

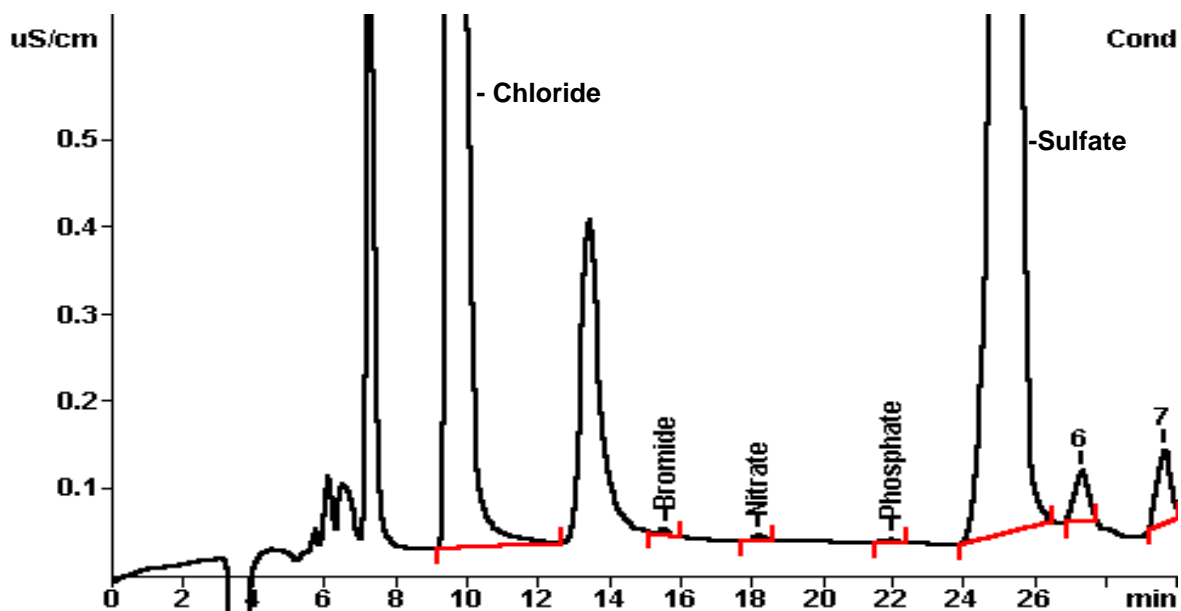
IC Application Note No. S-126

Title: Five anions in NaOH after inline neutralization

Summary: Determination of chloride, bromide, nitrate, phosphate and sulfate in 20% NaOH after inline neutralization by cation exchange on the 793 IC Sample Prep Module using anion chromatography with conductivity detection after chemical suppression.

Sample: 20 % NaOH
Sample Preparation: Inline cation exchange using 793 Sample Prep Module in the H⁺-form

Column: 6.1006.530 Metrosep A Supp 5-250
Eluent: 1.0 mmol/L sodium hydrogencarbonate, 3.2 mmol/L sodium carbonate
Suppressor: Metrohm Suppressor Module (MSM, 50 mmol/L H₂SO₄)
Flow: 0.7 mL/min
Injection Volume: 20 µL



Results:	Chloride	Bromide	Nitrate	Phosphate	Sulfate
	mg/L	mg/L	mg/L	mg/L	mg/L
	25 ^{*)}	0.016	0.016	0.024	25 ^{*)}

^{*)} spiked
 Components 6 and 7 are organic acids which have not been identified