

# IC Application Note No. S-57

**Title:** Acetate and benzoate besides the standard anions

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

**Sample:** Standard in ultra pure water

**Sample Preparation:**

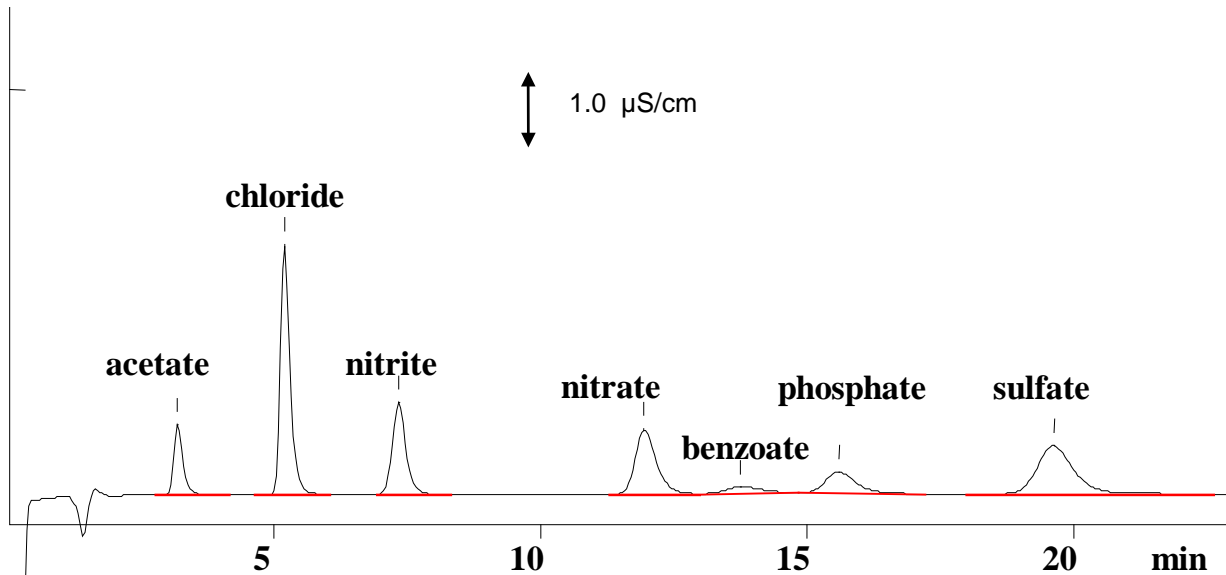
**Column:** 6.1006.100 Metrosep Anion Dual 2

**Eluent:** 2.0 mmol/L sodium hydrogencarbonate, 1.3 mmol/L sodium carbonate, 5 % acetone

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

**Flow:** 0.8 mL/min

**Injection Volume:** 20 µL



<b>Results:</b>	Acetate mg/L	Chloride, Nitrite, Nitrate, Benzoate, Phosphate, Sulfate mg/L
	<b>10.0</b>	<b>5.0</b>