



Aromatic volatiles

Application Note

Environmental

Authors

Agilent Technologies, Inc.

Introduction

Separation of 11 aromatic volatiles on an Agilent VF-200ms column in nine minutes.



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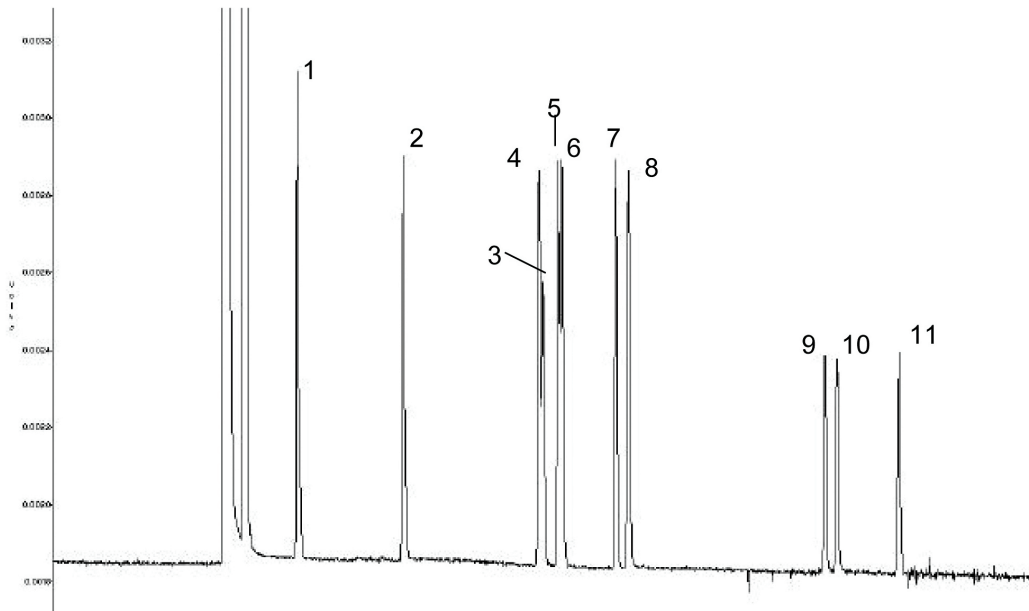
Conditions

Technique : GC
Column : Agilent FactorFour VF-200ms, 0.25 mm x 30 m
(df = 1.0 μ m) (Part no. CP8858)
Temperature : 45 °C, 3 min + 10 °C/min \rightarrow 325 °C
Carrier Gas : Helium, ca. 1.0 mL/min
Pressure program : 60 kPa
Injector : Split/Splitless, in split mode, 1:100
Detector : MS
Sample Size : 1 μ L
Solvent : methylene chloride, 2000 μ g/mL

Courtesy : Jan Peene, Agilent Application Laboratory,
Middelburg, The Netherlands

Peak identification

1. benzene
2. toluene
3. chlorobenzene
4. ethylbenzene
5. m-xylene
6. p-xylene
7. o-xylene
8. styrene
9. 1,3-dichlorobenzene
10. 1,4-dichlorobenzene
11. 1,2-dichlorobenzene



9 minutes

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This information is subject to change without notice.

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