



Pesticides

Application Note

Environmental

Authors

Agilent Technologies, Inc.

Introduction

GC/MS of 15 pesticides is achieved in 20 minutes using an Agilent CP-Sil 8 CB column.



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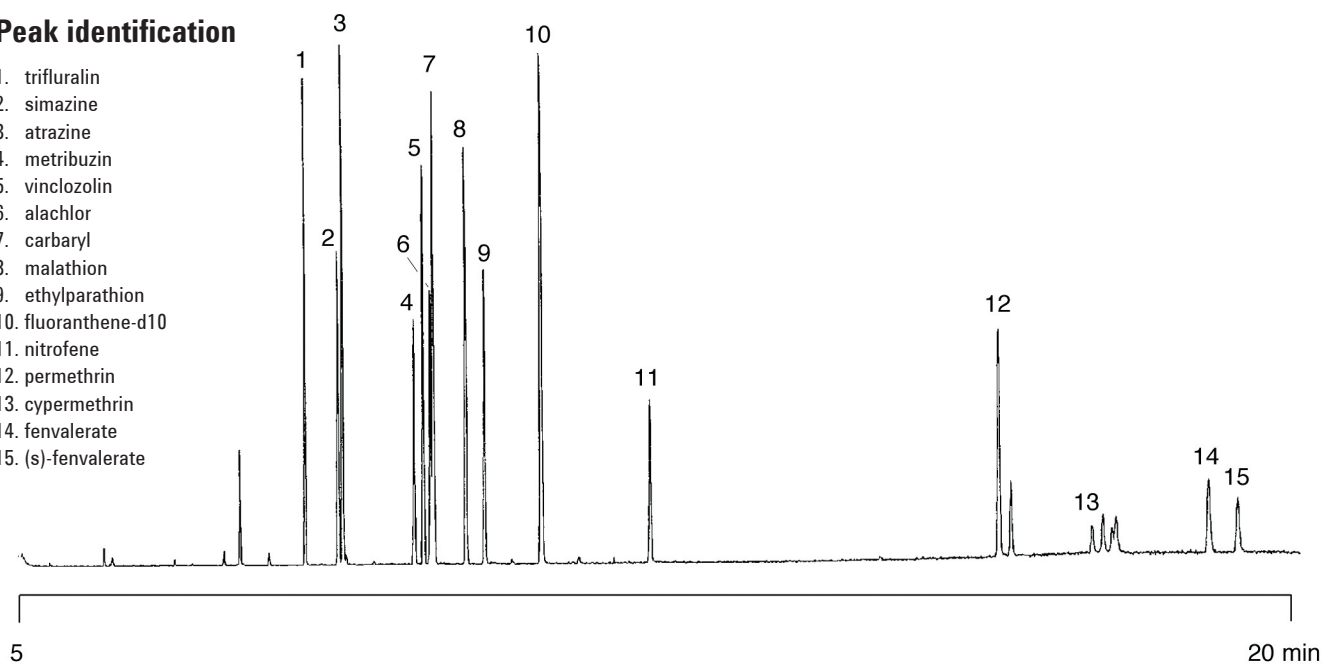
Conditions

Technique : GC-capillary
Column : Agilent CP-Sil 8 CB, 0.25 mm x 30 m fused silica
WCOT (df = 0.25 µm) (Part no. CP8751)
Temperature : 50 °C (1 min) → 200 °C, 20 °C/min:
200 °C → 280 °C, 5 °C/min
Carrier Gas : He, 75 kPa (0.75 bar, 11 psi)
Injector : Splitless, 1min
T = 250 °C
Detector : MSD, TIC
T = 230 °C
Sample Size : 1 µL
Solvent Sample : acetone

Courtesy : S. Hishimoto, GL Sciences, Japan

Peak identification

1. trifluralin
2. simazine
3. atrazine
4. metribuzin
5. vinclozolin
6. alachlor
7. carbaryl
8. malathion
9. ethylparathion
10. fluoranthene-d10
11. nitrofen
12. permethrin
13. cypermethrin
14. fenvalerate
15. (s)-fenvalerate



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This information is subject to change without notice.

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