

IC Application Note No. U-38

Title: Sulfide in mining waste water

Summary: Determination of sulfide in a mining waste water using anion chromatography with UV detection.

Sample: Mining waste water

Sample Preparation: None

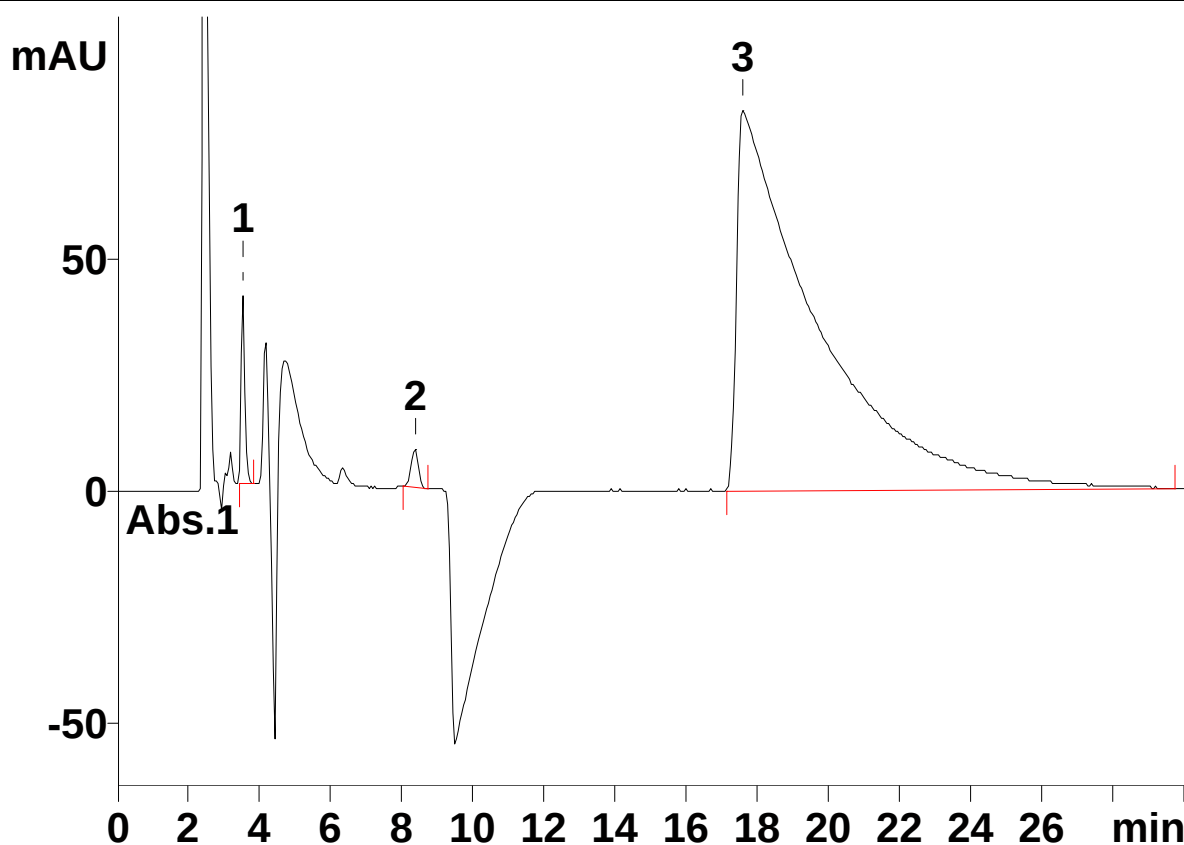
Column: 6.1005.300 Metrosep A Supp 1 – 250

Wavelength: 220 nm

Eluent: 4.0 mmol/L sodium carbonate

Flow: 1.0 mL/min

Injection Volume: 10 μ L



Chromatogram:	Sulfide (1) mg/L	Sulfite	Thiocyanate
<i>spiked</i>	8.74	n.q.	n.q.

The negative peaks at 4.4 and 9.5 minutes induced by high concentrations of chloride and sulfate respectively.