

IC Application Note No. S-121

Title: Fluoride, glycolate, monochloroacetate and chloride in a surfactant solution

Summary: Determination of fluoride, glycolate, monochloroacetate and chloride in a surfactant solution using anion chromatography with conductivity detection after chemical suppression and dialysis as sample preparation.

Sample: Surfactant solution

Sample Preparation: 0.1 g of sample diluted in 100 mL ultrapure water

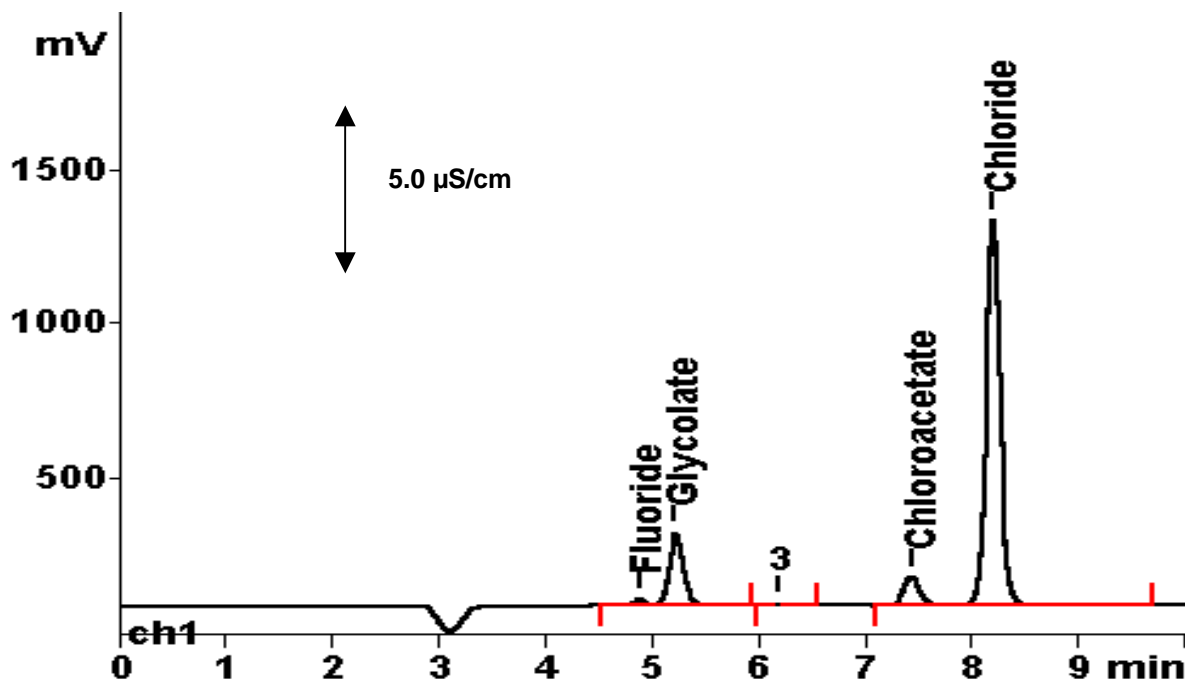
Column: 6.1006.530 Metrosep A SUPP 5-250

Eluent: 1.0 mmol/L sodium hydrogencarbonate,
3.0 mmol/L sodium carbonate

Suppressor: MSM (50 mmol/L H₂SO₄)

Flow: 0.7 mL/min

Injection Volume: 20 µL after dialysis



Results:	Fluoride g/kg	Glycolate g/kg	Monochloroacetate g/kg	Chloride g/kg
	0.103	7.327	3.099	10.85