Pesticides

Application Note

Environmental

Authors

Agilent Technologies, Inc.

Introduction

GC/MS with an Agilent CP-Sil 8 CB column separates 15 organochlorine pesticides in 29 minutes.

Agilent Technologies

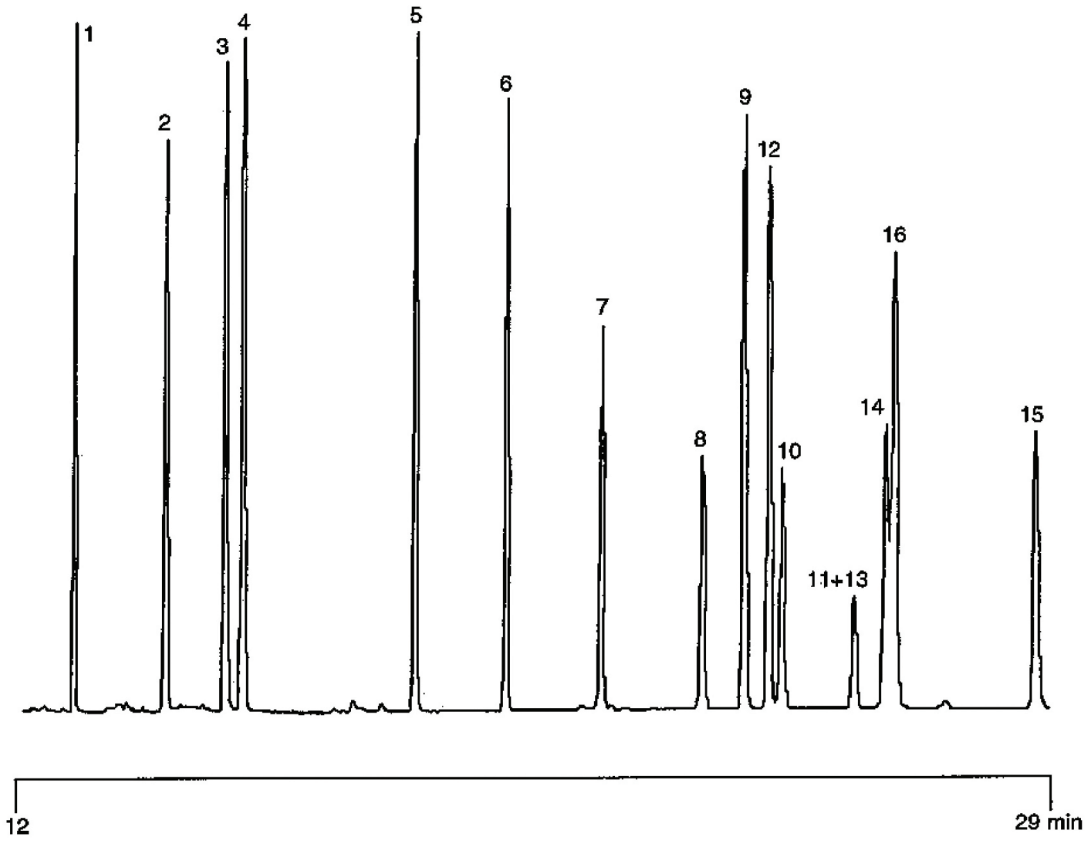
Conditions

Technique	: GC-capillary
Column	: Agilent CP-Sil 8 CB Low Bleed/MS, 0.25 mm x 30 m fused silica WCOT CP-Sil 8 CB (df = 0.5 µm) (Part no. CP5871)
Temperature	: 50 °C ⟶ 170 °C, 25 °C/min; 170 °C ⟶ 250 °C, 4 °C/min
Carrier Gas	: He
Injector	: Splitless, T = 250 °C
Detector	: MS in EI mode
Injection Volume	: 5 µL

Courtesy : Mr I. Epson, North East Scientific Services, Newcastle Upon Tyne, UK

Peak identification

1. trifluralin
2. α-HCH
3. β-HCH
4. γ-HCH
5. heptachlor
6. aldrin
7. heptachlor epoxide
8. α-endosulfan
9. p,p′-DDE
10. dieldrin
11. endrin
12. o,p′-DDD
13. β-endosulfan
14. p,p′-DDD
15. p,p′-DDT
16. endrinaldehyde



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