



## Oxygenated compounds

# Oxygenated compounds on an amine-deactivated capillary column

## Application Note

Environmental

### Authors

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### Introduction

Oxygenated compounds are separated by GC/MS on the amine-deactivated Agilent CP-Volamine capillary column in 13 minutes.



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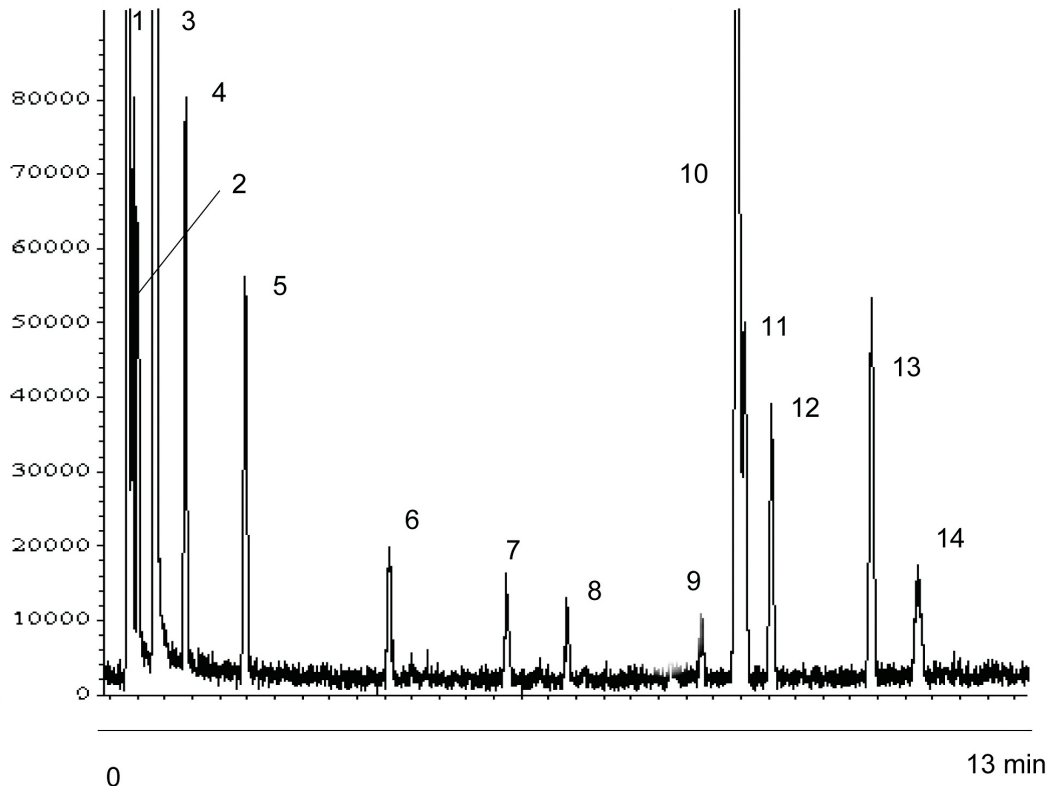
## Conditions

Technique : GC  
Column : Agilent CP-Volamine, 0.32 mm x 30 m fused silica  
(optimized filmthickness) (Part no. CP7447)  
Temperature : 40 °C (2 min) → 200 °C, 10 °C/min  
Carrier Gas : Helium, 3 psi,  
Injector : Split,  
Detector : MS  
Sample Size : 0.5 µL  
Concentration Range : approx. 5 ng on the column per component  
Solvent : water

Courtesy : Jim Luong and Paige Spencer,  
Dow Chemical Canada

## Peak identification

1. air
2. ammonia
3. water
4. methanol
5. ethanol
6. 1-propanol
7. 2-methyl-1-propanol
8. 1-butanol
9. 2-propanone
10. 4-methyl-2-pentanol
11. 3-methyl-1-butanol
12. toluene
13. 2-ethyl-1-butanol
14. 2-ethyl-4-methyl-1-pentanol



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This information is subject to change without notice.

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