



Pesticides

Determination of chlorinated pesticides on a fused silica capillary column

Application Note

Environmental

Authors

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Introduction

Gas chromatography using an Agilent CP-Sil 19 CB column separates two organochlorine pesticides in 11 minutes.



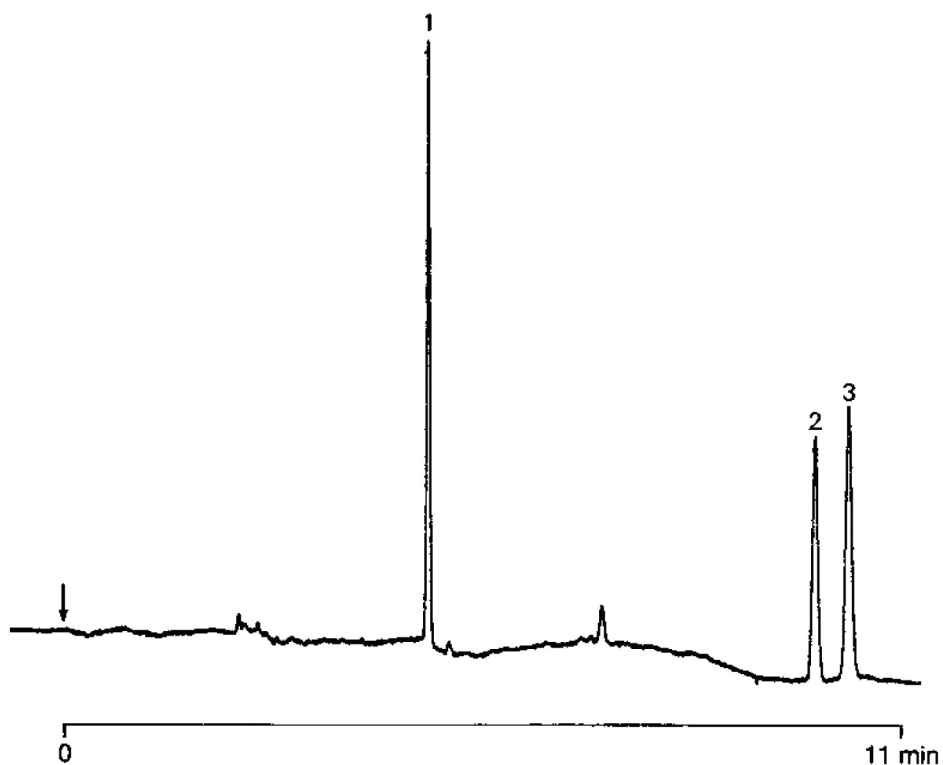
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Conditions

Technique : GC-capillary
Column : Agilent CP-Sil 19 CB, 0.32 mm x 25 m fused silica
WCOT CP-Sil 19 CB (0.2 µm) (Part no. 7742)
Temperature : 230 °C
Carrier Gas : He, 60 kPa (0.6 bar, 8.7 psi) 20.8 cm/s
Injector : Splitter, 100 mL/min
T = 280 °C
Detector : ECD, 16×10^{-12} Afs, make-up
 $N_2 = 35$ mL/min T = 310 °C
Sample Size : 0.5 µL
Concentration range : 50 pg

Peak identification

1. lindane
2. dieldrin
3. pentachlorophenol



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This information is subject to change without notice.

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