

Effect of Organic Modifier and pH on Selectivity

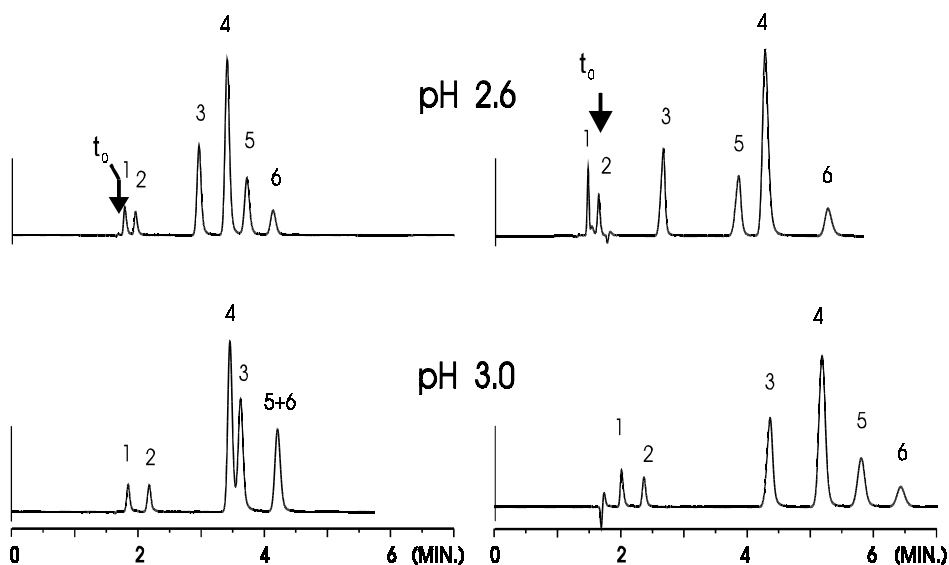
Application

Technical

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42% MeOH/58% BUFFER

30% MeOH/70% BUFFER



1- ANISIDINE
2- m-TOLUIDINE

3- 4-Cl-ANILINE
4- 3-AMINOBENZONITRILE

5- 3-Cl-ANILINE
6- 2-Cl-ANILINE

Conditions:
ZORBAX SB-CN, 4.6 x 150 mm (Agilent P/N: 883975-905)
25 mM phosphate buffer; 1.0 mL/min.; 22°C

Highlights

- pH control is very important in providing separation stability for polar organic compounds that are basic or acidic.
- Short-chain SB-CN column is very stable under low pH conditions (e.g. pH 2.5)



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