



## Instructions for Catalog # 470 Alaska BTEX in Soil

Revision 102814

### Description:

- This standard consists of a 2 mL flame-sealed ampule containing the Alaska BTEX in Soil concentrate and a 15 mL screw top vial containing approximately 10 grams of soil matrix.
- The solvent for the concentrate is Methanol.
- The concentrate and matrix should be stored at  $4\pm 2^{\circ}\text{C}$ .
- The diluted standard will contain the following analytes at 5 to 100 mg/kg (10 to 200 mg/kg for Total Xylenes):

Benzene  
Ethylbenzene  
Toluene  
Total Xylenes

### Before you Begin:

- This standard has been prepared as a concentrate and must be diluted prior to analysis.
- As the diluted standard is not stable, it must be analyzed **immediately** after the concentrate is diluted.

### Instructions:

1. Weigh 10.0 grams of the provided soil matrix into an extraction vessel.
2. Carefully snap the top off of the Alaska BTEX in Soil ampule.
3. Using a gastight syringe, inject 1.0 mL of the concentrate into the soil matrix by placing the syringe tip slightly below the surface of the matrix.
4. Immediately add 9.0 mL of Purge & Trap grade methanol to the extraction vessel (including any surrogate spike or matrix spike compounds that your lab may employ).
5. Complete the analysis per your normal procedures.
6. Report your results as mg/kg for the diluted standard.

### 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 1-800-3720122.