



Base neutrals

Application Note

Environmental

Authors

Agilent Technologies, Inc.

Introduction

Using GC/MS, an Agilent FactorFour VF-200ms column separates 14 base neutrals in 20 minutes.



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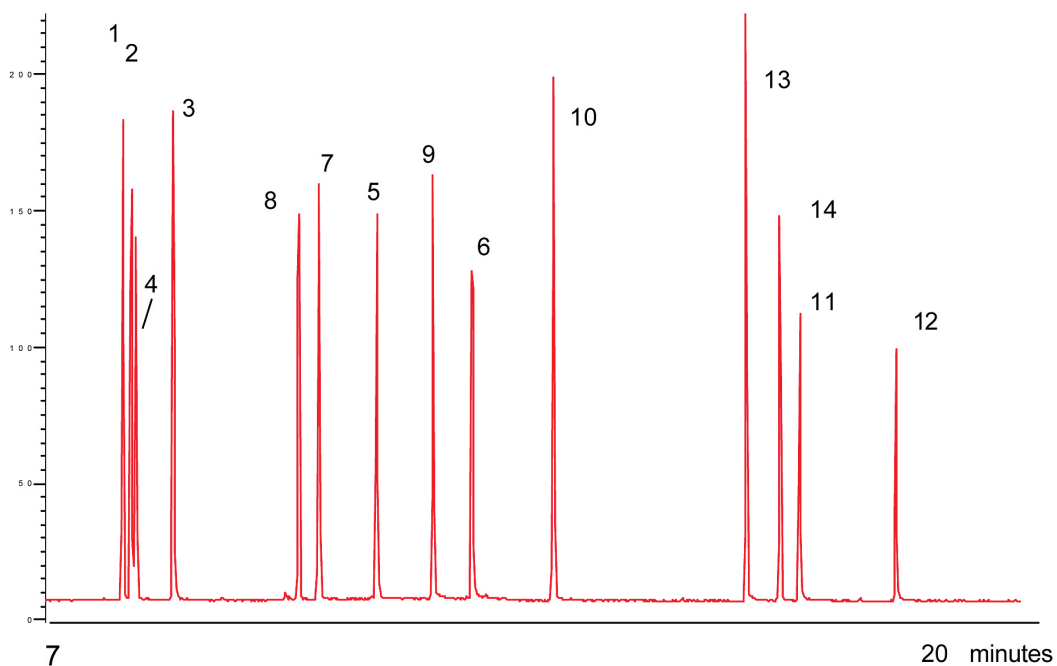
Conditions

Technique : GC
Column : Agilent FactorFour VF-200ms, 0.25mm x 30 m
(df = 1.0 µm) (Part no. CP8858)
Temperature : 45 °C, 3 min + 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 : MS
Sample Size : 1 µL
Solvent : methylene chloride, 2000 µg/mL

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

Peak identification

- 1,3-dichlorobenzene
- 1,4-dichlorobenzene
- 1,2-dichlorobenzene
- hexachloroethane
- nitrobenzene
- isophorone
- 1,2,4-trichlorobenzene
- hexachlorobutadiene
- hexachlorocyclopentadiene
- 2-chloronaphthalene
- 2,6-dinitrotoluene
- 2,4-dinitrotoluene
- azobenzene
- hexachlorobenzene



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This information is subject to change without notice.

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