



# Aromatic volatile organic compounds

## Application Note

Environmental

### Authors

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### Introduction

GC analysis of nine aromatic volatiles uses an Agilent FactorFour VF-200ms column to achieve a separation in less than 12 minutes.



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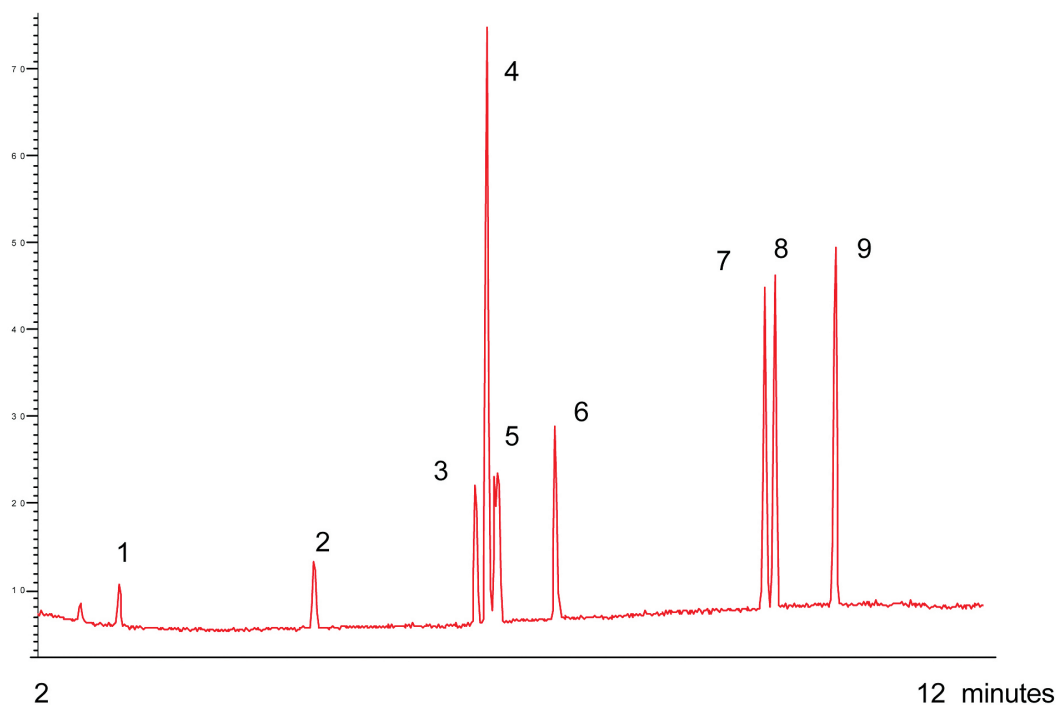
## Conditions

Technique : GC  
Column : Agilent FactorFour VF-200ms, 0.25 mm x 30 m  
(df = 0.25  $\mu$ m) (Part no. CP8858)  
Temperature : 45 °C, 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  $\mu$ L

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

## Peak identification

1. benzene
2. toluene
3. ethylbenzene
4. chlorobenzene
5. para and meta xylene
6. ortho xylene
7. 1,3-dichlorobenzene
8. 1,4-dichlorobenzene
9. 1,2-dichlorobenzene



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