

IC Application Note No. S-58

Title: Iodide besides the standard anions in a leach solution

Summary: Determination of fluoride, chloride, bromide, nitrate, sulfate and iodide in rock leachant using anion chromatography with conductivity detection after chemical suppression.

Sample: Rock leachant (pH = 7.0)

Sample Preparation:

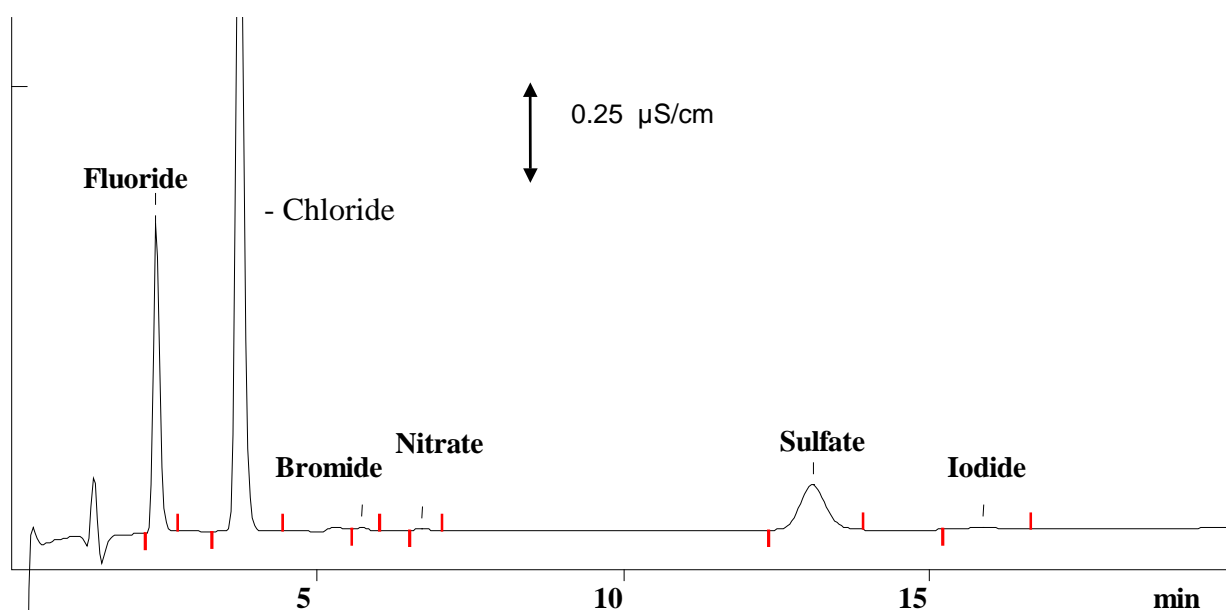
Column: 6.1006.100 Metrosep Anion Dual 2

Eluent: 2.0 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 ⁻ mg/L	Br ⁻ mg/L	NO ₃ ⁻ mg/L	SO ₄ ²⁻ mg/L	I ⁻ mg/L
		2.67	11.5	0.143	0.79	3.41