Instructions for Catalog # 538
1,4-Dioxane in Soil

Revision 090119

Description:

- This standard consists of a 2 mL flame-sealed ampule containing the 1,4-Dioxane in Soil concentrate and a 15 mL screw top vial containing approximately 10-grams of Matrix soil.
- The solvent for the 1,4-Dioxane in Soil concentrate is Methanol.
- The concentrate and matrix should be stored at 4±2°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 5.0 grams of the 1,4-Dioxane in Soil Matrix into a sparger cell.
2. Carefully snap the top off of the 1,4-Dioxane in Soil ampule.
3. Using a ten-microliter syringe, inject 10 µL of the concentrate into the matrix by placing the syringe tip slightly below the surface of the matrix in the sparger cell.
4. Immediately complete other sample preparation steps such as adding water to the sparger cell and closing the apparatus according to your analytical procedures.
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.