



## Instructions for Catalog # 1110 Air and Emissions Semivolatiles on PUF Cartridge

Revision 090119

### Description:

- This standard is packaged in two 2 mL flame-sealed ampules containing approximately 2 mL of each standard concentrate and a jar containing one polyurethane foam (PUF) sorbent (XAD-2) combination tube.
- These concentrates are not preserved.
- The solvent for these concentrates is Methanol.
- These concentrates should be stored at  $4\pm 2^{\circ}\text{C}$ .
- The PUF sorbent combination tube should be stored at room temperature and protected from UV light.
- 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 intended for spiking onto the supplied PUF and must be prepared prior to analysis.
- The PUF sorbent combination is contained in an open-ended sampling tube. Because of the porous nature of the PUF, the spiking solution containing the analytes of interest will run through the PUF upon application. Therefore, while spiking the PUF sorbent combination you must make sure all the spiking volume is transferred to the extraction apparatus. For best results, ERA suggests placing the PUF sorbent combination tube into the extraction apparatus during spiking.
- This standard should be analyzed as soon as possible after the sample is prepared using the instruction.

### Instructions:

1. Take the PUF sorbent combination tube out of the container and place the PUF sorbent combination tube in your extraction apparatus.
2. Carefully snap the top off the Base/Neutrals on PUF and the Acids on PUF ampules.
3. Using a clean, dry, class A pipet or syringe, transfer 1.0 mL of each of the concentrates onto the PUF sorbent material.
4. Extract and analyze the PUF sorbent material following 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](http://www.eraqc.com).