

Individual vials are prepared separately. Do not combine vials into one sample.

The enclosed vial(s) when properly diluted will give two samples with known concentrations. Vial 1 contains inorganic Nitrogen and Phosphorus compounds to be analyzed for Ammonia, Nitrate, and Orthophosphate. Vial 3 contains organic forms of Nitrogen and Phosphorus and may be analyzed for TKN Nitrogen and Total Phosphorus. The samples should not be filtered, but should be analyzed soon after dilution. Digestion is required for TKN and TP analysis.

Prepare separate samples by diluting 10 ml of each vial to one (1) Liter in a volumetric flask with laboratory grade water. For sample 1 dilute 10 ml of vial 1 to one (1) liter. For sample 2 dilute 10 ml of vial 3 to one (1) liter. Sample 2 should be tested for TKN and Total P.

| Analyte | Units | DMRQA |
|-------------------------|-------|--------------|
| Ammonia Nitrogen as N | mg/L | 0.650 - 19.0 |
| Nitrate Nitrogen as N | mg/L | 0.250 - 40.0 |
| Orthophosphate as P | mg/L | 0.500 - 5.50 |
| Total Kjeldahl Nitrogen | mg/L | 1.50 - 35.0 |
| Total Phosphorus as P | mg/L | 0.500 - 10.0 |

