



Instructions for Catalog # 896
DMR-QA Low-Level Mercury
Revision 021115

Description:

- This standard is packaged in a 5 mL flame-sealed ampule containing approximately 5 mL of standard concentrate.
- This concentrate is preserved with approximately 0.5% (v/v) bromine monochloride (BrCl).
- The concentrate can be stored at room temperature.
- The diluted standard will contain Mercury 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 TNI Fields of Proficiency Testing Tables recommend that Mercury be present as a mixture of organic and inorganic forms and must, therefore, be analyzed as Total Mercury.
- This standard is designed to be analyzed only by laboratories explicitly following EPA method 1631 for cleanliness and contamination control.
- This standard should be analyzed as soon as possible after the concentrate is diluted.

Instructions:

1. Add 100-200 mL of deionized water and an appropriate amount of ultra-pure HCl to a clean 1000 mL class A volumetric flask.
2. Carefully snap the top off of the Low-Level Mercury ampule.
3. Using a clean, dry, class A pipet, volumetrically pipet 1.0 mL of the concentrate into the 1000 mL volumetric flask.
4. Dilute the flask to final volume with deionized water.
5. Cap the flask and mix well.
6. Immediately analyze the diluted sample by your normal procedures.
7. Report your results as ng/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.