



Basic aromatic compounds

Application Note

Environmental

Authors

Agilent Technologies, Inc.

Introduction

For GC separation of eight basic aromatics in 30 minutes use the stabilized 50% phenyl PDMS phase of an Agilent VF-17ms column.



Agilent Technologies

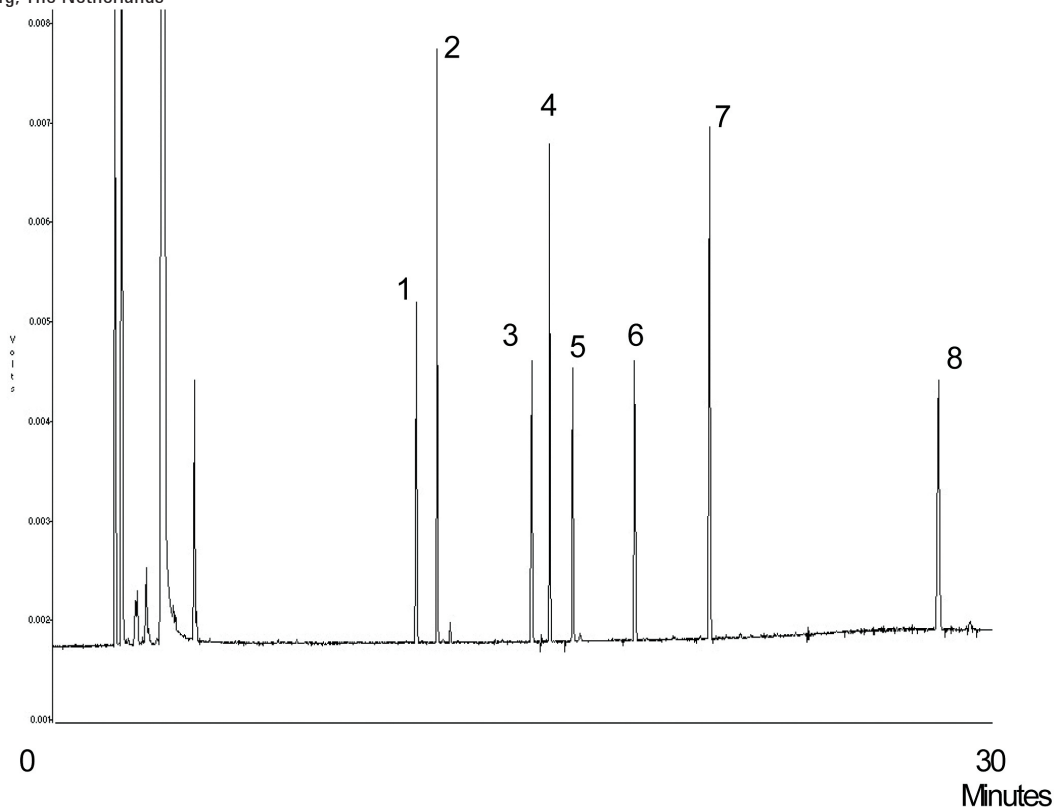
Conditions

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. 4-chloroaniline
2. 2-methyl naphthalene
3. 2-nitroaniline
4. dibenzofuran
5. 3-nitroaniline
6. 4-nitroaniline
7. carbazole
8. 3,3'-dichlorobenzidine



www.agilent.com/chem

This information is subject to change without notice.

© Agilent Technologies, Inc. 2011

Printed in the USA

31 October, 2011

First published prior to 11 May, 2010

A02280



Agilent Technologies