



Instructions for Catalog # 870
Ready-to-Use VOAs in Soil
Revision 112211

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 $4 \pm 2^\circ\text{C}$.
- The diluted standard will contain all or a subset of the analytes listed in the ranges specified on the data reporting form.

Before you begin:

- This standard is 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 no more than 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 using the appropriate method(s) for which you are being certified.
5. To calculate your results, use 10 grams as the sample weight and 10 mL as the extraction volume.
6. Report your results as $\mu\text{g}/\text{kg}$.

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. Material Safety Data Sheets (MSDS) for all ERA products are available by calling 1-800-372-0122.