

IC Application Note No. S-187

Title: Iodide besides standard anions in mineral water

Summary: Determination of fluoride, chloride, nitrite, bromide, nitrate, phosphate, sulfate and iodide in a mineral water using anion chromatography with conductivity detection after chemical suppression.

Sample: Mineral water

Sample Preparation: Degassing under vacuum (< 10 mbar)

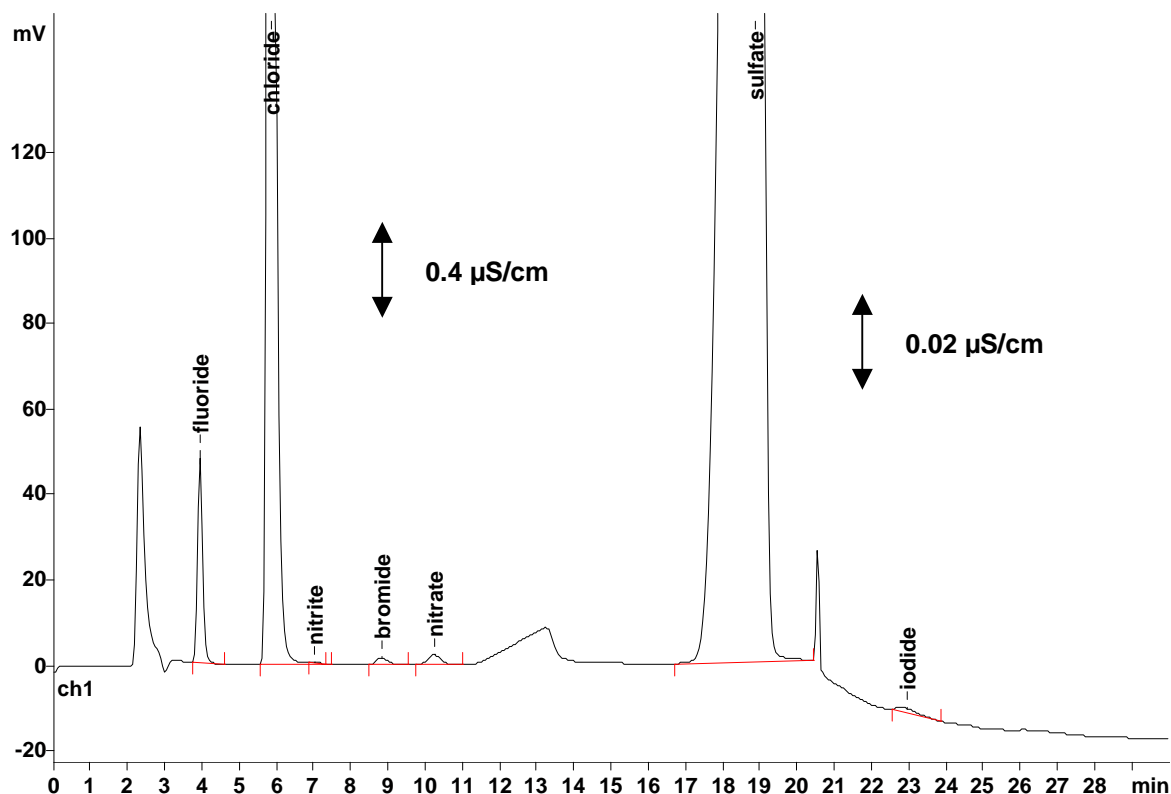
Column: 6.1006.430 Metrosep A Supp 4 – 250

Eluent: 1.0 mmol/L sodium carbonate
4.0 mmol/L sodium hydrogen carbonate

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

Flow: 1.0 mL/min

Injection Volume: 20 μ L



Results:	Fluoride mg/L	Chloride mg/L	Nitrite mg/L	Bromide mg/L	Nitrate mg/L	Phosphate mg/L	Sulfate mg/L	Iodide mg/L
	0.687	17.43	0.037	0.181	0.267	< 0.01	121.2	0.034