



## Instructions for Catalog # 733 PFAS in Drinking Water

Revision 051923

### Description:

- This standard is packaged in a 2 mL flame-sealed ampule containing approximately 1.5 mL of standard concentrate.
- This concentrate is preserved with 4 mole equivalents of NaOH
- The solvent for this concentrate is Methanol / Isopropanol (<8%) / Water (<1%).
- The concentrate 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.
- Use with US EPA Method 533 or similar LC/MS/MS techniques.
- PFOS, PFHxS, NEtFOSAA and NMeFOSAA will be made using standards which include both branched and linear isomers. The assigned value presented on the Certificate of Analysis for these compounds is the total isomer concentration.
- Several components made using potassium or sodium salts, assigned values for these compounds presented as corresponding anion.
- This standard should be analyzed as soon as possible after the concentrate is diluted.

### Instructions:

1. Add 100-200 mL of organic free, deionized water to a clean 250 mL class A volumetric flask.
2. Carefully snap the top off of the PFAS ampule.
3. Using a clean, dry syringe, transfer 250  $\mu\text{L}$  of the concentrate below the surface of the water in the flask.
4. Dilute the flask to final volume with organic free, deionized water.
5. Cap the flask and mix well.
6. Immediately analyze the diluted sample by 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.  
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