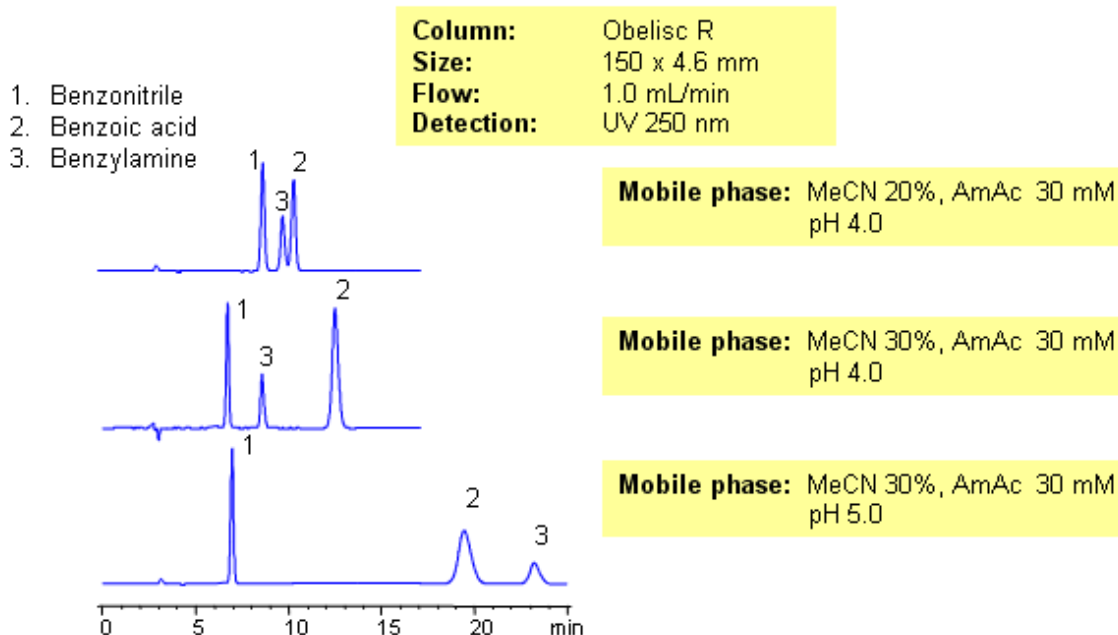


Effect of mobile phase composition on retention of 3 compounds on Obelisc R

<https://sielc.com/Application-Effect-of-Mobile-Phase-Composition-on-Retention-of-3-Compounds-on-Obelisc-R>

Chromatogram



Description

This application shows the effect of mobile phase composition on retention of acidic, basic and neutral compound. Retention of basic and acidic compounds is controlled by buffer pH and concentration, while retention of neutral compound is controlled by the amount of acetonitrile. Buffer pH changes not only ionization state of ionizable basic and acidic compounds, but ionization state of trimodal stationary phase Obelisc R. Available detection techniques include UV, ELSD, LC/MS, and Corona.

Method Parameters

Mobile Phase	MeCN/H ₂ O
Buffer	AmAc
Flow Rate	1.0 ml/min
Detection	250
Class of Compounds	Acid, Hydrophilic, Neutral, Basic/ionizable
Analyzing Compounds	Benzonitrile, Benzoic Acid, Benzylamine

HPLC Column Used

Obelisc R, 4.6x150 mm, 5 µm, 100A

[Order this column at hplc-shop.de →](http://hplc-shop.de)