

IC Application Note No. S-184

Title: Fluoride, chloride and sulfate in absorption solutions containing H₂O₂

Summary: Determination of fluoride, chloride and sulfate in an absorption solution containing H₂O₂ using anion chromatography with conductivity detection after chemical suppression.

Sample: Absorption solution containing H₂O₂

Sample Preparation: Dilution 1 : 20

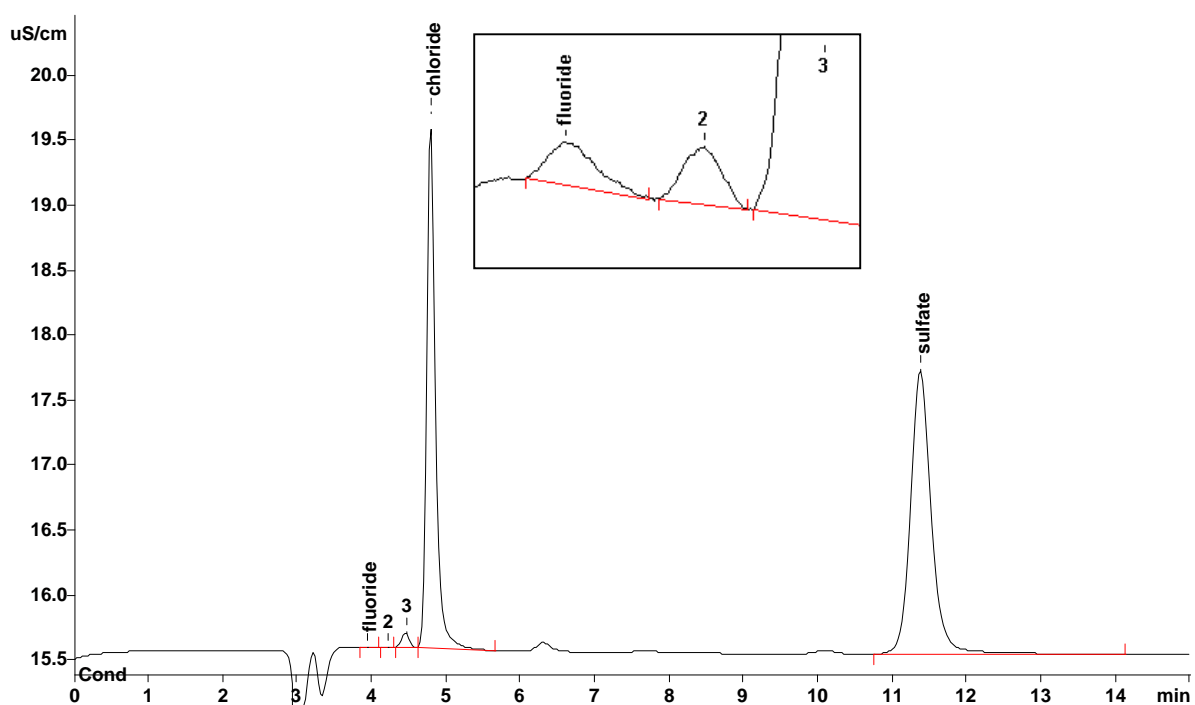
Column: 6.1005.320 Metrosep A Supp 3

Eluent: 1.8 mmol/L sodium carbonate
1.7 mmol/L sodium hydrogen carbonate

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

Flow: 1.0 mL/min

Injection Volume: 20 µL



Results:	Fluoride mg/L	Chloride mg/L	Sulfate mg/L
	0.034	68.76	124.5