

IC Application Note No. S-234

Title: Oxohalides and monovalent organic acids beside standard anions

Summary: Determination of chlorite, bromate, chlorate, glycolate, acetate and formate beside fluoride, chloride, nitrite, bromide, nitrate, phosphate and sulfate using anion chromatography with conductivity detection after chemical suppression.

Sample: Standard

Sample Preparation: –

Column: 6.1006.630 Metrosep A Supp 7

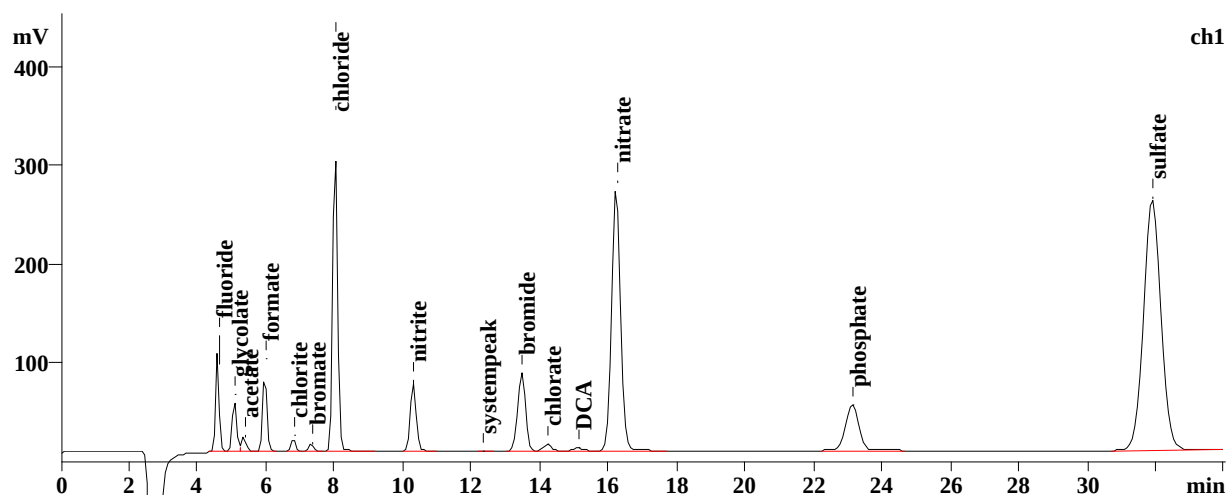
Temperature: 45 °C

Eluent: 1.4 mmol/L sodium carbonate,
5.0 mmol/L sodium hydrogencarbonate

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

Flow: 1.0 mL/min

Injection Volume: 50 µL



Results:	Fluoride	Glycolate	Acetate	Formate	Chlorite	Bromate	Chloride	Nitrite
mg/L	2	5	5	5	1	1	10	5
	Systempeak	Bromide	Chlorate	DCA	Bromide	Nitrate	Phosphate	Sulfate
mg/L	n.q.	10	1	1	10	30	15	40