QCI-745  ULTRAcheck™ WP Nutrients Blind QC Test Sample

Please read these instructions carefully before using the quality check sample concentrate.

1. Storing the Sample
   See package label for information on storage conditions and expiration.

2. Preparing the Sample for Use
   This sample consists of two sample vials that are analyzed separately. Do not mix the two samples.

   Add approximately 750 mL of ammonia-free, reagent water into a 1 liter volumetric flask (class A). Open vial QCI-745A, and use a pipet to transfer 10 mL of the concentrate to the flask. Dilute to volume with reagent water. Mix well. Prepare vial QCI-745B in the same manner in a separate flask. Analyze samples as soon as possible after preparation.

3. Analyzing the Sample
   A blind check sample is used to evaluate the quality of the analytical data generated by the laboratory, so use the method you would normally use to analyze for these particular analytes.

4. Applicable Methods
   Analyte                  US EPA Method(s)
   
   **Ampule 1**
   Ammonia Nitrogen         350.1, 350.2, 350.3
   Nitrate Nitrogen         300.0, 352.1, 353.1, 353.2, 353.3
   Orthophosphate Phosphorus 300.1, 365.1, 365.2, 365.3

   **Ampule 2**
   Total Kjeldahl Nitrogen  351.1, 351.2, 351.3, 351.4
   Total Phosphorus         365.1, 365.2, 365.3, 365.4

5. Analyte Concentrations
   The certificate showing the reference values and advisory ranges is sealed in an envelope, to be opened after the analysis is completed. The advisory ranges represent QC acceptance criteria for analyte recovery following applicable US EPA methodologies. These ranges are based on interlaboratory data, and are included solely as guides for acceptable performance. Each laboratory should develop criteria for judging acceptable method performance based on the intended use of data.