



Instructions for Catalog # 636

Alaska BTEX in Soil

Revision 090119

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 $4\pm 2^{\circ}\text{C}$.
- 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 diluted sample after following the stated dilution instructions.

Helpful Hints:

- 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 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.

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.