

IC Application Note No. S-93

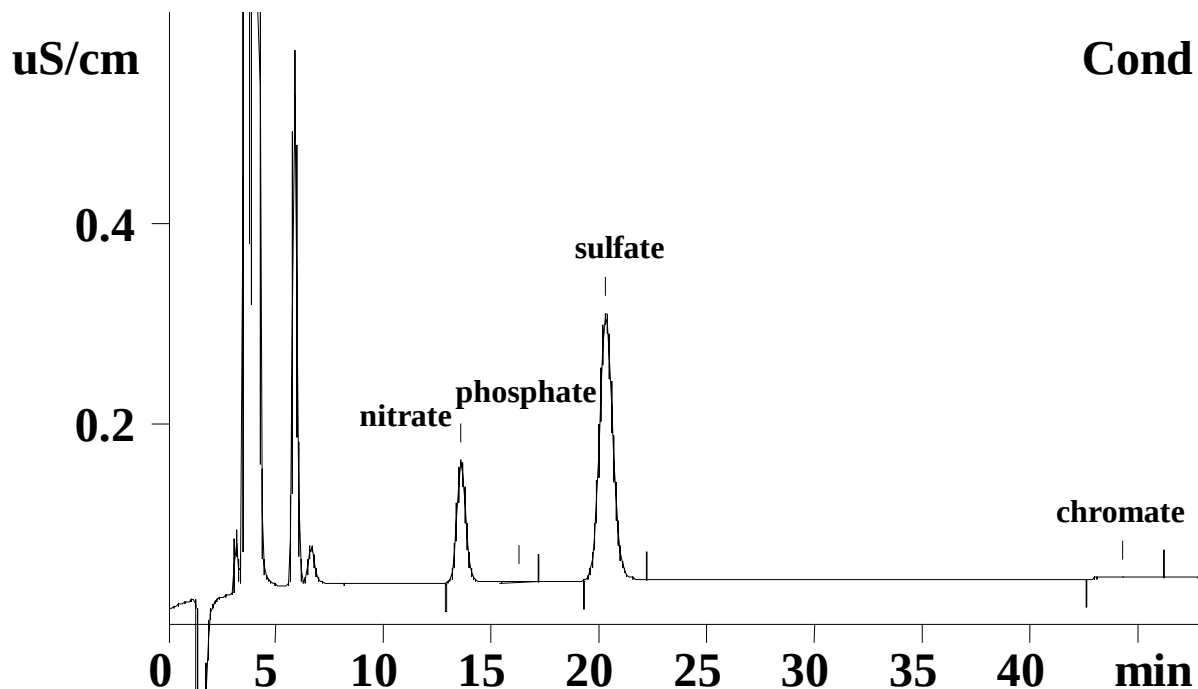
Title:	Nitrate, phosphate, sulfate and chromate in a cataphoretic paint bath
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Summary:	Determination of nitrate, phosphate, sulfate and chromate in a cataphoretic paint bath using anion chromatography with conductivity detection after chemical suppression.
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Sample:	Cataphoretic paint bath
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Sample Preparation:	Dilution 1: 50
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Column:	6.1006.100 Metrosep Anion Dual 2
Eluent:	2.0 mmol/L sodium hydrogencarbonate, 1.3 mmol/L sodium carbonate
Suppressor:	Metrohm Suppressor Module (MSM, 50 mmol/L H ₂ SO ₄)
Flow:	0.8 mL/min
Injection Volume:	20 µL



Results:	Nitrate mg/L	Phosphate mg/L	Sulfate mg/L	Chromate mg/L
	27.2	n.d.	62.3	1.0