

IC Application Note No. S-26

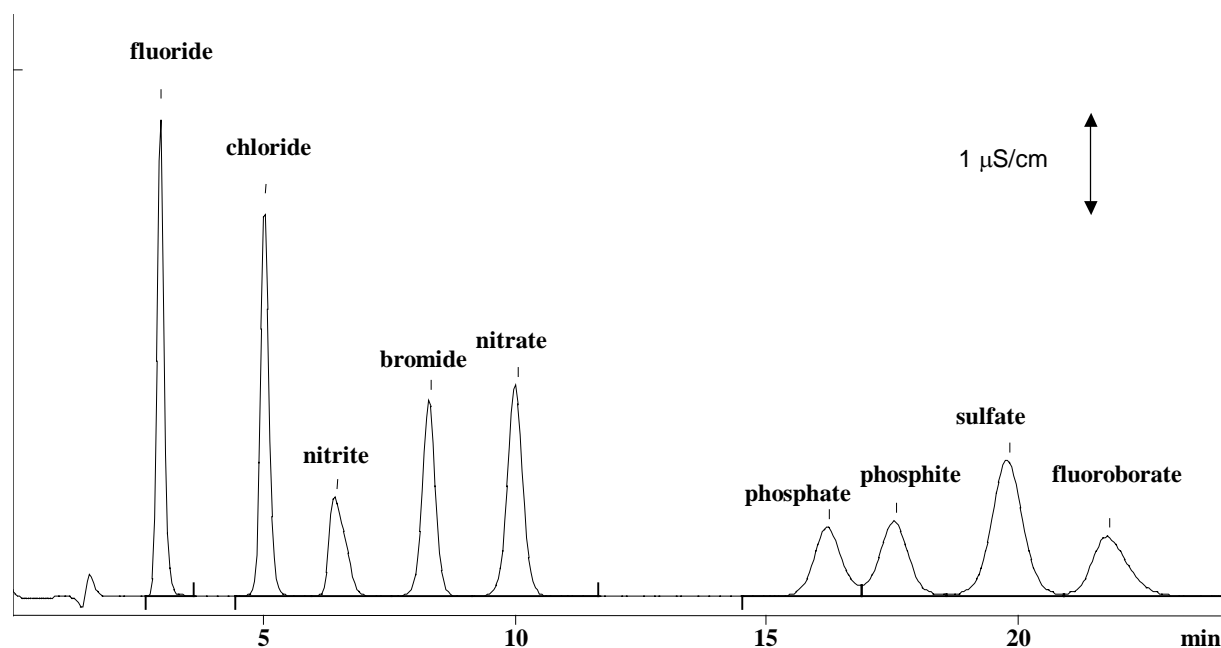
Title: Speciation of phosphate and phosphite

Summary: Separation of fluoride, chloride, nitrite, bromide, nitrate, phosphate, phosphite, sulfate and tetrafluoroborate using anion chromatography with conductivity detection after chemical suppression.

Sample: Standard

Sample Preparation:

Column: 6.1006.100 Metrosep Anion Dual 2
Eluent: 2 mmol/L sodium hydrogencarbonate, 1.3 mmol/L sodium carbonate, 12% acetone
Suppressor: Metrohm Suppressor Module (MSM, 50 mmol/L H₂SO₄)
Flow: 0.8 mL/min
Injection Volume: 20 µL



Results:	F ⁻ mg/L	Cl ⁻ , NO ₂ ⁻ mg/L	Br ⁻ , NO ₃ ⁻ , HPO ₄ ²⁻ , HPO ₃ ²⁻ , SO ₄ ²⁻ , BF ₄ ⁻ mg/L
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