

IC Application Note No. S-166

Title: Hypophosphite, phosphite, tartrate, tungstate, phosphate, citrate, pyrophosphate besides the standard anions

Summary: Determination of fluoride¹⁾, hypophosphite, chloride¹⁾, nitrite¹⁾, bromide¹⁾, nitrate¹⁾, phosphite, tartrate, sulfate¹⁾, tungstate, phosphate, citrate and pyrophosphate using anion chromatography with a high pressure gradient and conductivity detection after chemical suppression.

Sample: Standard

Sample Preparation: –

Column: 6.1005.320 Metrosep A SUPP 3

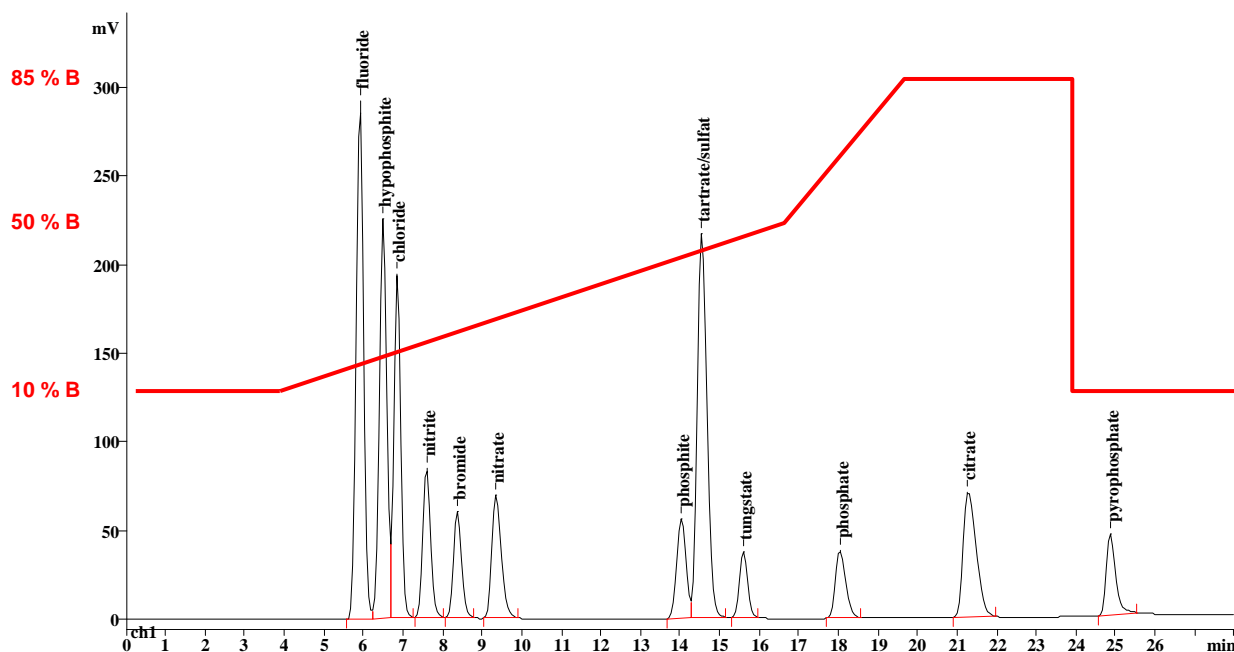
Eluent A: Ultrapure water

Eluent B: 40 mmol/L sodium hydroxide

Suppressor: 828 IC Dual Suppressor

Flow: 1.0 mL/min

Injection Volume: 20 µL



Results:	Hypophosphite mg/L	Phosphite mg/L	Tartrate ²⁾ mg/L	Tungstate mg/L	Phosphate mg/L	Citrate mg/L	Pyrophosphate mg/L
		25	10	25	10	10	25

¹⁾ 10 mg/L each

²⁾ Coeluting with of sulfate.