



Base neutrals

Analysis of basic aromatic compounds

Application Note

Environmental

Authors

Agilent Technologies, Inc.

Introduction

GC analysis of base neutrals using an Agilent FactorFour VF-200ms column is accomplished in 27 minutes.



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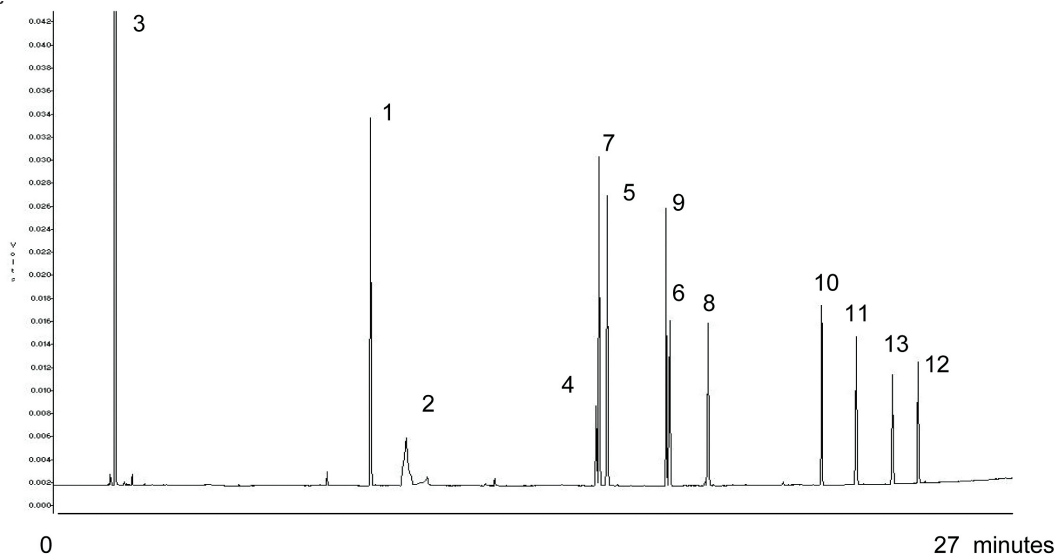
Conditions

Technique : GC
Column : Agilent FactorFour VF-200ms, 0.25 mm x 30 m
(df = 0.25 μ 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 : FID
Sample Size : 1 μ L
Solvent : methylene chloride, 2000 μ g/mL

Courtesy : Jane Peene, Agilent Application laboratory,
Middelburg, The Netherlands

Peak identification

1. o-toluidine
2. a,a -dimethylphenylethylamine
3. methylene chloride
4. 1-naphthylamine
5. 2-naphthylamine
6. 5-nitro-o-toluidine
7. diphenylamine
8. phenacetin
9. 4-aminobiphenyl
10. p-(dimethylamino)azobenzene
11. 3,3'-dimethylbenzidine
12. 2-acetylaminofluorene
13. 3,3'-dichlorobenzidine



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This information is subject to change without notice.

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