



# Basic aromatic compounds

## Analysis of basic aromatic compounds

### Application Note

Environmental

#### Authors

Agilent Technologies, Inc.

#### Introduction

Using GC/MS, an Agilent FactorFour VF-200ms column separates eight basic aromatics in 25 minutes.



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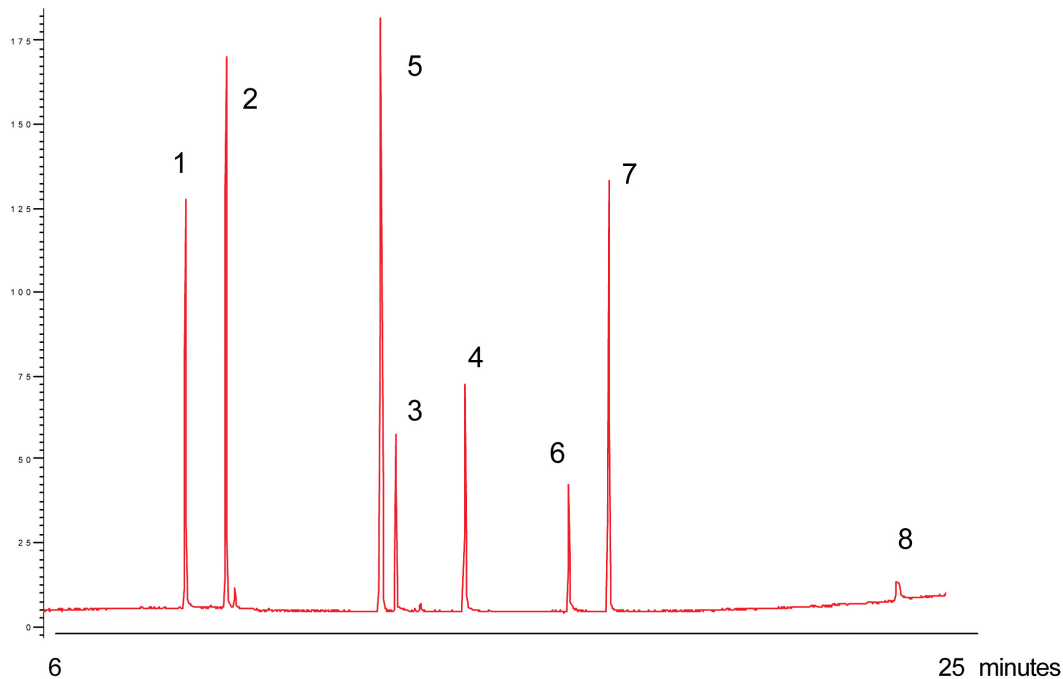
## Conditions

Technique : GC  
Column : Agilent FactorFour VF-200ms, 0.25 mm x 30 m  
(df = 1.0  $\mu$ m) (Part no. CP8860)  
Temperature : 45 °C, 3 min 10 °C/min  $\rightarrow$  325 °C  
Carrier Gas : Hydrogen 1.0 mL/min  
Pressure program : 60 kPa  
Injector : Split/Splitless, in split mode, 1:100  
Detector : FID  
Sample Size : 1  $\mu$ L  
Solvent : methylene chloride, 2000  $\mu$ g/mL

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

## Peak identification

1. 4-chloroaniline
2. 2-methylnaphthalene
3. 2-nitroaniline
4. dibenzofuran
5. 3-nitroaniline
6. 4-nitroaniline
7. carbazole
8. 3,3'-dichlorobenzidine



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This information is subject to change without notice.

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