



# Volatile organic compounds

## Application Note

Environmental

### Authors

Agilent Technologies, Inc.

### Introduction

GC/MS with an Agilent CP-Volamine column separates VOCs in less than four minutes.



**Agilent Technologies**

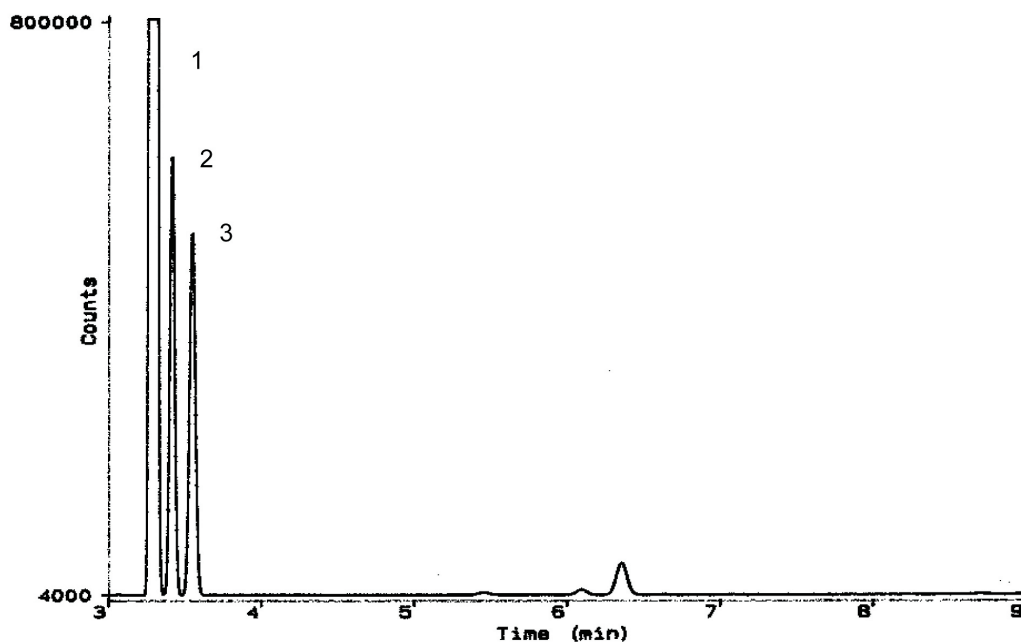
## Conditions

Technique : GC  
Column : Agilent CP-Volamine, 0.32 mm x 30 m fused silica  
(optimized film thickness) (Part no. CP7447)  
Temperature : 40 °C (2 min) → 250 °C, 10 °C/min  
Carrier Gas : Helium, 3 psi  
Injector : Split  
Detector : MS  
Sample Size : 0.5 µL  
Concentration Range : approx. 5 ng per component on the column

Courtesy : Jim Luong and Paige Spencer,  
Dow Chemical Canada

## Peak identification

1. iso-octane
2. hexane
3. CFC- 134a



0

9 min

[www.agilent.com/chem](http://www.agilent.com/chem)

This information is subject to change without notice.

© Agilent Technologies, Inc. 2011

Printed in the USA

31 October, 2011

First published prior to 11 May, 2010

A01913



**Agilent Technologies**