

IC Application Note No. S-200

Title: Sulfate, molybdate and chromate in galvanic baths

Summary: Determination of sulfate, molybdate and chromate in a galvanic bath using anion chromatography with conductivity detection after chemical suppression.

Sample: Chromic acid – molybdenum bath

Sample Preparation: Dilution 1 : 1000 with ultrapure water, direct injection after filtration (0.45 µm)

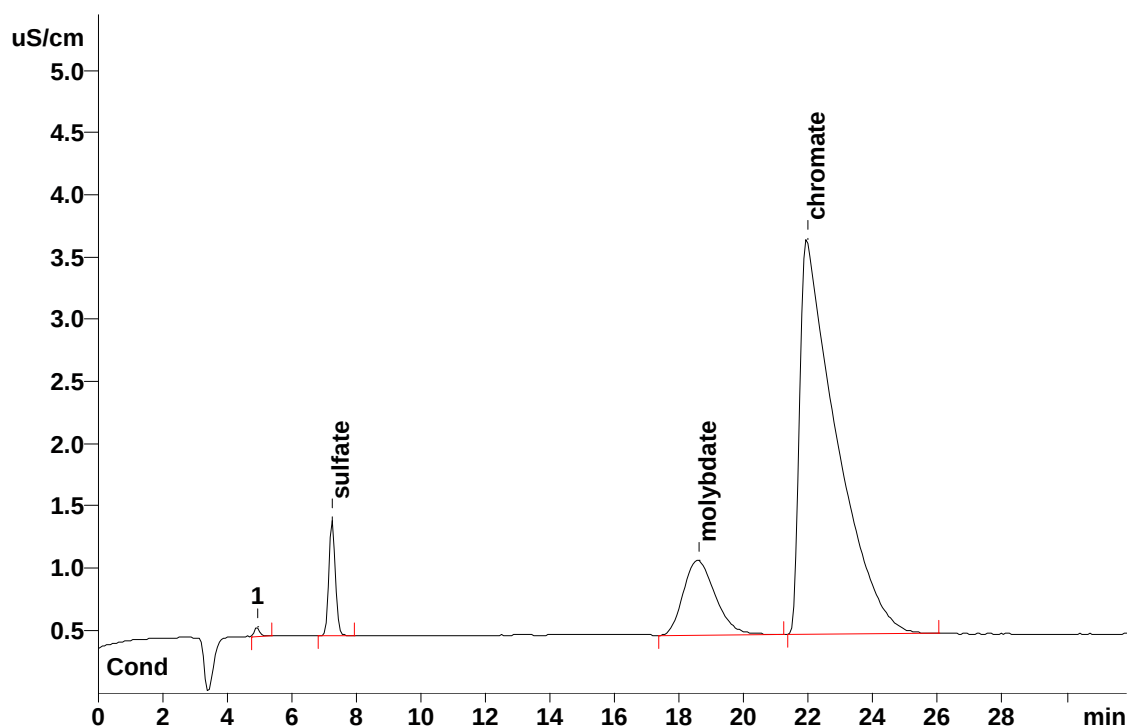
Column: 6.1005.300 Metrosep A Supp 1

Eluent: 16 mmol/L sodium carbonate

Suppressor: Metrohm Suppressor Module (Sample Preparation Unit, 250 mmol/L sulfuric acid)

Flow: 1.0 mL/min

Injection Volume: 10 µL



Results:	Sulfate g/L	Molybdate g/L	Chromate g/L
	6.41	55.98	238.6