

IC Application Note No. S-17

Title: Chloride, bromide and sulfate in sea water

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

Sample: Synthetic sea water

Sample Preparation: Dilution 1:250

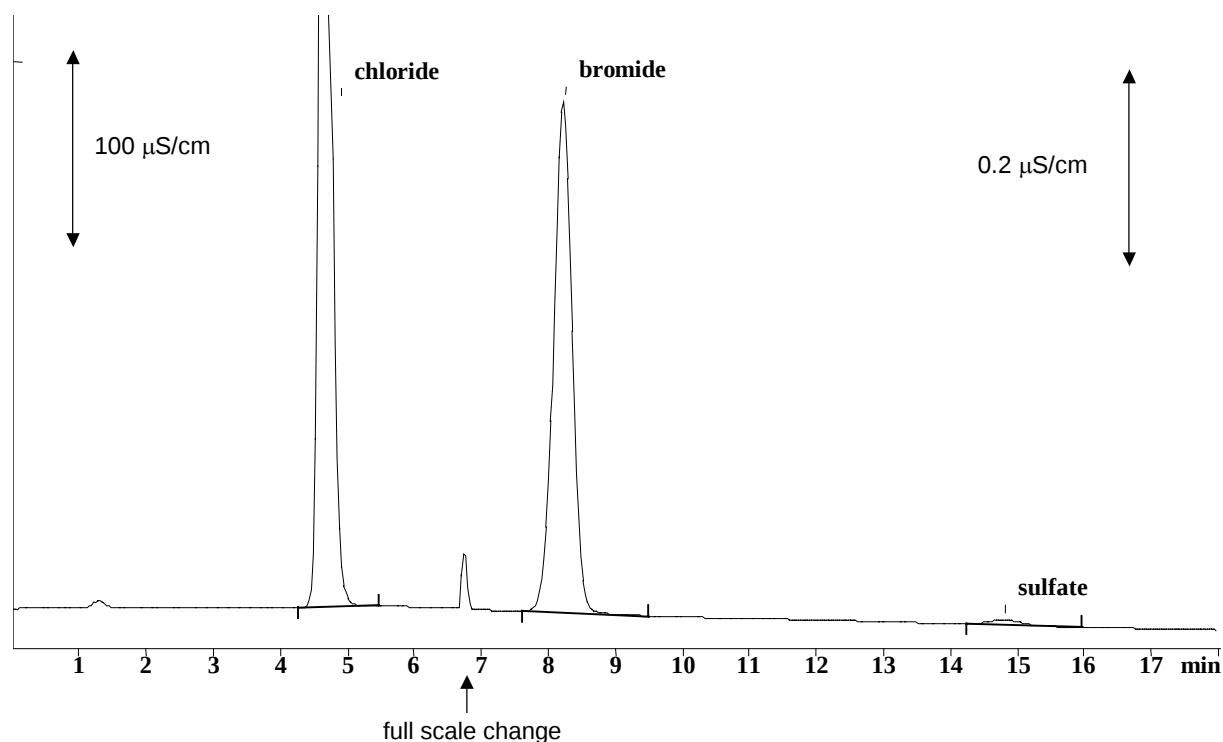
Column: 6.1006.100 Metrosep Anion Dual 2

Eluent: 2 mmol/L sodium hydrogencarbonate,
1.5 mmol/L sodium carbonate

Suppressor: Metrohm Suppressor Module (MSM, 50 mmol/L H₂SO₄)

Flow: 0.8 mL/min

Injection Volume: 20 µL



Results:	Chloride mg/L	Bromide mg/L	Sulfate mg/L
	21000	790	9.6