



Pesticides in apples

Fast analysis of pesticides using
0.15 mm id capillary columns

Application Note

Environmental

Authors

Agilent Technologies, Inc.

Introduction

Fast analysis of pesticides in an apple matrix is achieved by gas chromatography with an Agilent CP-Sil 13 CB column and splitless injection.



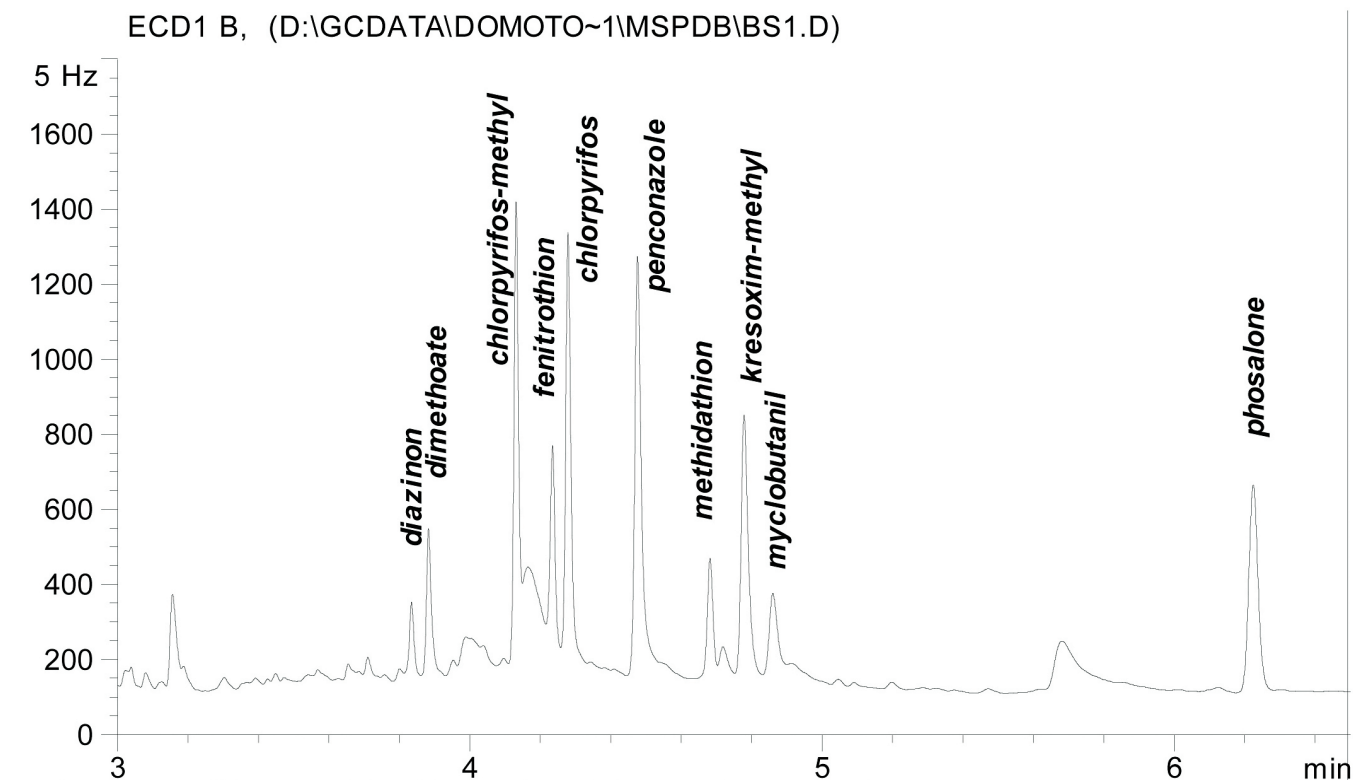
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Conditions

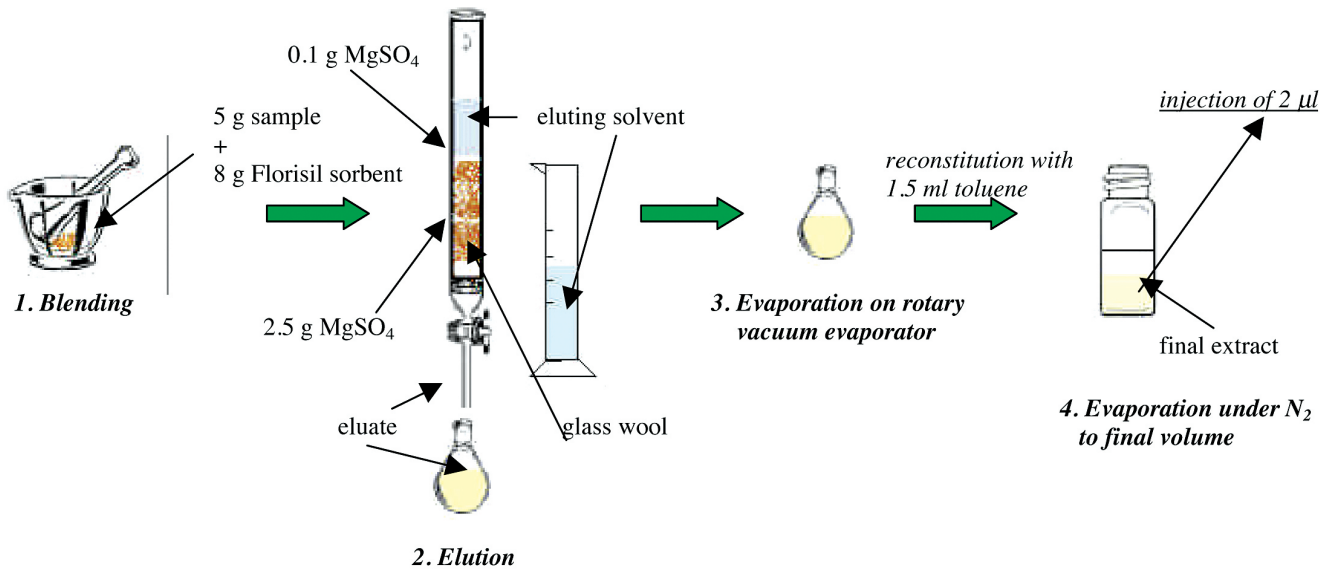
Technique : GC-capillary
Column : Agilent CP-Sil 13 CB, 0.15 mm x 25 m fused silica
(df = 0.40 µm) (Part no. CP7813)
Temperature : 80 °C (1 min), 65 °C to 290 °C
Carrier Gas : He, 363 kPa, 3.6 bar
Injector : Splitless, 5 µL in 2 mm id liner
Detector : ECD, T= 300 °C
Sample Size : 60 µg/kg, sample preparation MSPD
final extract in toluene

Courtesy : Milena Dömötöröová, Michal Kirchner,
and Eva Matisová,
Department of Analytical Chemistry,
Faculty of Chemical and Food Technology,
Slovak University of Technology,
Slovak Republic

Peak identification: as listed in figure



Sample Preparation via MSPD method



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