

# IC Application Note No. S-107

**Title:** Five anions in waste water using Metrosep A SUPP 3 column

**Summary:** Determination of fluoride, chloride, nitrate, phosphate and sulfate in waste water using anion chromatography with conductivity detection after chemical suppression.

**Sample:** Waste water

**Sample Preparation:**

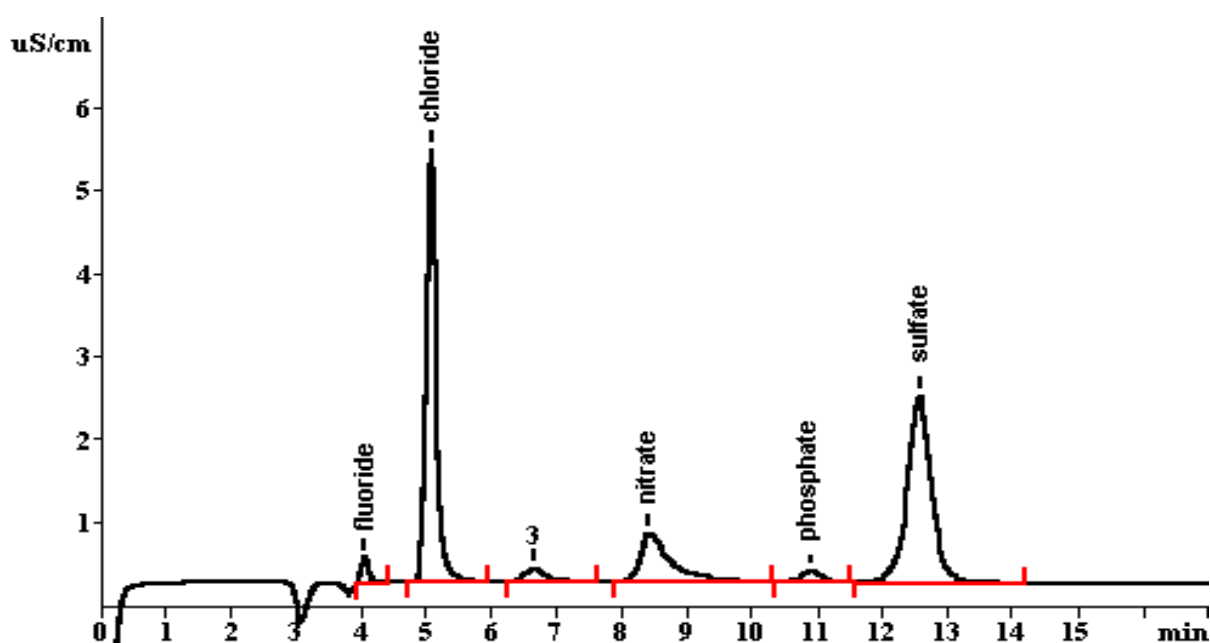
**Column:** 6.1005.320 Metrosep A Supp 3

**Eluent:** 1.7 mmol/L sodium hydrogencarbonate,  
1.8 mmol/L sodium carbonate

**Suppressor:** Metrohm Suppressor Module (MSM, 50 mmol/L H<sub>2</sub>SO<sub>4</sub>)

**Flow:** 1.0 mL/min

**Injection Volume:** 20 µL



<b>Results:</b>	Fluoride mg/L	Chloride mg/L	Nitrate mg/L	Phosphate mg/L	Sulfate mg/L
	0.18	5.94	4.12	1.41	8.59