

IC Application Note No. S-151

Title: Anions in a cleaning solution

Summary: Determination of bromoacetate, methanesulfonate, chloride, phosphate and sulfate in an acidic cleaning solution using anion chromatography with conductivity detection and chemical suppression.

Sample: Acidic cleaning solution

Sample preparation: Dilution 1 : 100 in ultrapure water

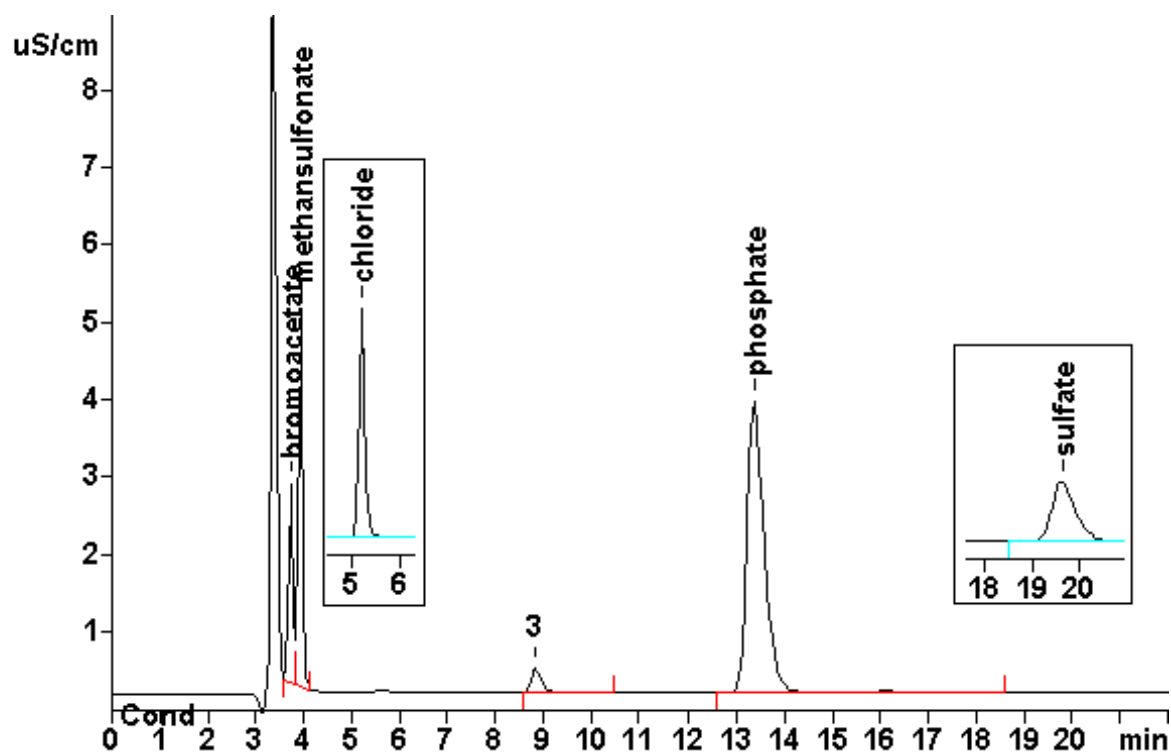
Column: 6.1005.300 Metrosep A SUPP 1

Eluent: 2.0 mmol/L sodium carbonate

Suppressor: MSM (50 mmol/L H₂SO₄)

Flow: 1.0 mL/min

Injection Volume: 20 µL



Results:	Bromocetate mg/L	Methanesulfonate mg/L	Chloride mg/L	Phosphate mg/L	Sulfate mg/L
	650	575	n.d.	2141	n.d.

Chloride and sulfate: not detected, respective peaks from a standard run added to the chromatogram