

IC Application Note No. S-282

Title: Phosphor anions in a biocide

Summary: Determination of phosphate, HEDP (etidronic acid) and pyrophosphate in a biocide sample using anion chromatography with conductivity detection after sequential suppression.

Sample: Biocide

Sample Preparation: Dilution 1:200 with ultrapure water

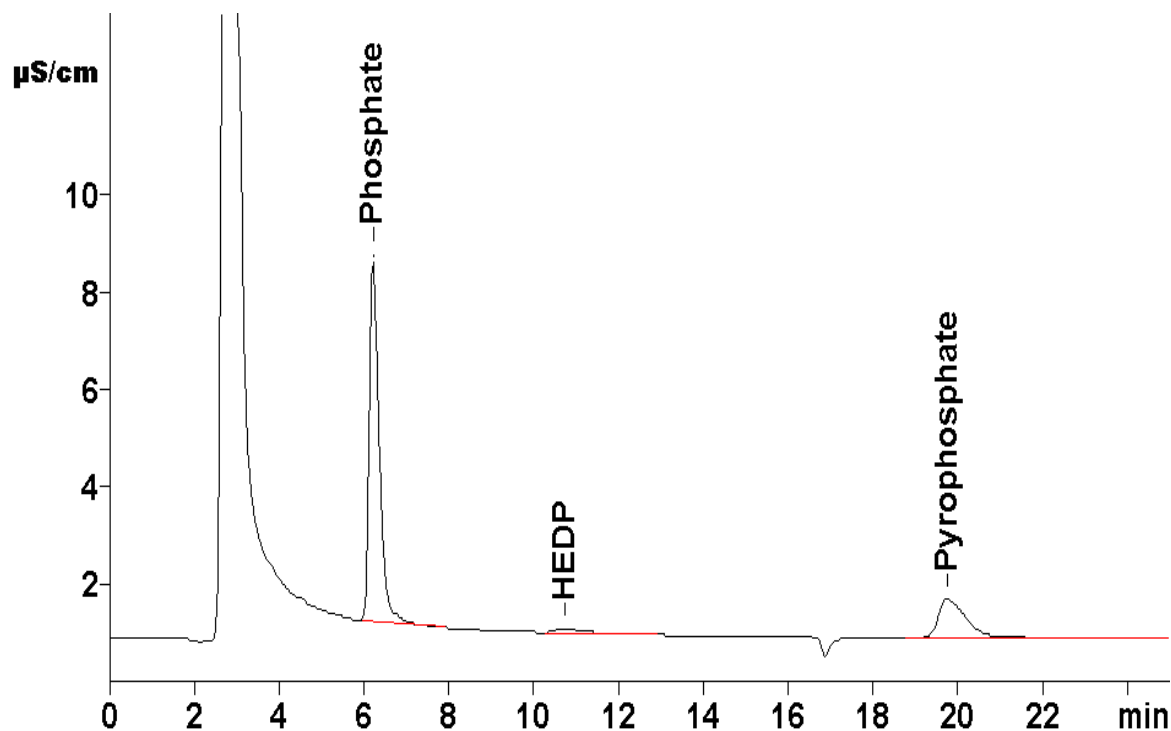
Column: 6.1006.510 Metrosep A Supp 5 – 100

Eluent: 0.9 mmol/L sodium carbonate
30 mmol/L sodium hydroxide

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

Flow: 0.7 mL/min

Injection Volume: 20 µL



Results:	Phosphate %	HEDP %	Pyrophosphate %
	0.51	0.03	0.16