Aromatic volatiles

Application Note

Environmental

Authors

Agilent Technologies, Inc.

Introduction

Analysis of 11 aromatic volatile compounds by gas chromatography using an Agilent FactorFour VF-1301ms column takes less than 15 minutes.

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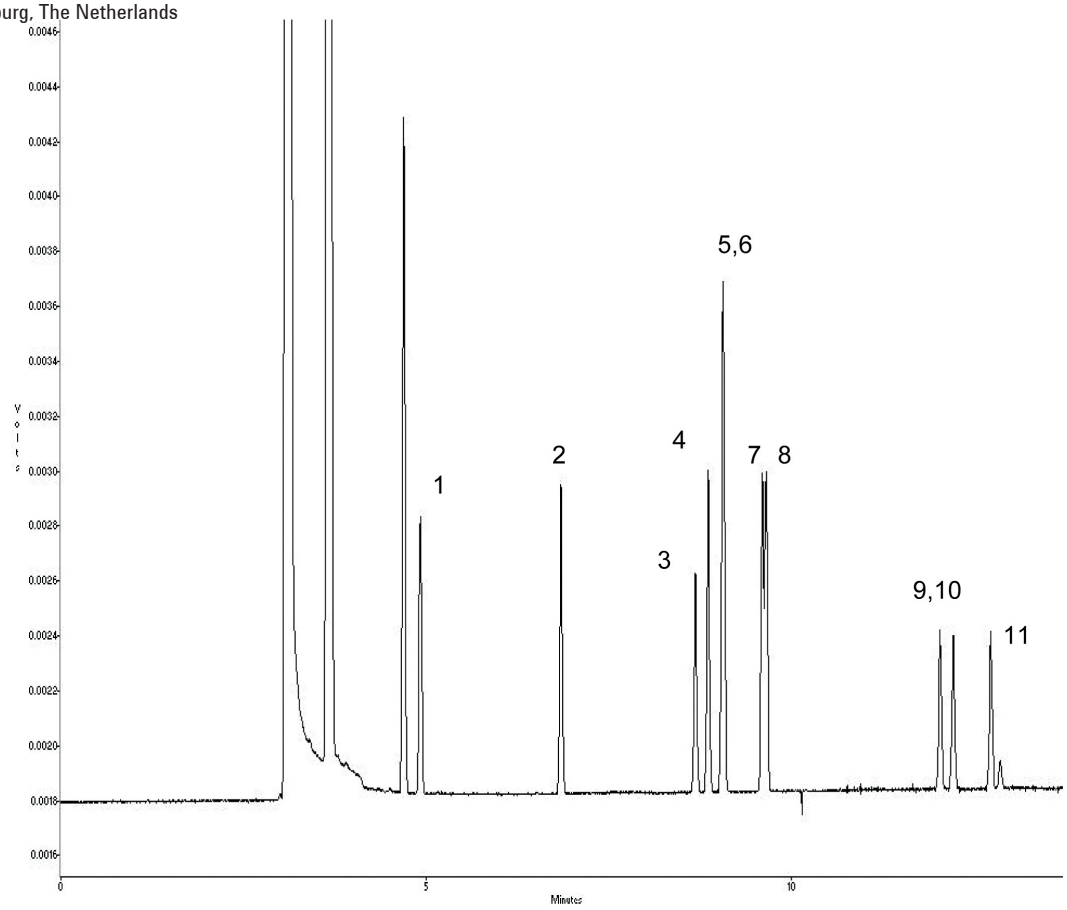
Conditions

Technique	:	GC-capillary
Column	:	Agilent FactorFour VF-1301ms, 0.25 mm x 30 m fused silica (df = 0.25 µm) (Part no. CP9053)
Temperature	:	45 °C (3 min) ⟶ 280 °C, 10 °C/min
Carrier Gas	:	He, 60 kPa
Injector	:	Split, 1 µL, 1:100
Detector	:	FID
Sample	:	100 µg/µL in methanol

Courtesy : J. 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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