Pesticides

Application Note

Environmental

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Introduction
High resolution GC/MS analysis of pesticides in apple purée extract on an Agilent VF-5ms column.
## Conditions

**Technique:** GC

**Column:** Agilent VF-5ms, 0.25 mm x 25 m fused silica (df = 0.25 μm) (Part no. CP8941)

**Temperature:** 60 °C, 20 °C/min → 300 °C

**Carrier Gas:** Helium, 70 kPa

**Injector:** Optik 3 with liner exchange unit

**Detector:** TOF

**Sample Size:** 1.0 μL

**Concentration Range:** ca. 20 ppb of component on the column

**Sample Preparation:** extraction with acetonitril; addition of MgSO₄ and NaCl; addition of internal standard; centrifugation, aliquotation, addition of MgSO₄ and PSA; gas chromatographic analysis with DMI and TOF/MS

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### Peak identification

1. HCH
2. DDD and DDT
3. dimethoate