|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Spectrophotometer – Total Nitrogen (If all samples are preserved)** | | | | | | | | | | | | | | |
| **Total Nitrogen Results - Hach Methods 10242 and 10206, TNTplus 880 and TNTplus 835** | | | | | | | | | | | | | | |
|  |  |  |  |  |  |  |  |  | **(A)** |  |  | **(B)** |  |  |
| **Analyst** | **Sample ID** | **Sample Date** | **Sample Time** | **Preservation Date** | **Preservation time** | **Nitrate sample filtered** | **Analysis**  **Date** | **Analysis Time** | **Reagent**  **TNTplus 880**  **0 to 16 mg/L**  **TKN** | **Analysis**  **Date** | **Analysis Time** | **Reagent TNTplus 835**  **0.23 to 13.50**  **mg/L NO3+NO2–N (Nitrate/Nitrite)** | **Calculation** | **Total Nitrogen** |
|  |  |  |  |  |  |  |  |  |  |  |  |  | **Add A + B = Total Nitrogen** |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  | **Add A + B = Total Nitrogen** |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  | **Add A + B = Total Nitrogen** |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  | **Add A + B = Total Nitrogen** |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  | **Add A + B = Total Nitrogen** |  |
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|  |  |  |  |  |  |  |  |  |  |  |  |  | **Add A + B = Total Nitrogen** |  |

**If the result is outside the range for the TNTplus Reagent used, it must be analyzed again using a dilution or a TNTplus Reagent where the sample result is bracketed in the range.**

All samples must be preserved by bringing the pH below 2 (using concentrated sulfuric acid) and storing at 6 degrees C. Nitrate must also be filtered immediately using a 45µm filter. Samples must be increased to pH 3 - 10 and room temperature before analysis. If Nitrate/Nitrite is not preserved, use IDEM’s Total Nitrogen, NOT preserved samples bench sheet.

*Created by: Kim Rohr 11/2022*