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.

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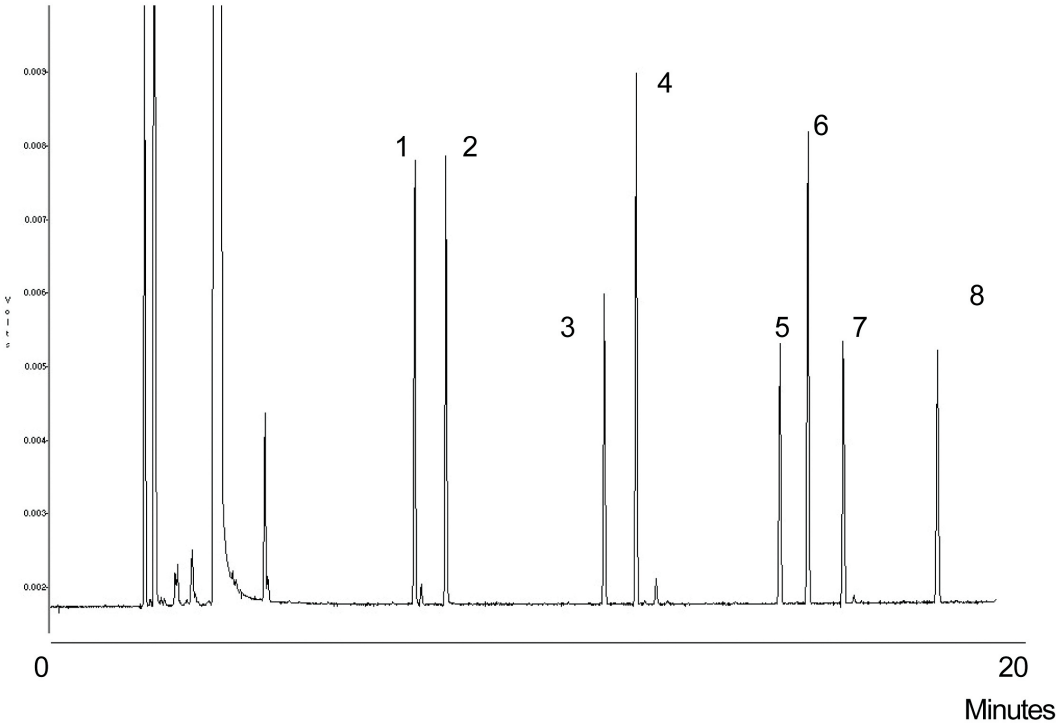
Conditions

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-methylnaphthalene
5. 2-nitroaniline
6. dibenzofuran
7. 3-nitroaniline
8. 4-nitroaniline



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