



PAHs

Application Note

Environmental

Authors

Agilent Technologies, Inc.

Introduction

The Agilent VF-17ms GC column separates 16 polycyclic aromatic hydrocarbons in 40 minutes.



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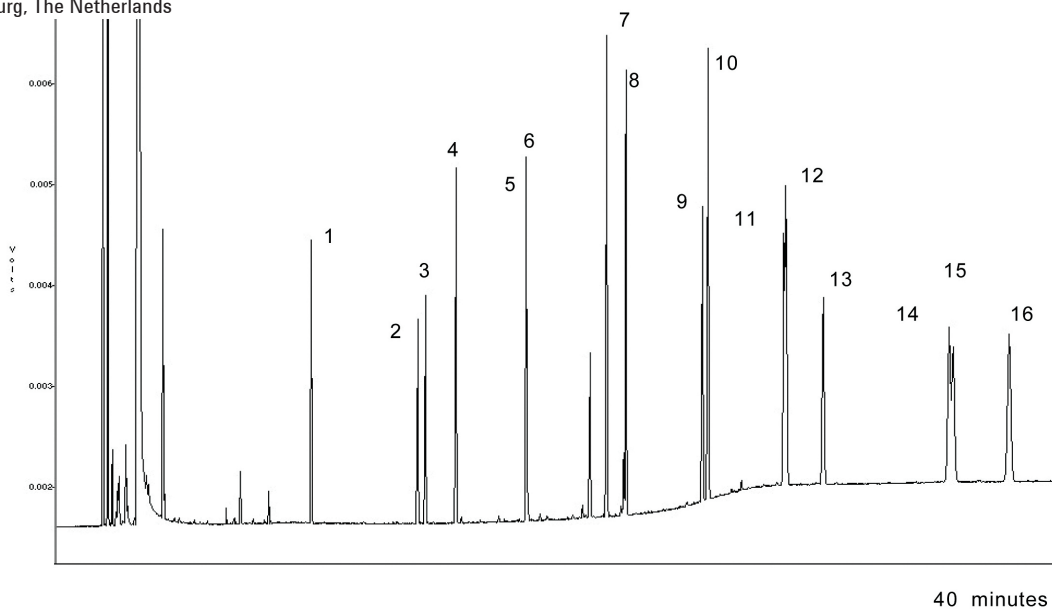
Conditions

Technique : GC
Column : Agilent VF-17ms, 0.25 mm x 30 m fused silica
(df = 0.25 μ m) (Part No. CP8982)
Temperature : 50 °C + 10 °C/min \rightarrow 300 °C
Carrier Gas : Helium, 70 kPa
Injector : Splitter, 1:100
Detector : FID
Sample Size : 1 μ L
Concentration Range : 200 μ g/mL

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

Peak identification

1. naphthalene
2. acenaphthylene
3. acenaphthene
4. fluorene
5. phenanthrene
6. anthracene
7. fluoranthene
8. pyrene
9. chrysene
10. benzo(a)anthracene
11. benzo(k)fluoranthene
12. benzo(b)fluoranthene
13. benzo(a)pyrene
14. indeno(1,2,3-c,d)pyrene
15. dibenzo(a,h)anthracene
16. benzo(g,h,i)perylene



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This information is subject to change without notice.

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