



# Base neutrals

## Application Note

Environmental

### Authors

Agilent Technologies, Inc.

### Introduction

Analysis of 14 base neutrals by gas chromatography using an Agilent FactorFour VF-1301ms column in less than 40 minutes.



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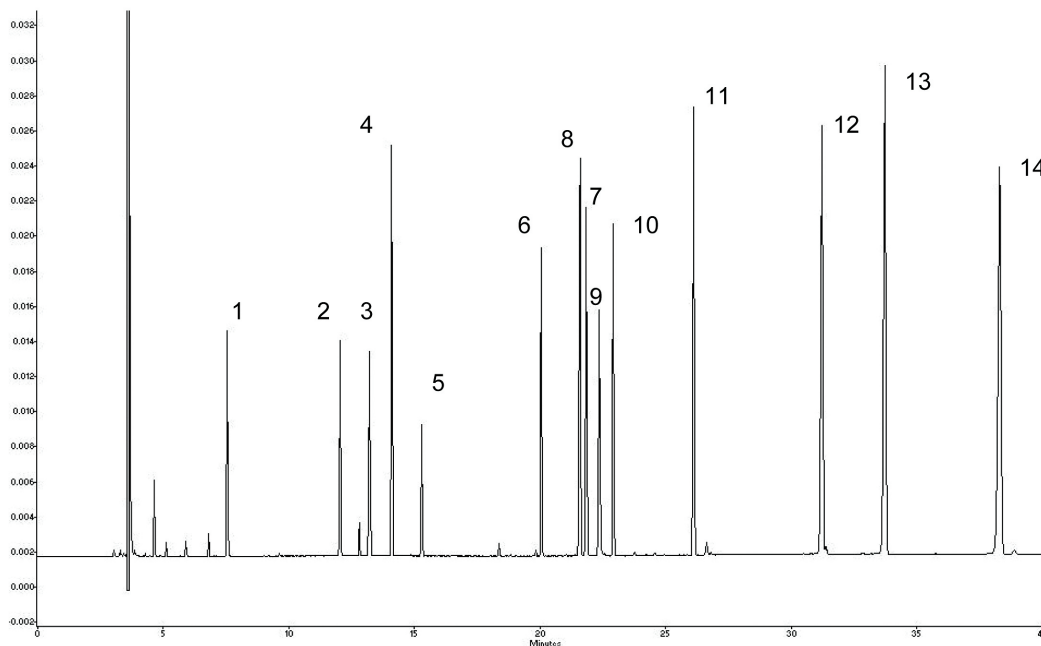
## Conditions

Technique : GC-capillary  
Column : Agilent FactorFour VF-1301ms, 0.25 mm x 30 m  
fused silica (df = 0.25  $\mu$ m) (Part no. CP9053)  
Temperature : 45 °C (3 min)  $\rightarrow$  280 °C, 10 °C/min  
Carrier Gas : He, 60 kPa  
Injector : Split, 1  $\mu$ L, 1:100  
Detector : FID  
Sample : 2000  $\mu$ g/ $\mu$ L in methanol

Courtesy : J. Peene, Agilent application laboratory,  
Middelburg, The Netherlands

## Peak identification

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



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This information is subject to change without notice.

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