Basic aromatic compounds

Application Note

Environmental

Authors
Agilent Technologies, Inc.

Introduction
Eight basic aromatics are separated by GC using the stabilized 50% phenyl PDMS phase of Agilent VF-17ms in less than 20 minutes.
**Conditions**

Technique : GC

Column : Agilent VF-17ms, 0.25 mm x 30 m fused silica  
(df = 0.25 μm) (Part No. CP8982)  

Temperature : 50 °C + 10 °C/min → 300 °C  
Carrier Gas : Helium, 70 kPa  
Injector : Splitter, 1:100  
Detector : FID  
Sample Size : 1 μL  
Concentration Range : 200 μg/mL  

Courtesy : J. Peene, Agilent application laboratory, Middelburg, The Netherlands

**Peak identification**

1. aniline  
2. benzyl alcohol  
3. 4-chloroaniline  
4. 2-methylbenzothiophene  
5. 2-nitroaniline  
6. dibenzofuran  
7. 3-nitroaniline  
8. 4-nitroaniline