

IC Application Note No. S-106

Title: Four anions in process waste water
(A SUPP 1)

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

Sample: Process waste water (contains 4 mol/L H₂SO₄)

Sample Preparation: Dilution 1 : 1000

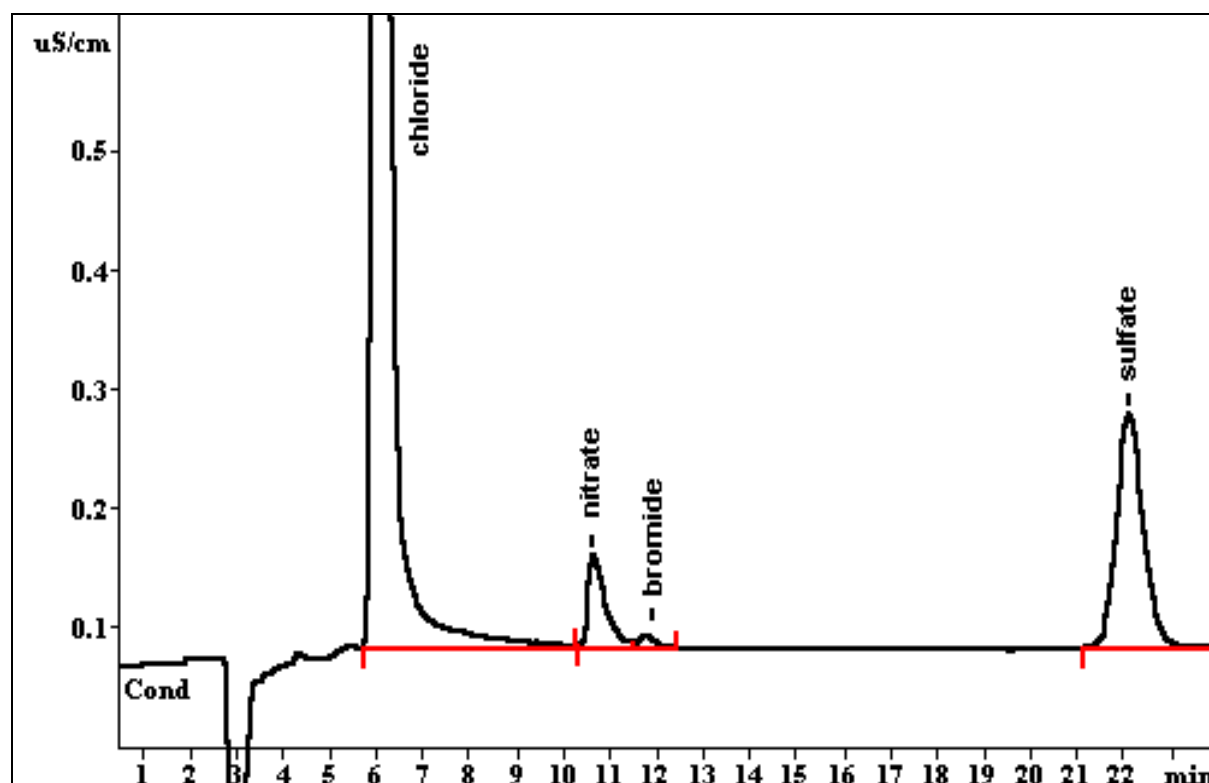
Column: 6.1005.300 Metrosep A Supp 1

Eluent: 3 mmol/L sodium carbonate

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

Flow: 1.0 mL/min

Injection Volume: 20 µL



Results:	Chloride g/L	Bromide g/L	Nitrate g/L	H ₂ SO ₄ mol/L
	37.53	0.068	0.402	4