

IC Application Note No. S-259

Title: Phosphate and citrate separated on the Metrosep A Supp 15 – 100 column

Summary: Determination of chloride, nitrate, sulfate, phosphate and citrate using anion chromatography with conductivity detection after chemical suppression.

Sample: Standard solution

Sample Preparation: None

Column: 6.1030.410 Metrosep A Supp 15 – 100

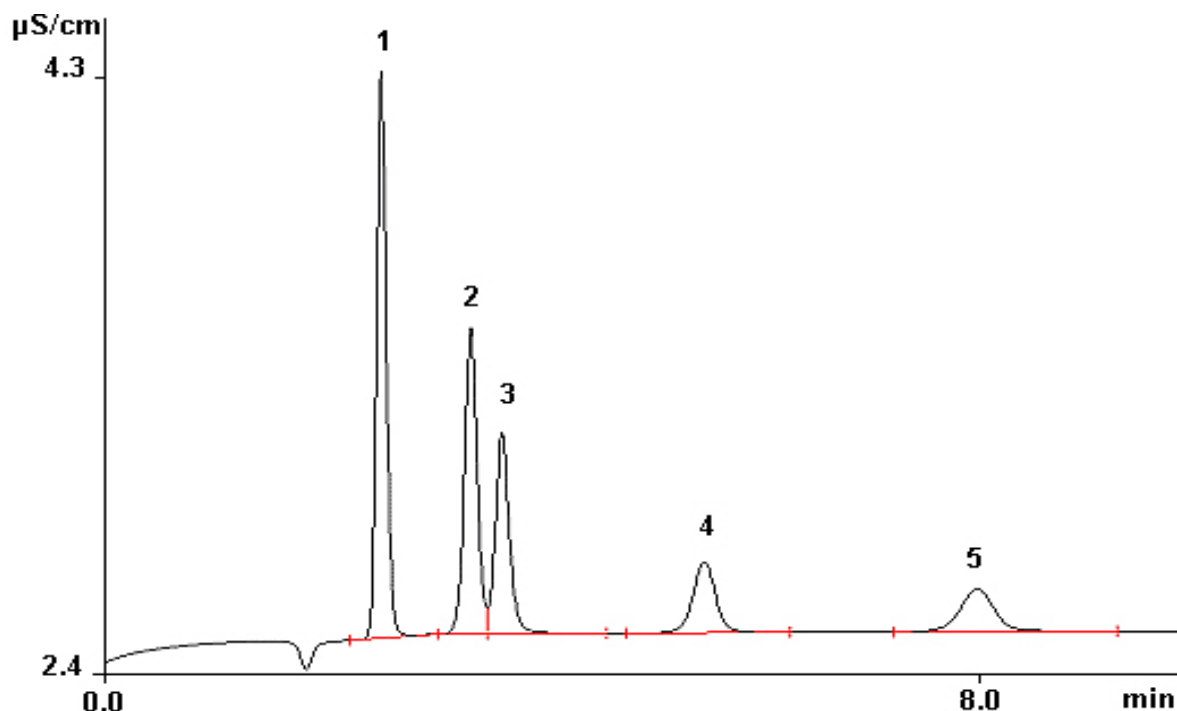
Eluent: 3.0 mmol/L sodium carbonate
50.0 mmol/L sodium hydroxide

Suppressor: Sequential suppression: MSM (50 mmol/L H₂SO₄), MCS

Flow: 0.8 mL/min

Column temperature: 45°C

Injection Volume: 20 µL



Results:	Chloride (1) mg/L	Sulfate (2) mg/L	Nitrate (3) mg/L	Phosphate (4) mg/L	Citrate (5) mg/L
	1.0	1.0	1.0	1.0	1.0