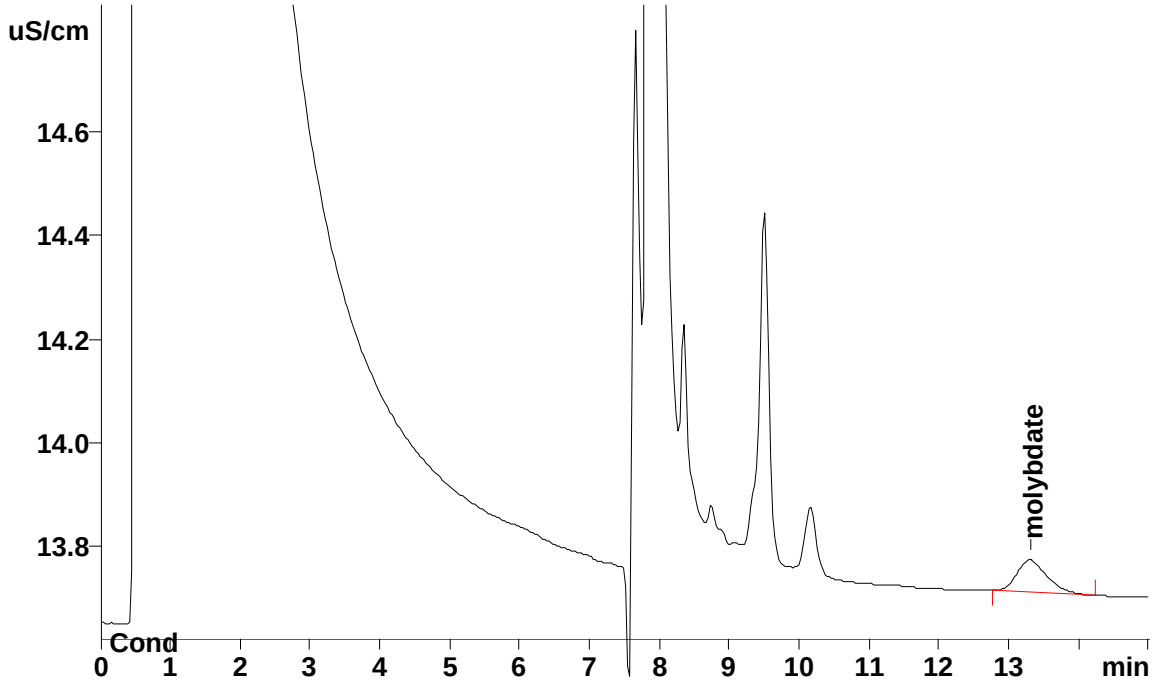
IC Application Note No. S-253

Title:	**Molybdate in 2.5% NaCl applying Inline Matrix Elimination by sample re-injection**

***Summary*:**	Determination of molybdate in 2.5% NaCl using anion chromatography with conductivity detection after chemical suppression and Inline Matrix Elimination by molybdate preconcentration after the first separation and subsequent re-injection.

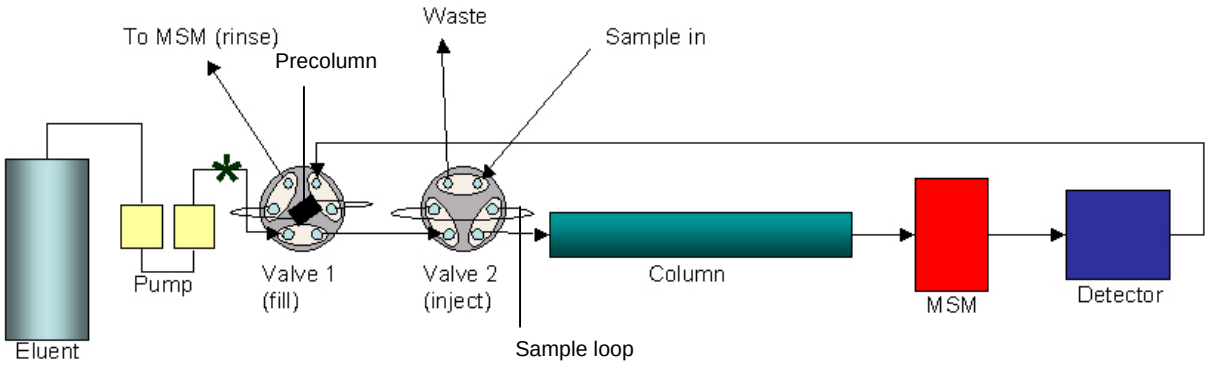
Sample:	1 mg/L molybdate in 2.5% NaCl
Sample Preparation:	Direct injection

Column:	6.1005.350 Metrosep A Supp 1 HS
Preconc. Column:	6.1006.300 Metrosep A PCC 1
Eluent:	3.0 mmol/L sodium carbonate
Suppressor:	Metrohm Suppressor Module (MSM, 200 mmol/L H_2SO_4)
Flow:	1.5 mL/min
Injection Volume:	20 µL



Results:	Molybdate mg/L
	1

System setup:



Step 1: Injection of the sample on «Valve 2»
Step 2: Molybdate collection on the preconcentration column on «Valve 1»
Step 3: Re-injection of the collected molybdate with «Valve 1»