

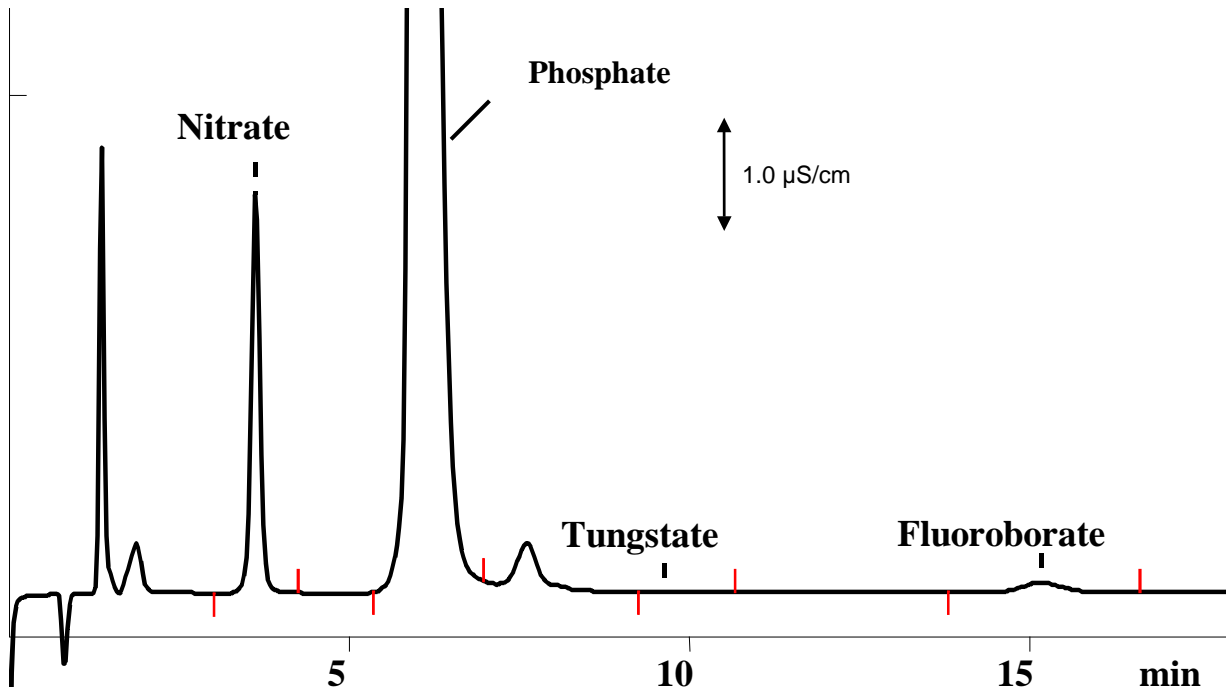
IC Application Note No. S-96

Title: Nitrate, phosphate, tungstate and tetrafluoroborate in a Zn/Mn solution

Summary: Determination of nitrate, phosphate, tungstate and tetrafluoroborate in a Zn/Mn solution using anion chromatography with conductivity detection after chemical suppression.

Sample: Zn/Mn solution
Sample Preparation: Dilution 1: 50, injected through H⁺ cartridge

Column: 6.1005.100 Phenomenex Starlon A300
Eluent: 1.8 mmol/L sodium hydrogencarbonate, 1.7 mmol/L sodium carbonate
Suppressor: Metrohm Suppressor Module (MSM, 50 mmol/L H₂SO₄)
Flow: 1.5 mL/min
Injection Volume: 20 µL



Results:	Nitrate	Phosphate	Tungstate	Tetrafluoroborate
	mg/L	g/L	mg/L	mg/L
	771	20.3	8.8	192