Instructions for Catalog # 519
WatR™ Pollution HEM/SGT-HEM

Revision 090119

Description:

- This standard is packaged in a 5 mL flame-sealed ampule containing approximately 5 mL of standard concentrate.
- This standard concentrate is manufactured from hexadecane and stearic acid in acetone.
- The standard concentrate can be stored at room temperature.
- 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.
- This sample is designed specifically for USEPA method 1664. Results reported by other methods may not be equivalent.
- This standard concentrate is manufactured from hexadecane and stearic acid in acetone. The ratio of hexadecane to stearic acid may not be 1:1 as illustrated by the "IPR/OPR" mix specified in USEPA method 1664
- This standard should be analyzed as soon as possible after the concentrate is diluted.
- Because there are many different types of SPE equipment, be sure to check with the manufacturer of your SPE equipment if you have any questions regarding the proper solvent rinse technique for your equipment.

Instructions:

1. Shake the HEM/SGT-HEM concentrate well before withdrawing an aliquot. If a precipitate is evident, gently warm the vial in warm tap water and mix until precipitate is no longer visible.
2. Carefully snap the top off of the HEM/SGT-HEM ampule.
3. Using a clean, dry class A pipet or calibrated glass syringe, volumetrically transfer 2.0 mL of concentrate into a 1 liter separatory flask or 1 liter sample bottle containing 1000 mL of deionized water or deionized water containing preservative (HCl or H_2SO_4). Note: assume a final volume of 1000 mL in your final concentration calculation.
4. The sample is now ready for extraction and analysis per your normal procedures. If you are using a solid phase extraction (SPE) technique, please reference your SPE equipment manufacturer instructions for proper rinsing procedures of sample bottles and caps.

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.