



Instructions for Catalog # 924 Ready-to-Use VOAs in Soil

Revision 090119

Description:

- This standard consists of a flame-sealed ampule containing 10.0 ±0.1 grams of soil preserved with 10 mL of purge and trap grade Methanol.
- This standard should be stored at 4±2°C.
- This product is intended to be used as a quality control check of the entire analytical process for the analytes/matrix included in the standard.
- The dilution instructions below represent the minimum suggested sample size for this product. Using a smaller sample size may invalidate the assigned value and/or uncertainty shown on the certificate of analysis.
- The certified values apply to the sample after following the stated instructions.

Helpful Hints:

- This standard has been designed to be analyzed by all GC and GC/MS methods with the Method 5035 preparation procedure.
- Warning: If more than 100 µL of Methanol extract is introduced into a purge and trap system, trapping capacity and detector response can be adversely affected.
- The standard should be analyzed **immediately** after the ampule is opened.

Instructions:

1. Shake the sample for two minutes before opening.
2. Carefully snap the top off of the Ready-to-Use VOAs in Soil ampule.
3. Using a gas tight syringe, aliquot 100 µL of the methanol extract and inject into your purge and trap vessel 1 cm below the surface of the 5 or 25 mL of water. (See the warning above about using more than 100 µL of extract).
4. Analyze the methanol extract per your normal procedures.
5. To calculate your results, use 10 grams as the sample weight and 10 mL as the extraction volume.

Safety:

ERA products may be hazardous and are intended for use by professional laboratory personnel trained in the competent handling of such materials. Responsibility for the safe use of these products rests entirely with the buyer and/or user. Safety Data Sheets (SDS) for all ERA products are available through our website www.eraqc.com.