

IC Application Note No. S-103

Title: Five anions in water for infusion solutions

Summary: Determination of chloride, nitrite, bromide, nitrate and sulfate in water for infusion solution production using anion chromatography with conductivity detection after chemical suppression.

Sample: Water

Sample Preparation:

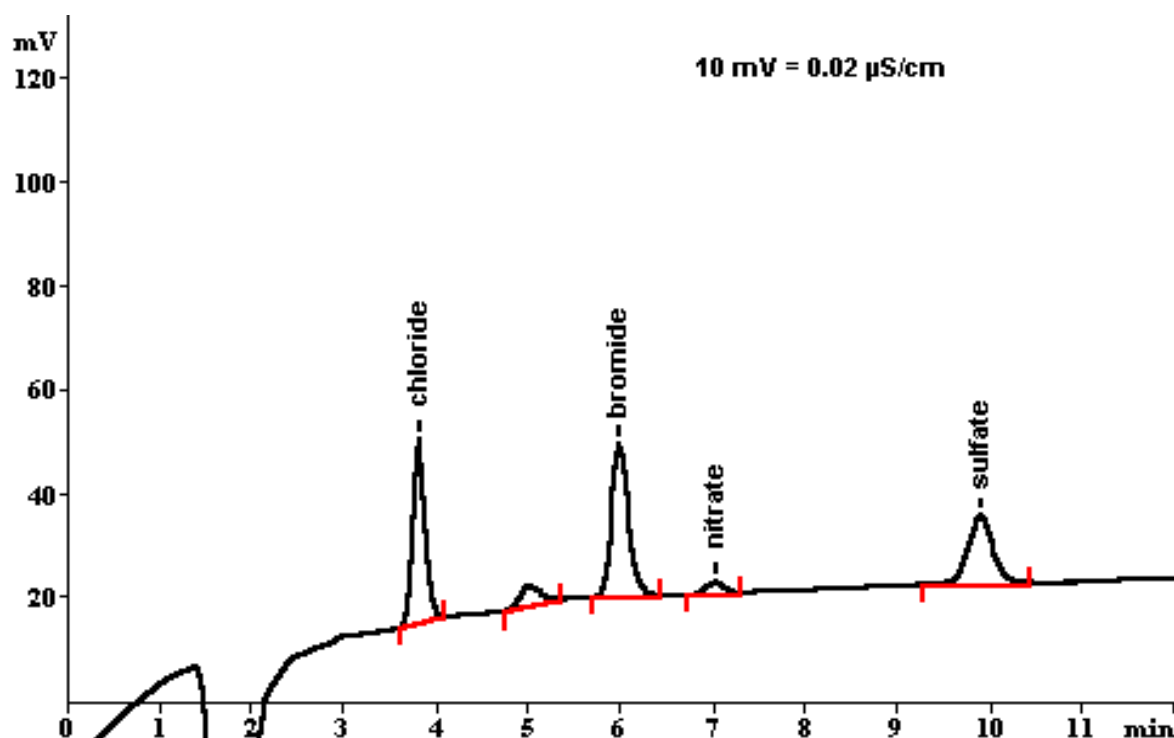
Column: 6.1006.510 Metrosep A Supp 5-100

Eluent: 3.2 mmol/L sodium hydrogencarbonate,
1.0 mmol/L sodium carbonate

Suppressor: Metrohm Suppressor Module (MSM, 50 mmol/L H₂SO₄)

Flow: 0.7 mL/min

Injection Volume: 20 µL



Results:	Chloride mg/L	Nitrite mg/L	Bromide mg/L	Nitrate mg/L	Sulfate mg/L
	0.05	n.d.	0.15	0.01	0.05