

IC Application Note No. S-70

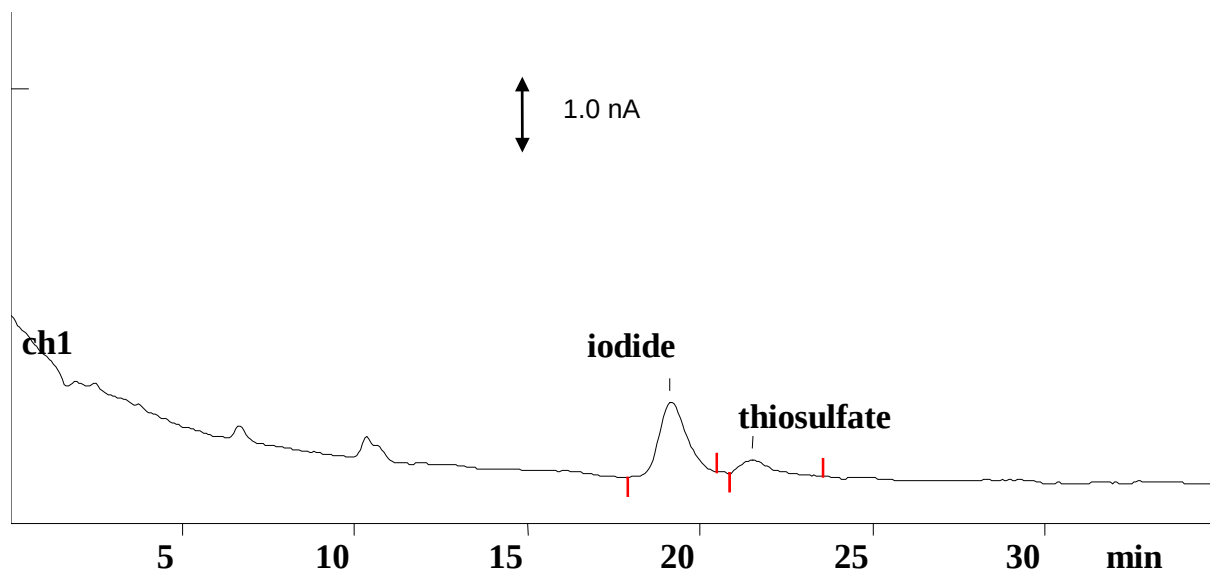
Title:	Trace anions in waste water using amperometric detection
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Summary:	Determination of iodide and thiosulfate in photographic process waste water using anion chromatography with amperometric detection at the carbon paste electrode after chemical suppression **.
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Sample:	Photographic process waste water
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Sample Preparation:	Dilution 1 : 500
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Column:	6.1006.100 Metrosep Anion Dual 2
Eluent:	3.7 mmol/L sodium hydrogencarbonate, 1.7 mmol/L sodium carbonate, 9% acetone
Voltage:	1.1 V
Suppressor:	Metrohm Suppressor Module (MSM, 50 mmol/L H ₂ SO ₄)
Flow:	0.8 mL/min
Injection Volume:	20 µL



Results:	iodide mg/L	thiosulphate mg/L
	37.0	5.5

** For results of suppressed conductivity detection see S-69