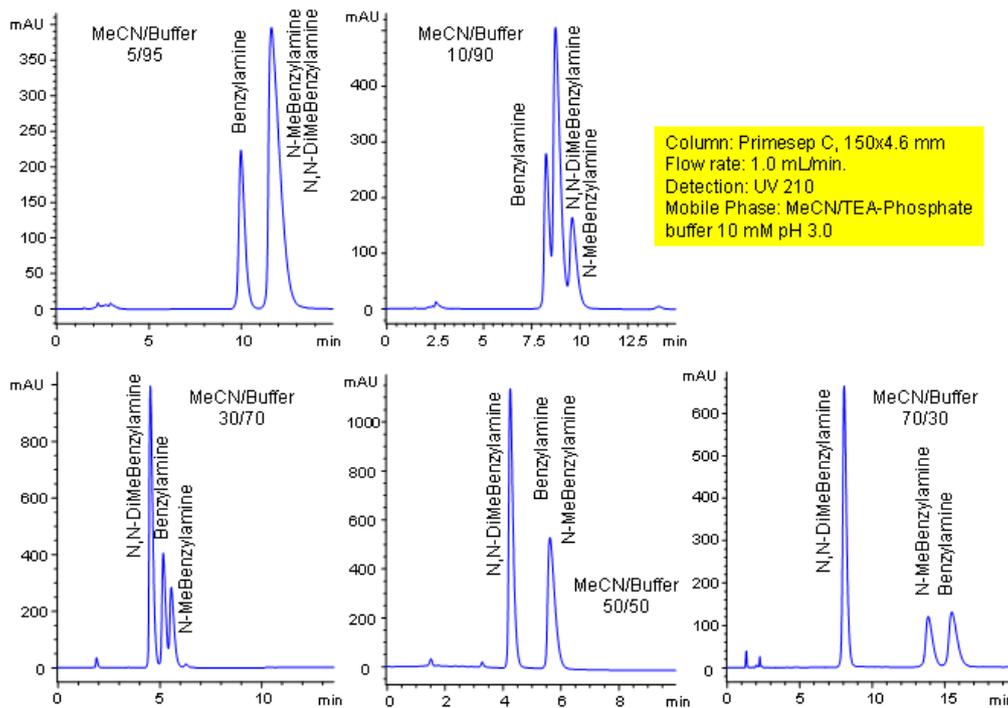


## Primesep C Column Retention Control



Primesep C separates benzylamines with an easily tunable HPLC method that allows retention control. Benzylamine, N-methylbenzylamine, and N,N-dimethylbenzylamine peak order and retention can be significantly changed by altering the water/acetonitrile ratio in the mobile phase which changes the combination of cation exchange, complex formation, and hydrophobic interactions. This mixture is separated with a mobile phase of water, acetonitrile (MeCN, ACN) and triethylamine (TEA) phosphate with UV detection at 210 nm.

### Method Parameters

<b>Column</b>	Primesep C, 4.6x150 mm, 5 µm, 100 Å
<b>Mobile Phase</b>	MeCN/H <sub>2</sub> O
<b>Buffer</b>	TEAPh
<b>Flow Rate</b>	1.0 mL/min
<b>Detection</b>	UV 210

Quelle: <https://sielc.com/Application-Primesep-C-Column-Retention-Control>