

IC Application Note No. S-228

Title: Anions in perfluorocarbon

Summary: Determination of fluoride, chloride, nitrate, sulfate and oxalate in a perfluorocarbon material applying anion chromatography with conductivity detection after chemical suppression.

Sample: Perfluorocarbon material

Sample Preparation: Preconcentration of 2 mL of the extraction solution (Metrosep A PCC, 6.1006.300)

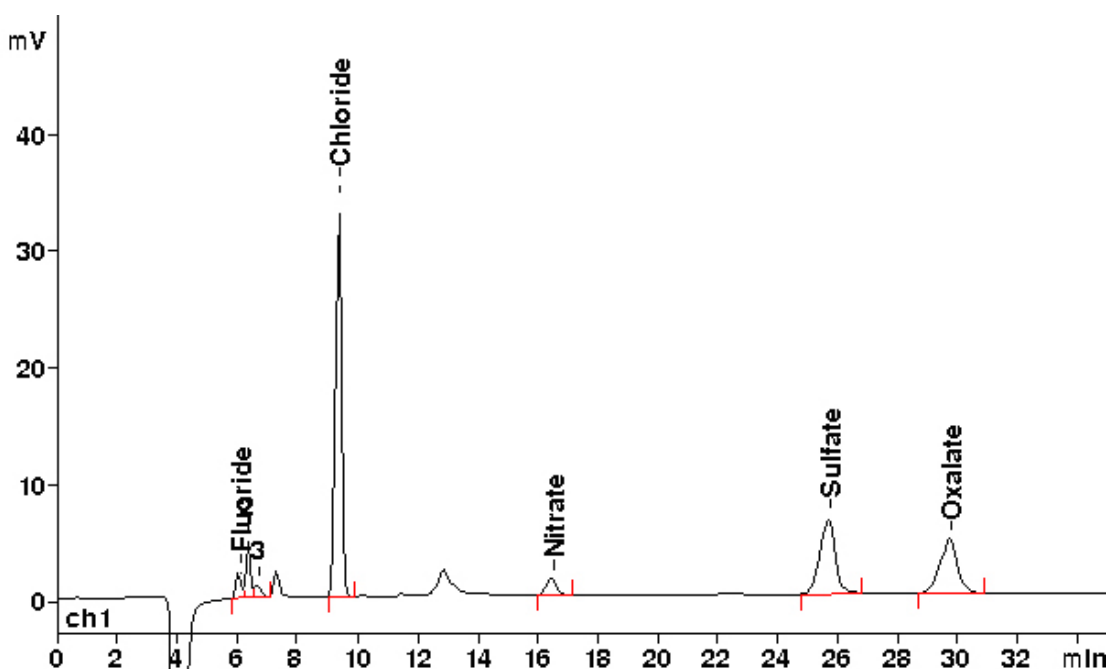
Column: 6.1006.530 Metrosep A Supp 5 – 250

Eluent: 3.2 mmol/L sodium carbonate
1.0 mmol/L sodium hydrogencarbonate

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

Flow: 0.7 mL/min

Injection Volume: 2 mL



Results:	Fluoride µg/L	Chloride µg/L	Nitrate µg/L	Sulfate µg/L	Oxalate µg/L
	0.59.	19.95	2.84	18.00	21.05