

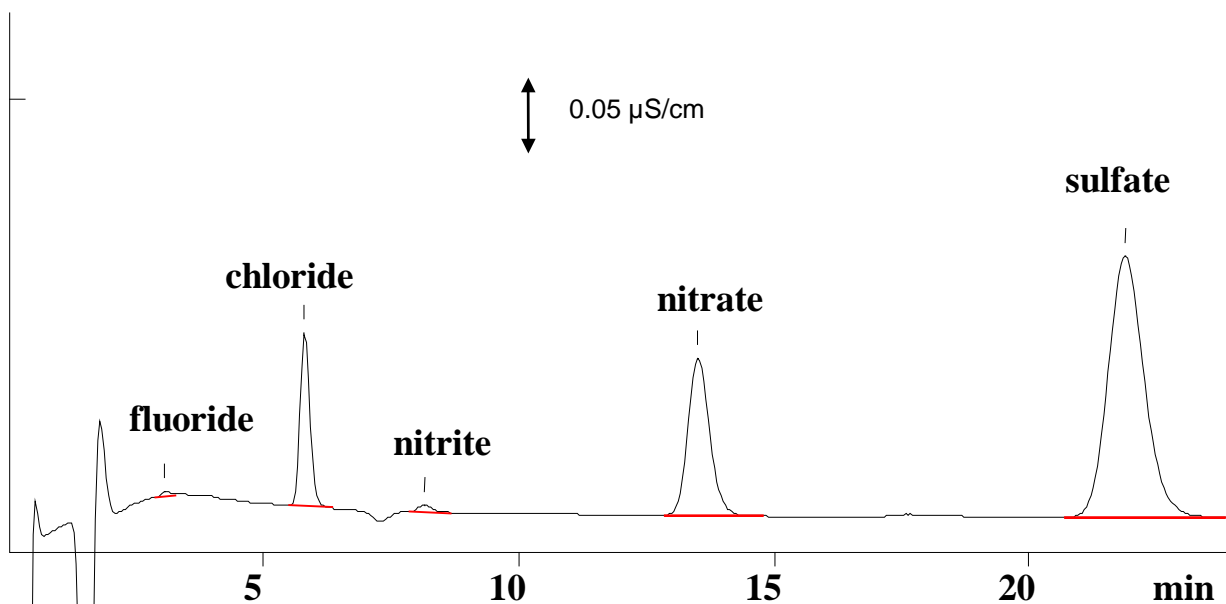
IC Application Note No. S-52

Title: Five anions in rain water

Summary: Determination of fluoride, chloride, nitrite, nitrate and sulfate in rain water using anion chromatography with conductivity detection after chemical suppression.

Sample: Rain water
Sample Preparation:

Column: 6.1006.100 Metrosep Anion Dual 2
Eluent: 2.0 mmol/L sodium hydrogencarbonate, 1.3 mmol/L sodium carbonate
Suppressor: Metrohm Suppressor Module (MSM, 50 mmol/L H₂SO₄)
Flow: 0.8 mL/min
Injection Volume: 20 µL



Results:	F ⁻ µg/L	Cl ⁻ µg/L	NO ₂ ⁻ µg/L	NO ₃ ⁻ µg/L	SO ₄ ²⁻ µg/L
		4	174	35	674