

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	
													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	
													Add A + B = Total Nitrogen	
													Add A + B = Total Nitrogen	
													Add A + B = Total Nitrogen	
													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 7 and room temperature before analysis. If Nitrate/Nitrite is not preserved, use IDEM’s Total Nitrogen, NOT preserved samples bench sheet.