Pesticides
Analysis of α-, γ-HCH and β-, γ-PCCH

Application Note

Environmental

Authors
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Introduction
Gas chromatography with an Agilent CP-Chirasil-DEX CB column separates four hexachlorocyclohexane pesticides in 36 minutes.
Conditions

Technique: GC-capillary

Column: Agilent CP-Chirasil-DEX CB, 0.25 mm x 25 m fused silica WCOT CP-Chirasil-DEX CB (df = 0.25 μm) (Part no. CP7502)

Temperature: 150 °C (4 min) → 240 °C, 10 °C/min; 240 °C (30 min)

Carrier Gas: N₂, 80 kPa (0.8 bar, 11 psi)

Injector: Split, 100 mL/min
T = 200 °C

Detector: FID
T = 270°C

Concentration Range: ± 25 ng/component

Courtesy: Prof. Dr. B. Luckas, Institut of Food Chemistry, University of Hohenheim, Stuttgart, Germany

Peak identification
1. γ-PCCH
2. α-HCH
3. β-PCCH
4. γ-HCH