



Instructions for Catalog # 469

Alaska GRO in Soil

Revision 121707

Description:

- This standard is packaged in a 20 mL flame-sealed ampule containing approximately 10.0 ± 0.1 grams of soil preserved with 10 mL of purge and trap grade methanol.
- The standard should be stored at $4 \pm 2^\circ\text{C}$.
- The standard contains unleaded gasoline as gasoline range organics (GRO) in the range of 30 to 1,500 mg/kg.

Before you Begin:

- Although all ERA soil standards have been thoroughly blended prior to shipping, the standards should be homogenized prior to opening the ampules due to settling which may occur during shipping.

Instructions:

1. Shake the Alaska GRO in Soil ampule for two minutes prior to opening.
2. Carefully snap the top off of the Alaska GRO in Soil ampule.
3. Refer to Section 9.10.8 and Table 2 in Method AK101 to determine the appropriate aliquot size.
4. Using a gastight syringe, aliquote no more than 300 μL of the methanol extract and inject into your purge and trap vessel 1 cm below the surface of the 5 mL of water.
5. To calculate your results, use 10 grams as the sample weight and 10 mL as the extraction volume.
6. Report your results as mg/kg for the standard provided.

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.