

IC Application Note No. S-279

Title: Perchlorate and thiosulfate separated on a guard column

Summary: Determination of perchlorate and thiosulfate using anion chromatography with conductivity detection after sequential suppression.

Sample: Standard solution

Sample Preparation: –

Column: 6.1006.540 Metrosep A Supp 4/5 Guard

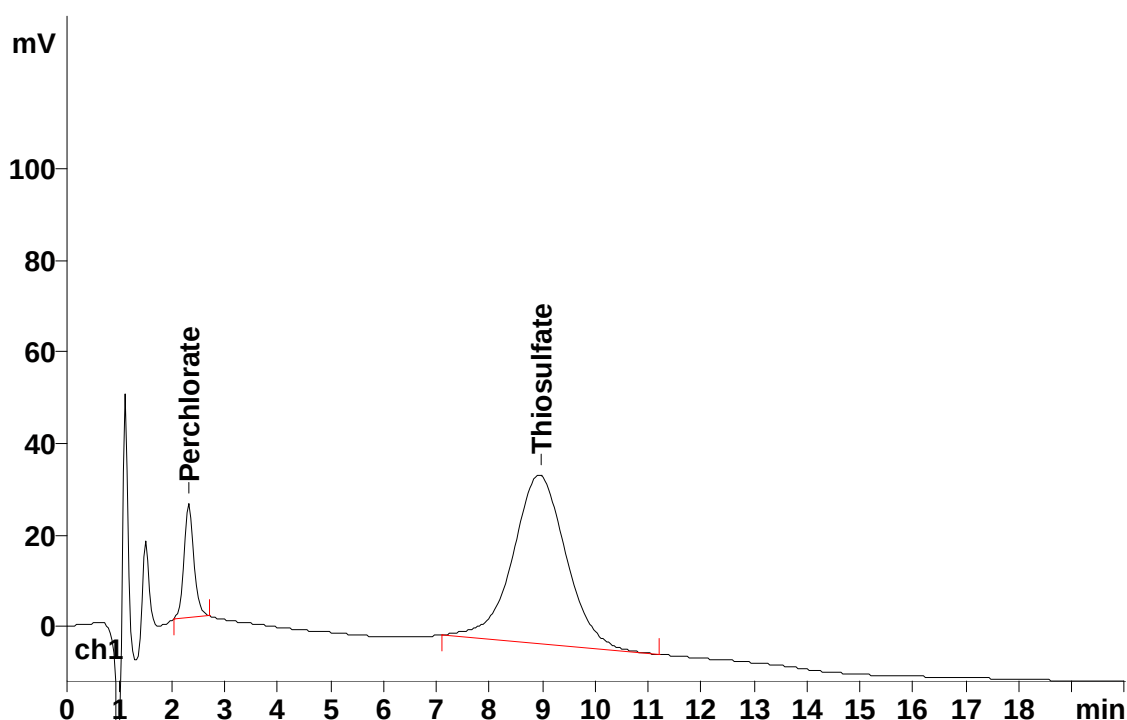
Temperature: 45 °C

Eluent: 3.2 mmol/L sodium carbonate
1.0 mmol/L sodium hydrogen carbonate

Suppressor: Sequential suppression (MSM: 50 mmol/L H₂SO₄)

Flow: 0.7 mL/min

Injection Volume: 20 µL



Results:	Perchlorate µg/L	Thiosulfate µg/L
	100	1000