

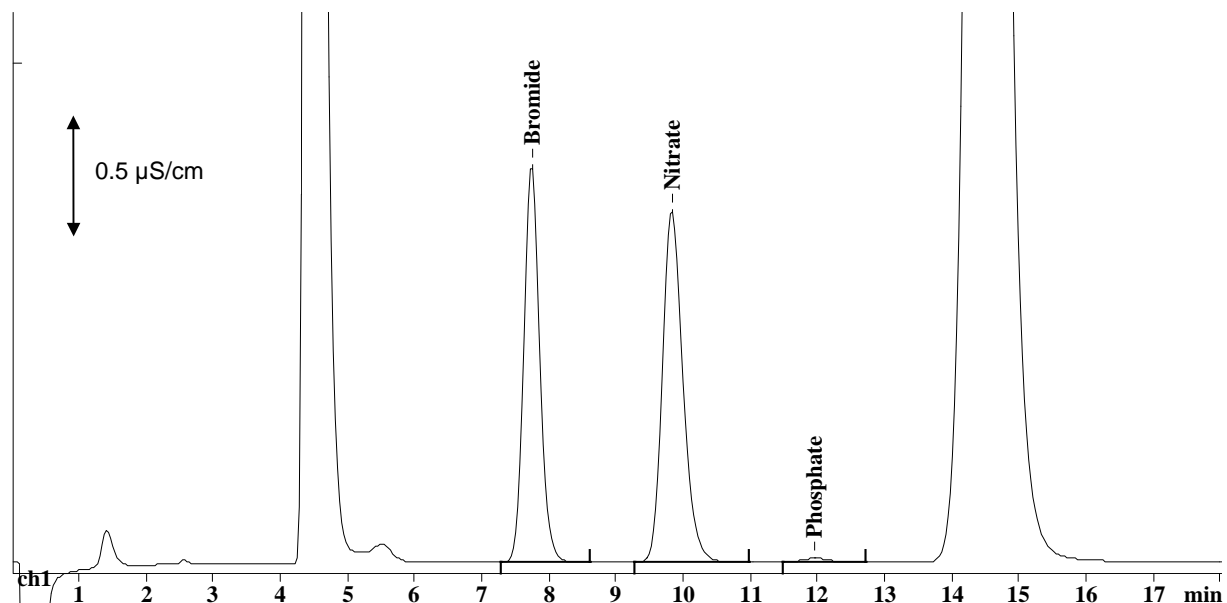
IC Application Note No. S-38

Title: Anions in waste water with high organic load using dialysis as sample preparation

Summary: Determination of bromide, nitrate and phosphate in waste water using anion chromatography with conductivity detection after chemical suppression and dialysis as sample preparation.

Sample: Waste water with high organic load
Sample Preparation: Dilution 1 : 5 with ultrapure water, direct injection using 754 Dialysis Unit

Column: 6.1006.100 Metrosep Anion Dual 2
Eluent: 2.0 mmol/L sodium hydrogencarbonate, 1.3 mmol/L sodium carbonate
Suppressor: Metrohm Suppressor Module (MSM, 50 mmol/L H₂SO₄)
Flow: 0.8 mL/min
Injection Volume: 20 µL after dialysis



Results:	Bromide mg/L	Nitrate mg/L	Phosphate mg/L
	81.9	72.3	2.50