|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Spectrophotometer – Total Nitrogen (If samples for TNTplus 835 and TNTplus 839 are NOT preserved)** | | | | | | | | | | | | | | | | |
| **Total Nitrogen Results - Hach Methods 10242, 10206 and 10207, TNTplus 880, TNTplus 835 and TNTplus 839** | | | | | | | | | | | | | | | | |
|  |  |  |  |  |  |  |  | **(A)** |  |  | **(B)** |  |  | **(C)** |  | |
| **Analyst** | **Sample ID** | **Sample Date** | **Sample Time** | **TKN Preservation Date** | **TKN Preservation Time** | **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–N** | **Analysis**  **Date** | **Analysis Time** | **Reagent TNT 839**  **0.015–0.60**  **mg/L NO2**  **––N** | **Calculation** | **Total Nitrogen** |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | **Add A + B+C = Total Nitrogen** |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | **Add A + B+C = Total Nitrogen** |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | **Add A + B+C = Total Nitrogen** |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | **Add A + B+C = Total Nitrogen** |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | **Add A + B+C = Total Nitrogen** |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | **Add A + B+C = Total Nitrogen** |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | **Add A + B+C = Total Nitrogen** |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | **Add A + B+C = Total Nitrogen** |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | **Add A + B+C = Total Nitrogen** |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | **Add A + B+C = Total Nitrogen** |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | **Add A + B+C = Total Nitrogen** |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | **Add A + B+C = 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 within the range.**

TNTplus 880 samples **must** be preserved to pH < 2 using concentrated sulfuric acid. If samples for TNTplus 835 and TNTplus 839 are not analyzed immediately (within 3 hours), they must be preserved. If preserving Nitrate/Nitrite, use IDEM’s Total Nitrogen, preserved samples bench sheet. All samples must be analyzed at room temperature and at a pH 7.

*Created By: Kim Rohr 11/22*