



Halogenated pesticides according to EPA 625

Application Note

Environmental

Authors

Agilent Technologies, Inc.

Introduction

Analysis of EPA 625 halogenated pesticides using ECD and low-bleed Agilent VF-1701 ms at 2 and 200 pg.



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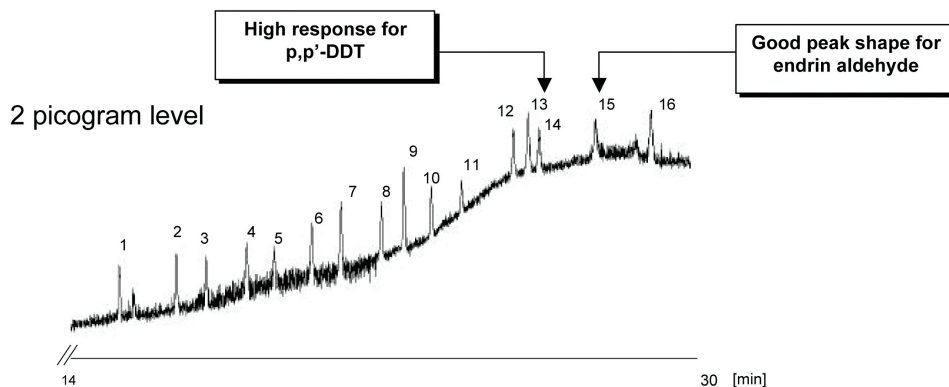
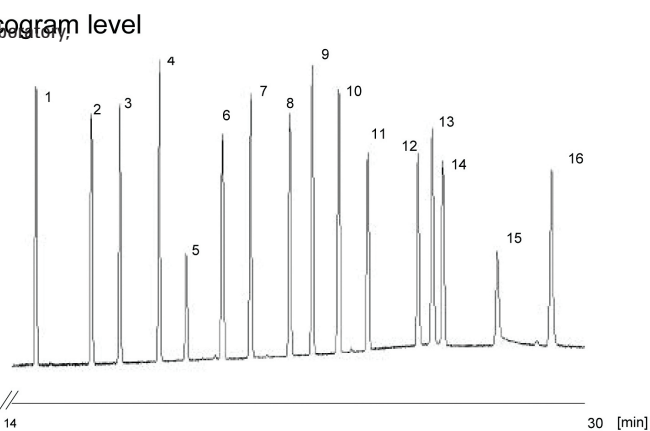
Conditions

Technique : GC-capillary
Column : Agilent VF-1701ms, 0.25 mm x 30 m fused silica
(df = 0.25 µm) (Part no. CP9151)
Temperature : 150 °C + 5 °C/min → 275 °C
Carrier Gas : Helium, 80 kPa
Injector : Split, T = 275 °C
Detector : ECD, T = 275 °C
Concentration : 200 pg and 2 pg on the column
Solvent : hexane

Courtesy : J. Peene, Agilent application laboratory,
Middelburg, The Netherlands

Peak identification

1. alpha-BHC
2. gamma-BHC
3. heptachlor
4. aldrin
5. beta-BHC
6. delta-BHC
7. heptachlor epoxide
8. endosulfan I
9. 4,4'-DDE
10. dieldrin
11. endrin
12. 4,4'-DDD
13. endosulfan II
14. 4,4'-DDT
15. endrin aldehyde
16. endosulfan sulfate



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