



# Organochlorine pesticides

## Application Note

Environmental

### Authors

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### Introduction

Sixteen organochlorine pesticides are analyzed by GC using the stabilized 50% phenyl PDMS phase of Agilent VF-17ms in less than 27 minutes.



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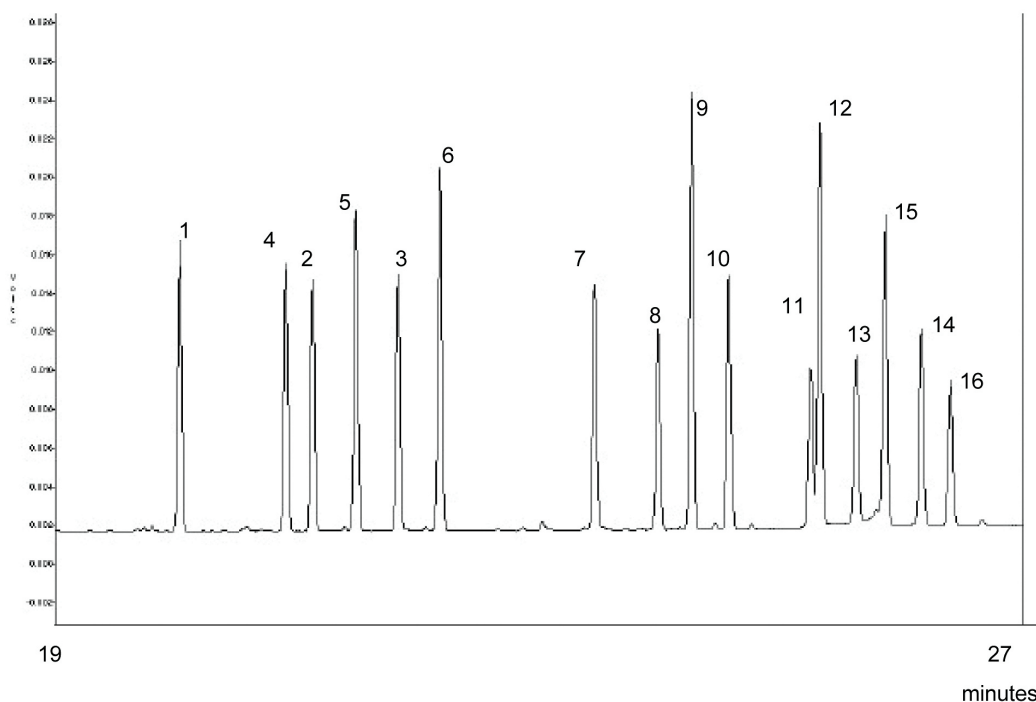
## Conditions

Technique : GC  
Column : Agilent VF-17ms, 0.25 mm x 30 m fused silica  
(df = 0.25 µm) (Part No. CP8982)  
Temperature : 50 °C + 10 °C/min → 300 °C  
Carrier Gas : Helium, 70 kPa  
Injector : Splitter, 1:100  
Detector : FID  
Sample Size : 1 µL  
Concentration Range : 200 µg/mL

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

## Peak identification

1. α-BHC
2. β-BHC
3. delta-BHC
4. gamma-BHC (lindane)
5. heptachlor
6. aldrin
7. heptachlorepoxyde
8. endosulfan I
9. 4,4'-DDE
10. dieldrin
11. endrin
12. 4,4'-DDD
13. endosulfan II
14. endrin aldehyde
15. 4,4'-DDT
16. endosulfan sulfate



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This information is subject to change without notice.

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