



Instructions for Catalog # 4120
DMR-QA Oil and Grease Concentrate
Revision 022112

Description:

- This standard is packaged in a 24 mL glass screw cap vial containing approximately 23 mL of standard concentrate.
- This standard is not preserved.
- The solvent for this standard is n-propanol.
- The standard concentrate can be stored at room temperature.
- This standard will contain Oil and Grease in the range specified on the data reporting form.

Before you begin:

- This standard has been prepared as a concentrate and must be diluted prior to analysis.
- The standard should be extracted and analyzed as soon as possible after the concentrate has been diluted.
- This substrate is manufactured in an n-propanol matrix (which is volatile). Therefore, the Oil and Grease standard supplied in concentrate form must be diluted immediately after opening to avoid concentrating the Oil and Grease substrate as a result of matrix volatilization.

Instructions:

1. Add approximately 500 mL of deionized water and sufficient hydrochloric acid to ensure a pH of less than 2 to a clean 1000 mL class A volumetric flask, separatory funnel, or sample bottle.
2. Shake the Oil & Grease Concentrate vial prior to opening.
3. Using a clean, dry, class A pipet, volumetrically pipet 10.0 mL of the concentrate into the 1000 mL volumetric flask, separatory funnel, or sample bottle.
4. Dilute to final volume with deionized water.
5. 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.
6. Report your results as mg/L for the diluted sample.

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.