

IC Application Note No. N-1

Subject: Nitrate and Perchlorate in hydrochloric acid eluate

Summary: Determination of NO_3^- and ClO_4^- besides high excess of HCl using anion chromatography with direct conductivity detection (using time program for full scale change after 18 min.).

Sample: Hydrochloric acid containing eluate

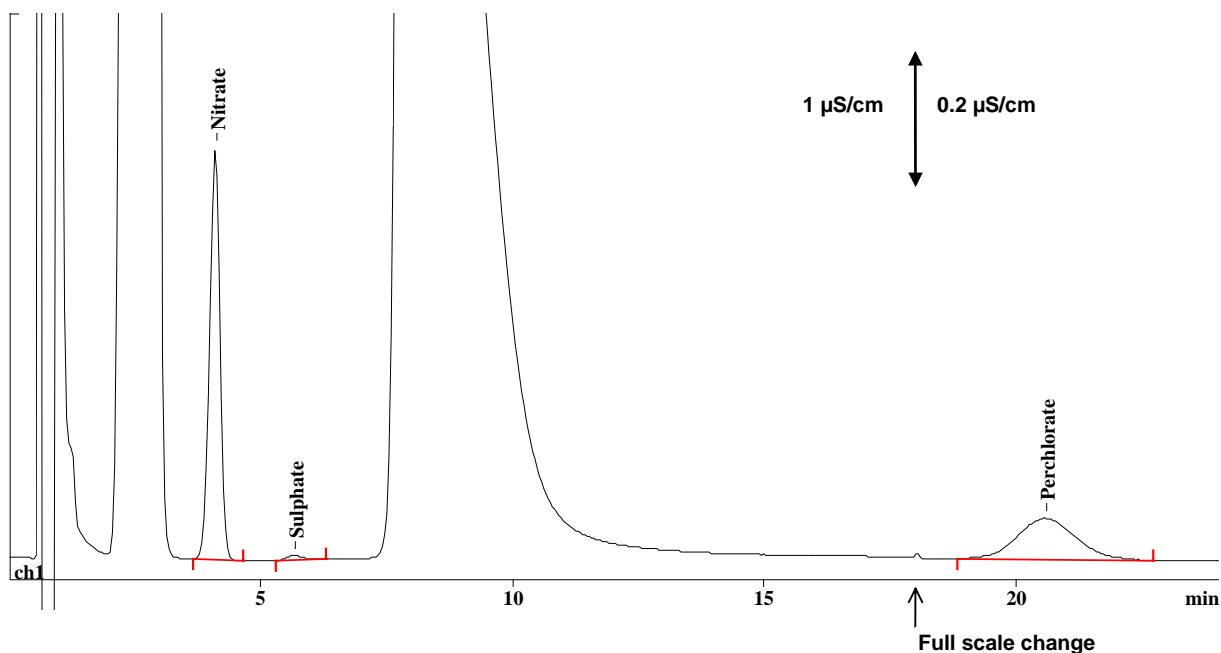
Sample Preparation: Dilution 1: 25 in ultra pure water

Column: 6.1009.000 SUPER-SEP Anion

Eluent: 2.5 mmol/L phthalic acid, 5 % acetonitrile, pH = 4.2 (TRIS)

Flow: 1.5 mL/min

Injection Volume: 100 μL



Results:	NO_3^- mg/L	SO_4^{2-}	ClO_4^- mg/L
		236.6	not quantified