



Instructions for Catalog # 474
Alaska BTEX in Water
Revision 121707

Description:

- This standard is packaged in a 2 mL flame-sealed ampule containing approximately 2 mL of standard concentrate.
- This concentrate is not preserved.
- The solvent for this concentrate is Methanol.
- The concentrate should be stored at $4\pm 2^{\circ}\text{C}$.
- The diluted standard will contain the following analytes at 5 to 30 $\mu\text{g/L}$ (15-90 $\mu\text{g/L}$ 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. Add 100 mL of organic free, deionized water to a clean 100 mL class A volumetric flask.
2. Carefully snap the top off of the Alaska BTEX in Water ampule.
3. Using a ten microliter syringe, transfer 5.0 μL of the concentrate below the surface of the water in the flask.
4. Cap the flask and mix well.
5. Immediately analyze the diluted sample by your normal procedures.
6. Report your results as $\mu\text{g/L}$ for the diluted sample.

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.