

Interconverting Nitrate as Nitrate (Nitrate-NO3) and Nitrate as Nitrogen (Nitrate-N)

The atomic weight of nitrogen is 14.0067 and the molar mass of nitrate anion (NO_3^-) is 62.0049 g/mole

Therefore, to convert Nitrate-NO3 (mg/L) to Nitrate-N (mg/L):

$$\text{Nitrate-N (mg/L)} = 0.2259 \times \text{Nitrate-NO3 (mg/L)}$$

And to convert Nitrate-N (mg/L) to Nitrate-NO3 (mg/L):

$$\text{Nitrate-NO3 (mg/L)} = 4.4268 \times \text{Nitrate-N (mg/L)}$$