

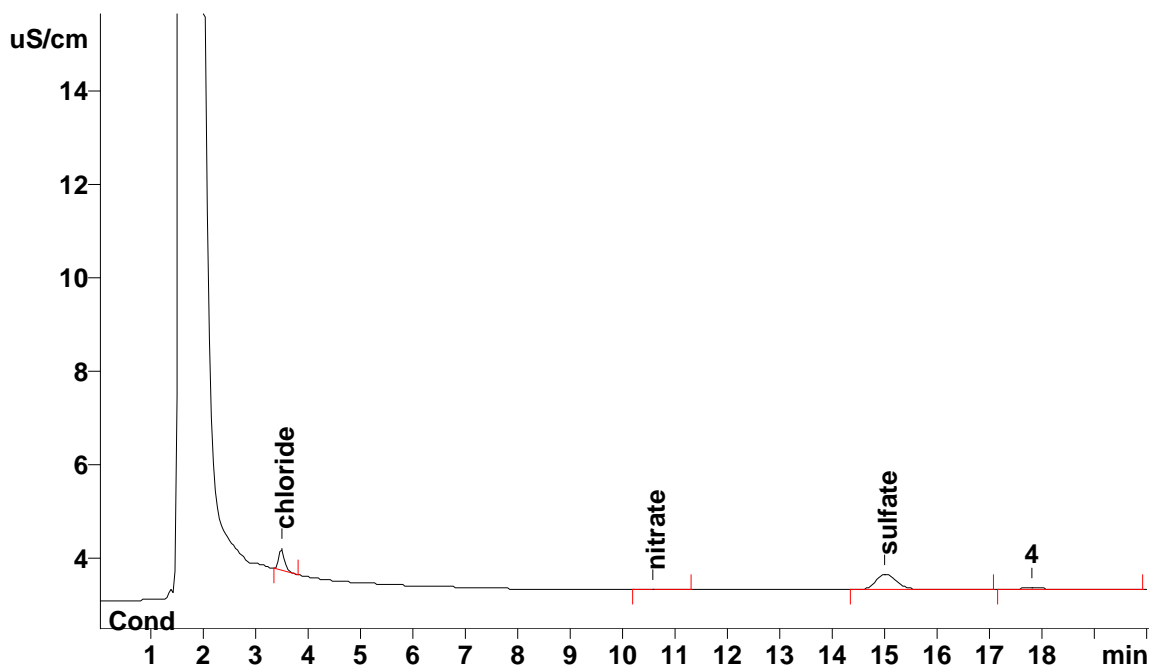
IC Application Note No. S-262

Title: Chloride, nitrate and sulfate in cobalt acetate solution applying Metrohm Inline Dilution

Summary: Determination of chloride, nitrate, and sulfate in cobalt acetate solution using anion chromatography with conductivity detection after sequential suppression applying Metrohm Inline Dilution.

Sample: Cobalt acetate solution
Sample Preparation: Metrohm Inline Dilution 1 : 50 with ultrapure water

Column: 6.1020.010 Metrosep A Supp 10 – 100
Eluent: 5.0 mmol/L sodium carbonate
 5.0 mmol/L sodium hydrogen carbonate
 5.0 µmol/L sodium perchlorate
Suppressor: Sequential Suppression (MSM: 0.1 mol/L H₂SO₄, 0.1 mol/L oxalic acid, 5% acetone)
Flow: 1.0 mL/min
Injection Volume: 20 µL



Results:	Chloride mg/L	Nitrate mg/L	Sulfate mg/L
	12.08	2.98	46.30