

Water Report Input

Hover cursor over cells w/ red triangles to display helpful comments

Cations	Enter Ion Concentrations from Water Report (mg/L or ppm)		Anions
Calcium (Ca)	39.0	146.3	Bicarbonate (HCO ₃)
Magnesium (Mg)	12.0	0.7	Carbonate (CO ₃)
Sodium (Na)	21.0	18.0	Sulfate (SO ₄)
Potassium (K)	2.0	51.0	Chloride (Cl)
Iron (Fe)	0.0	0.9	Nitrate (NO ₃)
		0.0	Nitrite (NO ₂)
		0.0	Fluoride (F)
If water report provides only Total Alkalinity (as CaCO ₃), use the calculator below to estimate the Bicarbonate and Carbonate concentrations. Insert the estimated results in the table above.			
Reported Total Alkalinity (as CaCO ₃) (mg/L or ppm)	Reported or Measured Water pH	Estimated Bicarbonate Concentration (ppm)	Estimated Carbonate Concentration (ppm)
121.0	8.0	146.3	0.7

Ion Balance Results			
Total Cations (meq/L)	3.90	0.35	Cation/Anion Difference
Total Anions (meq/L)	4.25		

Hardness and Alkalinity Results			
Total Hardness, as CaCO ₃ , (ppm)	147	122	Alkalinity (ppm as CaCO ₃)
Permanent Hardness, as CaCO ₃ , (ppm)	25	122	RA Effective Hardness, (ppm as CaCO ₃)
Temporary Hardness, as CaCO ₃ , (ppm)	122	87	Residual Alkalinity (RA), (ppm as CaCO ₃)

Ion Concentration Conversion Calculator

Input Reporting Unit	Input	Output	Output Reporting Unit
Calcium (ppm as CaCO ₃)	39.0	15.6	Calcium (ppm)
Magnesium (ppm as CaCO ₃)	12.0	2.9	Magnesium (ppm)
Bicarbonate (ppm as CaCO ₃)	146.3	178.5	Bicarbonate (ppm)
Carbonate (ppm as CaCO ₃)	0.7	0.4	Carbonate (ppm)
Sulfate (ppm as SO ₄ -S)	6.0	18.0	Sulfate (ppm)
Nitrate (ppm as NO ₃ -N)	0.9	4.0	Nitrate (ppm)
German Hardness (GH) (degrees)	0.0	0.0	Calcium (ppm)
Karbonate Hardness (KH) (degrees)	0.0	0.0	Bicarbonate (ppm)
Hardness (meq/L) or (mval)	0.0	0.0	Calcium (ppm)
Alkalinity (meq/L) or (mval)	121.0	7381.0	Bicarbonate (ppm)