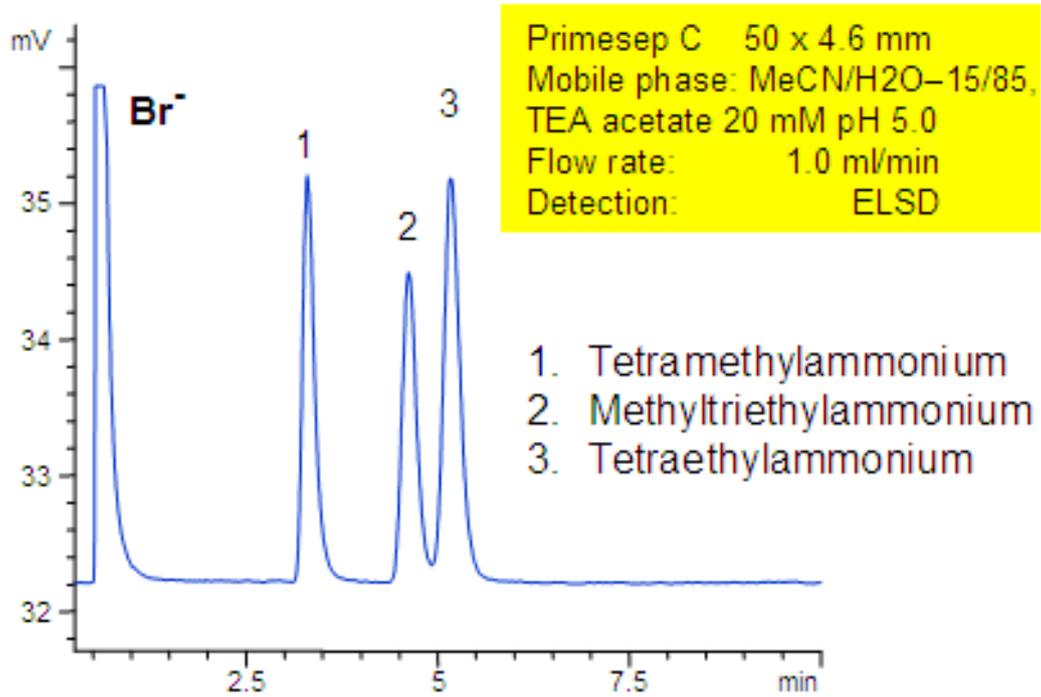


## Separation of Quaternary Amines



Primesep C separates a mixture of quaternary amines by a combination of cation exchange, complex formation, and hydrophobic interactions. Methyltriethylammonium, tetraethylammonium, and tetramethylammonium cations as well as bromide counter ion are separated on a short 50 mm column. The separation uses a mobile phase mixture of water, acetonitrile (MeCN, ACN) and triethylamine acetate with evaporative light scattering detection (ELSD).

### Method Parameters

<b>Column</b>	Primesep C, 4.6x50 mm
<b>Mobile Phase</b>	MeCN/H <sub>2</sub> O
<b>Buffer</b>	TEA acetate
<b>Flow Rate</b>	1.0 mL/min
<b>Detection</b>	ELSD

Quelle: <https://sielc.com/Application-Separation-of-Quaternary-Amines>