

IC Application Note No. S-239

Title: Oxyhalides and standard anions according to EPA 300.1 applying the A Supp 5 – 250

Summary: Determination of fluoride, chlorite, bromate, chloride, nitrite, dichloroacetate (surrogate), chlorate, bromide, nitrate, phosphate and sulfate according to US EPA 300.1 A and B using anion chromatography with conductivity detection after sequential suppression.

Sample: Standard

Sample Preparation: None

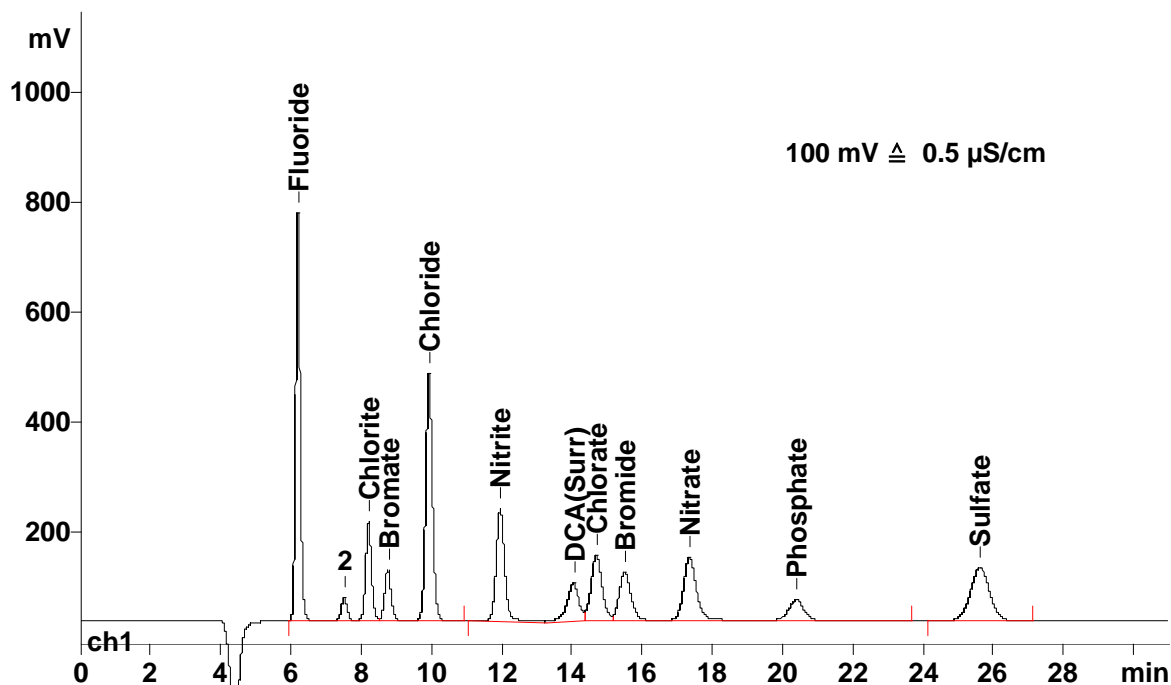
Column: 6.1006.530 Metrosep A Supp 5 – 250
6.1005.330 Metrosep A Supp 1 Guard

Eluent: 3.5 mmol/L sodium carbonate

Suppressor: MSM (50 mmol/L H₂SO₄)

Flow: 0.7 mL/min

Injection Volume: 100 µL



Results:	F ⁻	ClO ₂ ⁻	BrO ₃ ⁻	Cl ⁻	NO ₂ ⁻	Br ⁻	ClO ₃ ⁻	DCA	NO ₃ ⁻	PO ₄ ³⁻	SO ₄ ²⁻
µg/L	200	200	200	200	200	200	200	200	200	200	200