

Appendix B-2

Sample Collection Parameters for Volatile, Semivolatile, and Pesticide/PCB Analysis

Analysis	Matrix	Containers	Volume/ Mass	Special Notes	Preservative	Holding Time ⁵
Volatiles	Water	At least two 40 mL glass containers with Teflon-lined septa and open top screw-caps.	Fill to capacity		Preserve to a pH of 2 and cool to 4°C immediately after collection.	14 days
	Soil	At least two 120-mL wide mouth glass containers or closed end tubes. Medium level samples may also be collected in pre-weighed vials containing 10 ml of methanol. See Special Notes.	Fill to capacity	Headspace should be avoided. Medium level samples: The sample vial, with 10 ml of methanol and all labeling, is weighed to the nearest 0.1 g prior to the addition of the sample. Approximately 5 g of sample is added to the vial. The sample vial with sample is weighed to the nearest 0.1 g. The initial weight, final weight, and sample weight will be recorded and provided to the laboratory.	Cool all samples to 4°C immediately after collection. Methanol for medium level soil samples. See Special Notes.	14 days
	Low Level Soils by Modified SW-846 Method 5035	Two EnCore™, or equivalent, sample containers with approximately 5 g of sample OR Two Pre-prepared, tared, closed-system purge-and-trap vials with sodium bisulfate and approximately 5 g of sample. AND One tared glass vial with 10 mL of methanol and approximately 5 g of sample and one 60 mL glass vial with sample. OR Two 60 mL wide mouth glass vials with sample.	5 g 5 g 5 g Fill to capacity		Cool all samples to 4°C immediately after collection. Sodium Bisulfate for low-level soils in pre-prepared, pre-weighed vials.	48 hours for Encore samples. 14 days for methanol preserved samples.

⁵ This holding time is calculated from the time of sample collection. It is recommended that samples be shipped to the lab the same day that they are collected, or as soon as possible thereafter.

Analysis	Matrix	Containers	Volume/ Mass	Special Notes	Preservative	Holding Time ¹
Semi-Volatiles	Water	At least two 1 L or 1 quart amber glass container, fitted with screw-caps lined with Teflon.	Fill to capacity	If amber containers are not available, the samples should be protected from light.	Cool all samples to 4°C immediately after collection.	7 days
	Soil	Use one 8 oz wide-mouth glass jar or two 4 oz wide-mouth glass jars.	Fill to capacity		Cool all samples to 4°C immediately after collection.	14 days
Pesticides/ Aroclors	Water	At least two 1 L or 1 quart amber glass container, fitted with screw-caps lined with Teflon.	Fill to capacity	If amber containers are not available, the samples should be protected from the light.	Cool all samples to 4°C immediately after collection.	7 days
	Soil	Use one 8 oz wide-mouth glass jar or two 4 oz wide-mouth glass jars.	Fill to capacity		Cool all samples to 4°C immediately after collection.	14 days