



# Aromatic volatiles

## Application Note

Environmental

### Authors

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### Introduction

An Agilent VF-1701ms column separates 11 aromatic volatiles in ten minutes.



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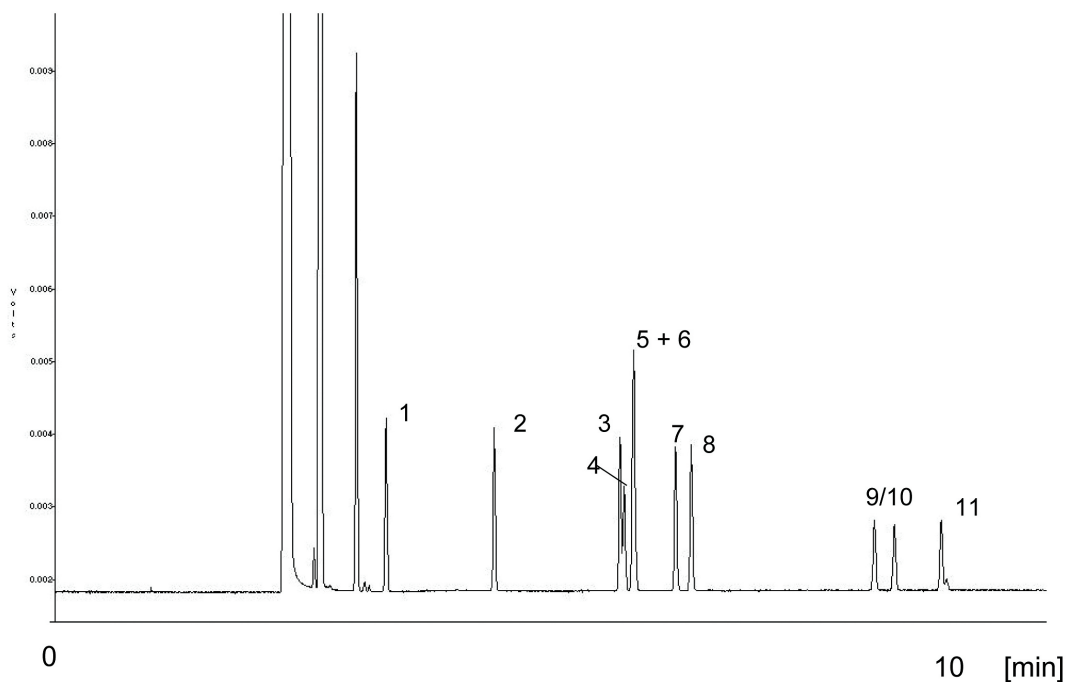
## Conditions

Technique : GC-capillary  
Column : Agilent FactorFourVF-1701ms, 0.25 mm x 30 m fused silica (df= 0.25 µm) (Part no. CP9151)  
Temperature : 45 °C (3 min) → 280 °C, 10 °C/min  
Carrier Gas : Helium, 60 kPa, 1 mL/min  
Injector : Split, 1:100, 1.0 µL  
Detector : FID  
Sample Size : 100 µg/mL in methylene chloride

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



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