

IC Application Note No. S-73

Title: Chloride, bromide and sulfate in sea water

Summary: Determination of chloride, bromide and sulfate in sea water using anion chromatography with conductivity detection after chemical suppression.

Sample: Sea water

Sample Preparation: Dilution 1 : 200

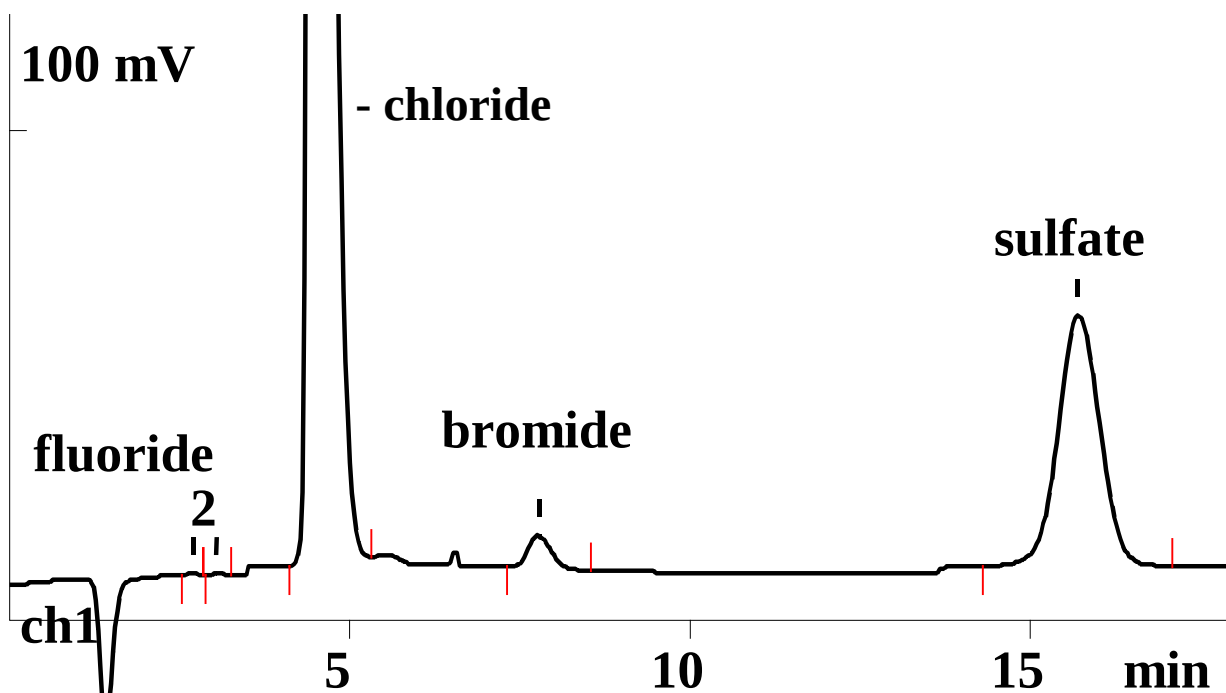
Column: 6.1006.100 Metrosep Anion Dual 2

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:	Fluoride mg/L	Chloride g/L	Bromide mg/L	Sulphate g/L
	0.6	20.6	43.7	3.31
Full scale (µS/cm): (changed by time program)	10	100	10	50