

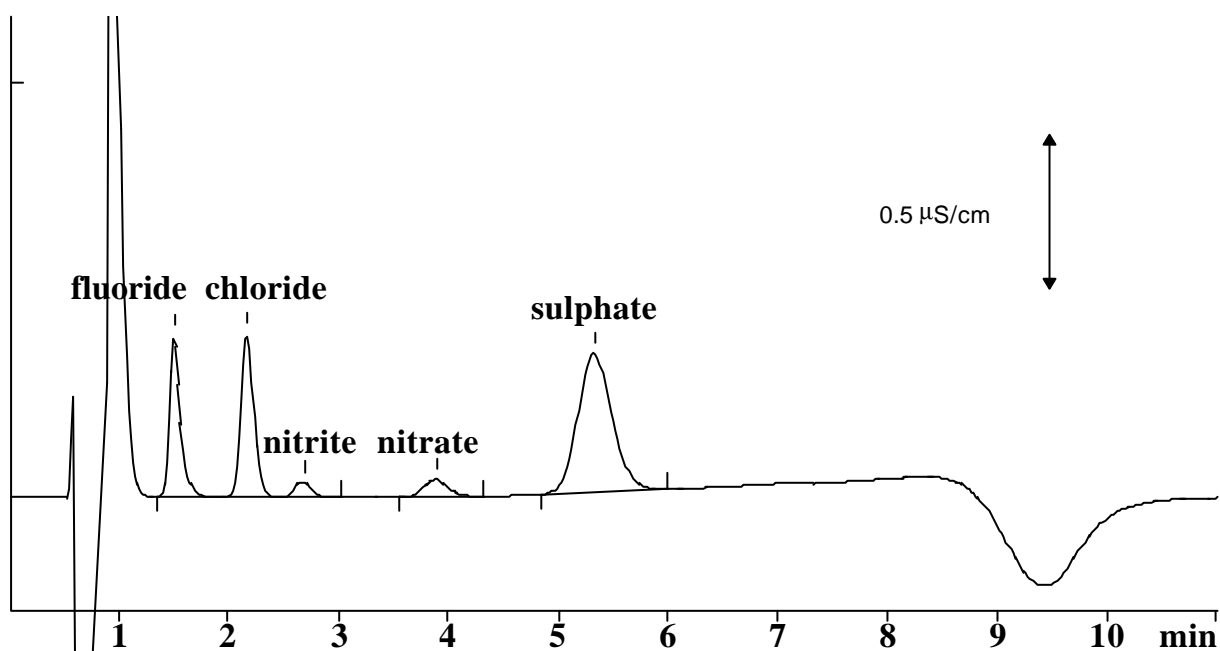
IC Application Note No. N-14

Title: Fluoride, Chloride, Nitrite, Nitrate and Sulphate in Effluent Water

Summary: Determination of fluoride, chloride, nitrite, nitrate and sulphate in effluent sample using anion chromatography with direct conductometric detection.

Sample: Effluent water
Sample Preparation: Cation exchange prior to injection

Column: 6.1009.000 SUPER-SEP Anion Column
Eluent: 2.5 mol/L phthalic acid, 5 % acetonitrile, pH = 4.1 (TRIS)
Flow: 1.5 mL/min
Injection Volume: 100 μ L



Results:	F ⁻ mg/L	Cl ⁻ mg/L	NO ₂ ⁻ mg/L	NO ₃ ⁻ mg/L	SO ₄ ²⁻ mg/L
	1.2	1.2	0.2	0.4	4.2