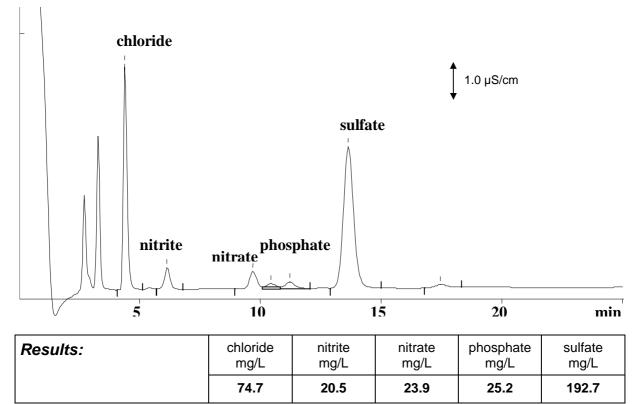
IC Application Note No. S-40

Title:	Five anions in cutting oil emulsions using dialysis as sample preparation
Summary:	Determination of chloride, nitrite, nitrate, phosphate and sulfate in cutting oil emulsion using anion chromatography with conductivity detection after chemical suppression and dialysis as sample preparation.
Sample:	Cutting oil emulsion
Sample Preparation:	Dilution 1 : 10 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 H ₂ SO ₄)
Flow:	0.8 mL/min
Injection Volume:	20 μL after dialysis



Peak no. 4 and 7 unknown