

IC Application Note No. S-84

Title: Chloride, phosphate, phosphite and sulfate in dye solution

Summary: Determination of chloride, phosphate, phosphite and sulfate in dye solution using anion chromatography with conductivity detection after chemical suppression.

Sample: Dye solution

Sample Preparation: Dilution 1 : 200

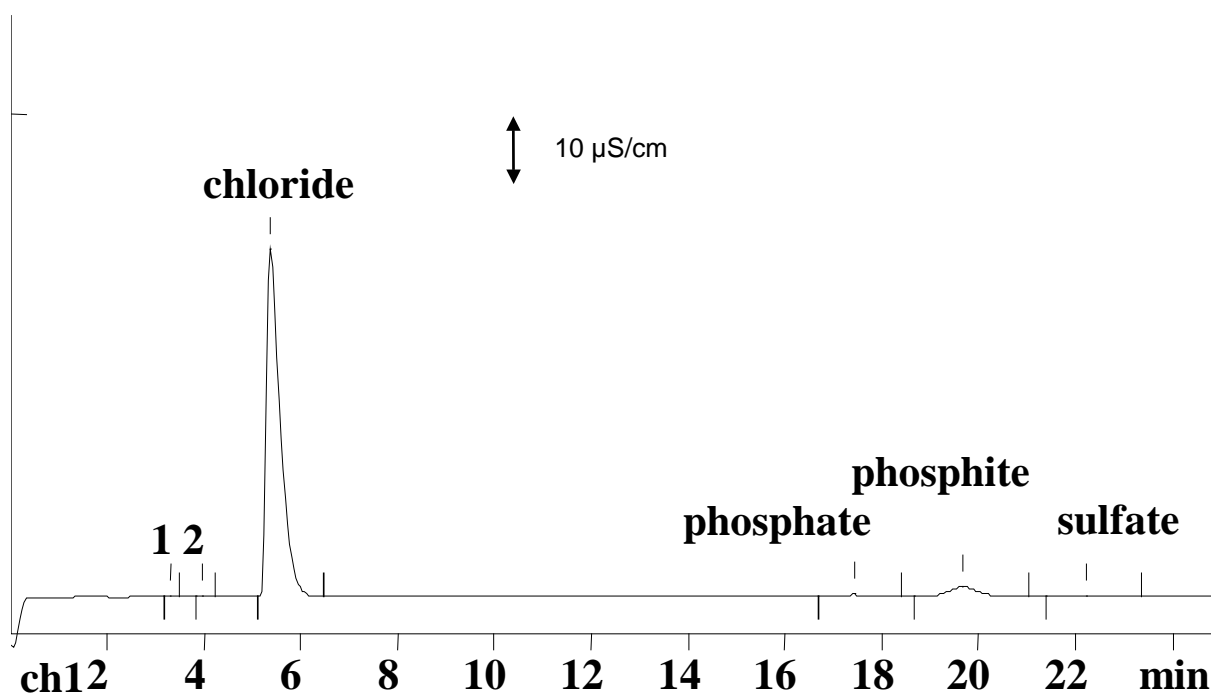
Column: 6.1006.100 Metrosep Anion Dual 2

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:	Chloride g/L	Phosphate g/L	Phosphite g/L	Sulfate g/L
	18.0	1.2	8.1	0.41