



Base neutrals

Application Note

Environmental

Authors

Agilent Technologies, Inc.

Introduction

GC analysis of 14 base neutrals with an Agilent VF-200ms column achieves a separation in 28 minutes.



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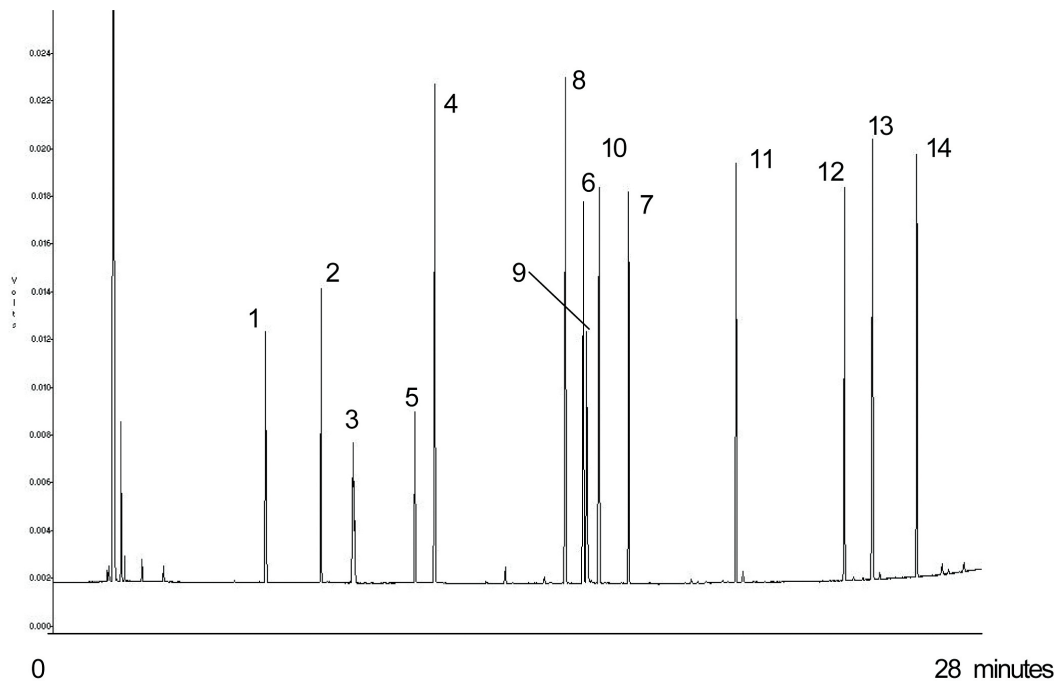
Conditions

Technique : GC
Column : Agilent FactorFour VF-200ms, 0.25 mm x 30 m
(df = 0.25 µm) (Part no. CP8858)
Temperature : 45 °C, 10 °C/min → 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 µL
Solvent : methylene chloride, 2000 µg/mL

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

Peak identification

1. n-nitrosodimethylamine
2. bis-(2-chloroethyl)ether
3. bis-(2-chloroisopropyl)ether
4. n-nitrosodi-n-propylamine
5. bis-(2-chloroethoxy)methane
6. dimethyl phthalate
7. diethyl phthalate
8. 4-chlorophenyl phenyl ether
9. n-nitrosodiphenylamine
10. 4-bromophenyl phenyl ether
11. di-n-butyl phthalate
12. di-butyl benzyl phthalate
13. bis-(2-ethylhexyl)phthalate
14. di-n-octyl phthalate



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