Instructions for Catalog # 505QR

WatR™Pollution Simple Nutrients

Revision 030512

Description:

- This standard is packaged in a 15 mL screw-top vial containing approximately 14 mL of standard concentrate.
- This concentrate is preserved with approximately 1% (v/v) hydrochloric acid.
- The concentrate can be stored at room temperature.
- The diluted standard will contain all the analytes listed in the ranges specified on the data reporting form.

Before you begin:

- This standard has been prepared as a concentrate and must be diluted prior to analysis.
- For labs using ion selective electrode methods, please note that this sample contains hydrochloric acid and chloride containing salts.
- As the concentrate contains hydrochloric acid, please note that the diluted sample will be acidic and may require pH adjustment depending on your analytical methods.
- Be sure to report your ammonia result as N (not as NH_3), your nitrate result as N (not as NO_3^-), your phosphate result as P (not as PO_4^{3-}) and your Nitrate + Nitrite result as N.
- This standard should be analyzed as soon as possible after the concentrate is diluted.

Instructions:

1. Add 100-200 mL of deionized water to a clean 1000 mL class A volumetric flask.
2. Shake the Simple Nutrients vial prior to opening.
3. Using a clean, dry, class A pipet, volumetrically pipet 5.0 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 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.