

IC Application Note No. S-39

Title: Bromide and phosphate in waste dump drainage water using dialysis as sample preparation

Summary: Determination of bromide and phosphate in waste dump drainage water besides very high concentrations of other ions and organic substances using anion chromatography with conductivity detection after chemical suppression and dialysis as sample preparation.

Sample: Waste dump drainage water

Sample Preparation: Direct injection using 754 Dialysis Unit

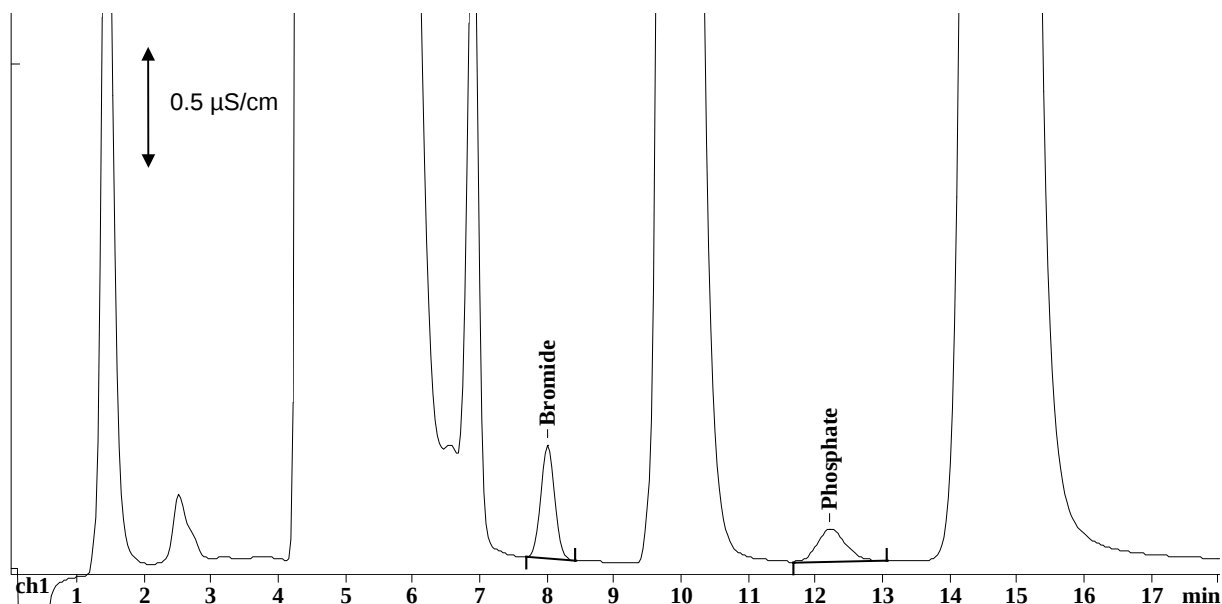
Column: 6.1006.100 Metrosep Anion Dual 2

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	Phosphate mg/L
	4.1	3.8