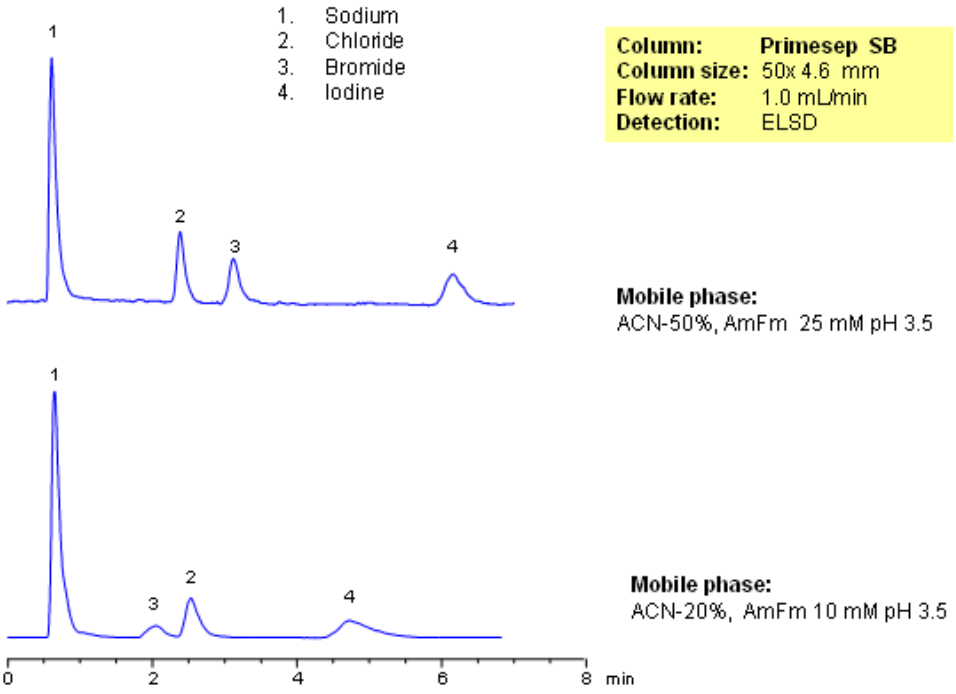
HPLC Separation of Sodium, Chloride, Bromide, and Iodine



Halide ions are usually analyzed by ion-chromatography with a conductivity detector. Mixed-mode chromatography in combination with ELSD is offering a valuable alternative to ion-chromatography with conductivity detection. Chloride, bromide and iodide were separated on a Primesep SB mixed-mode anion-exchange column. Mobile phase is compatible with ELSD and LC/MS.

Method Parameters

Column	Primesep SB, 4.6×50 mm, 5 µm, 100 Å
Mobile Phase	MeCN/H2O
Buffer	AmFm
Flow Rate	1.0 mL/min
Detection	ELSD

Quelle: https://sielc.com/Application-HPLC-Separation-of-Sodium-Chloride-Bromide-and-Iodine