any questions, please call us at 800.287.0525 or email [customerservice@easternanalytical.com](mailto:customerservice@easternanalytical.com).