

IC Application Note No. S-256

Title: Thirteen anions separated on the Metrosep A Supp 7 – 250

Summary: Determination of fluoride, hypophosphite, chlorite, bromate, chloride, nitrite, bromide, chlorate, nitrate, phosphite, phosphate, sulfate and iodide using anion chromatography with conductivity detection after chemical suppression.

Sample: Standard solution

Sample Preparation: None

Column: 6.1006.630 Metrosep A Supp 7 – 250

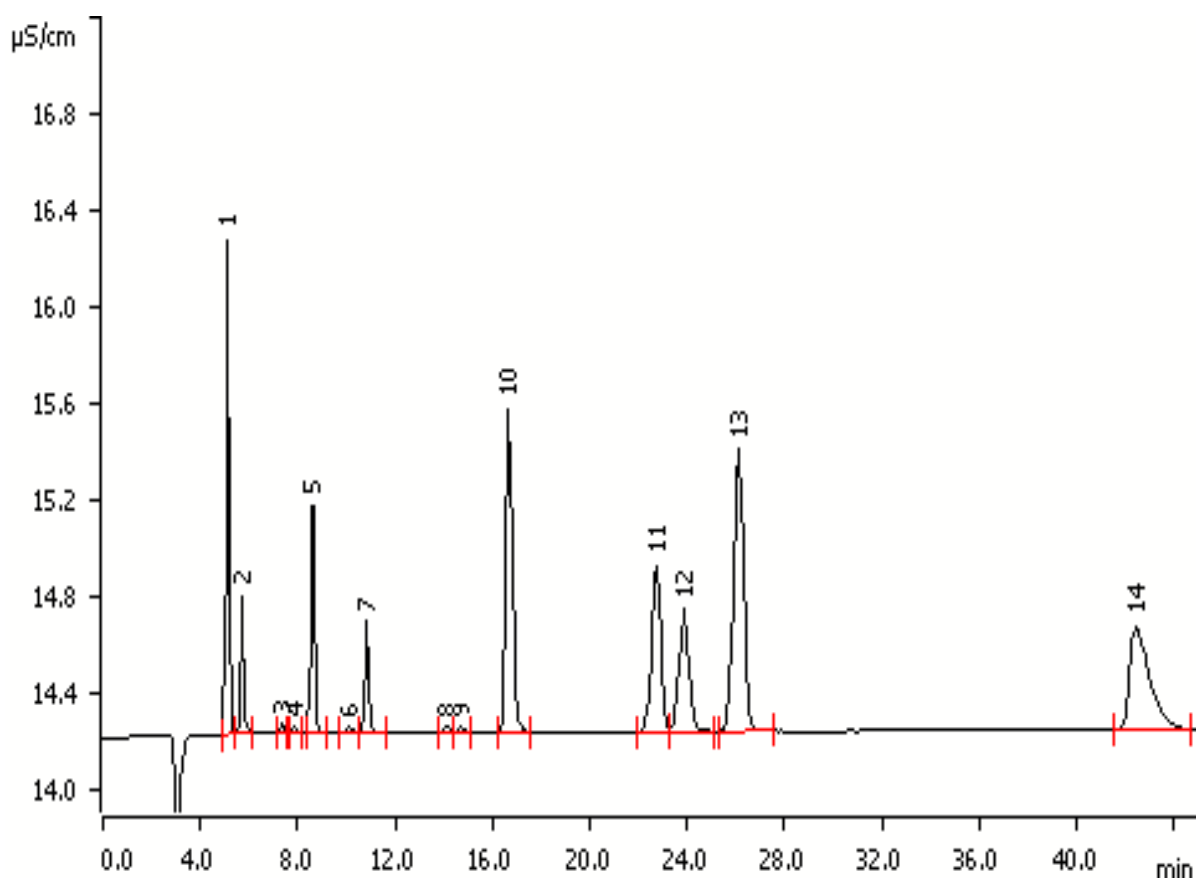
Eluent: 3.6 mmol/L sodium carbonate

Suppressor: Sequential suppression: MSM (100 mmol/L H₂SO₄), MCS

Flow: 0.8 mL/min

Column temperature: 45°C

Injection Volume: 20 µL



Results:	Fluoride (1) mg/L	Hypophosphite (2) mg/L	Chlorite (3) mg/L	Bromate (4) mg/L	Chloride (5) mg/L
	1.0	1.0	0.1	0.1	1.0

Results: continued	Nitrite(7) mg/L	Bromide (8) mg/L	Chlorate (9) mg/L	Nitrate (10) mg/L	Phosphite (11) mg/L
	1.0	0.1	0.1	5.0	5.0

Results: continued	Phosphate (12) mg/L	Sulfate (13) mg/L	Iodide (14) mg/L
	5.0	5.0	10.0