

IC Application Note No. S-129

Title: Total phosphate in waste water after digestion with peroxodisulfate

Summary: Determination of total phosphate in waste water after digestion with peroxodisulfate using anion chromatography with conductivity detection after chemical suppression.

Sample: Digested waste water

Sample Preparation: Dilution 1 : 10

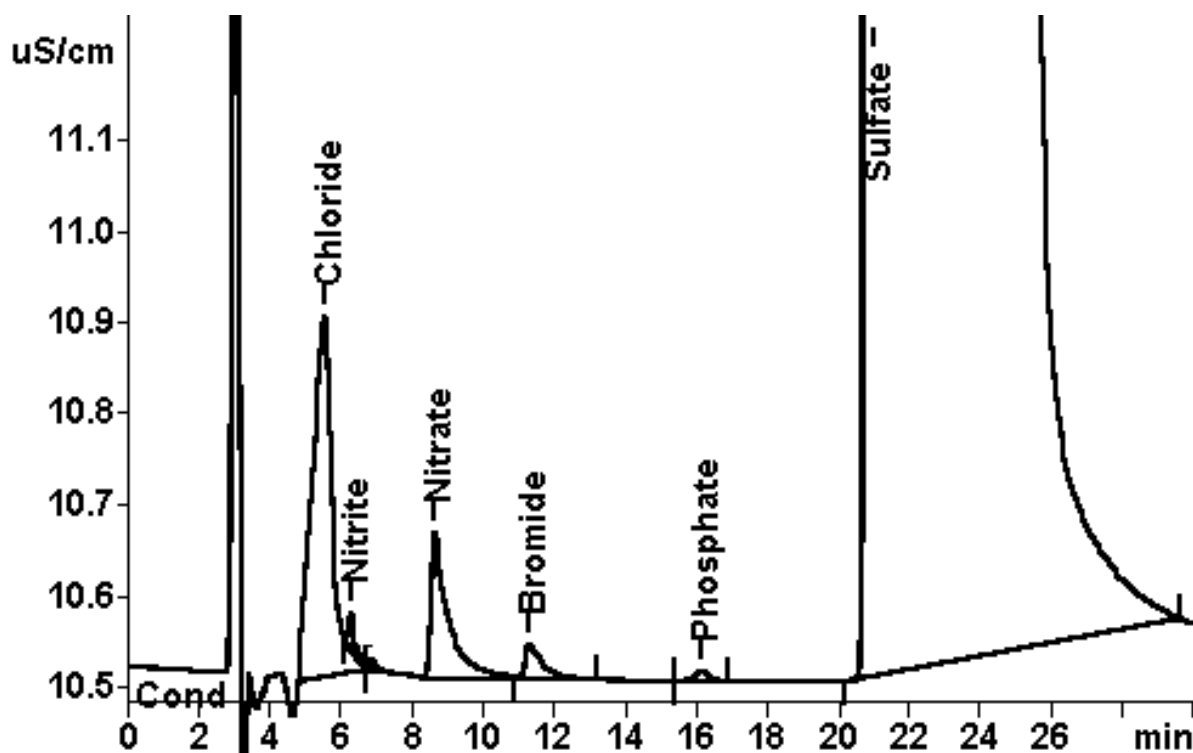
Column: 6.1005.300 Metrosep A SUPP 1

Eluent: 3.0 mmol/L sodium carbonate

Suppressor: MSM (50 mmol/L H₂SO₄)

Flow: 1.0 mL/min

Injection Volume: 20 µL



Results:	Chloride, Nitrite, Nitrate, Bromide	Phosphate mg/L	Sulfate
	n.q.	1.374	n.q.