

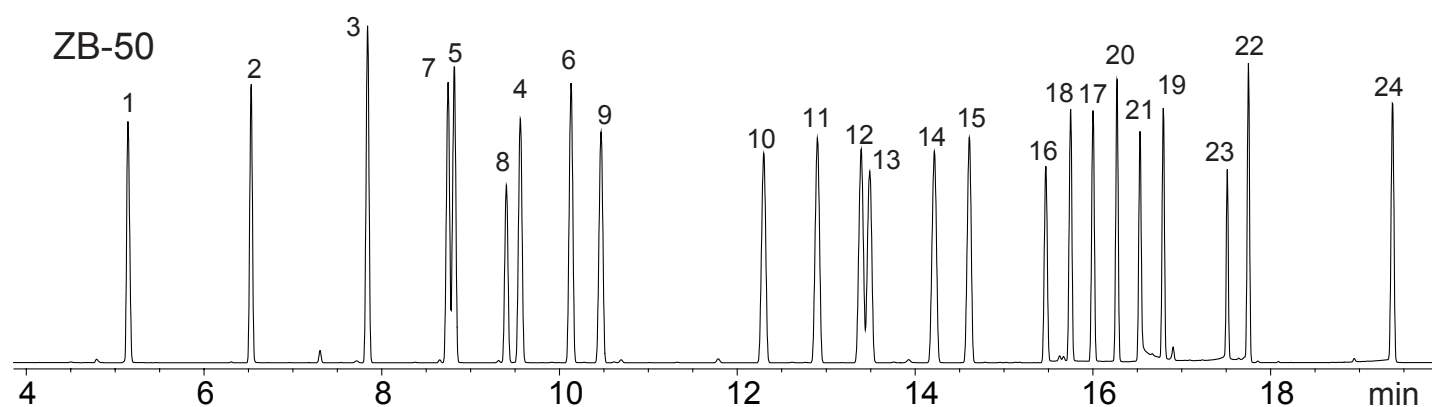
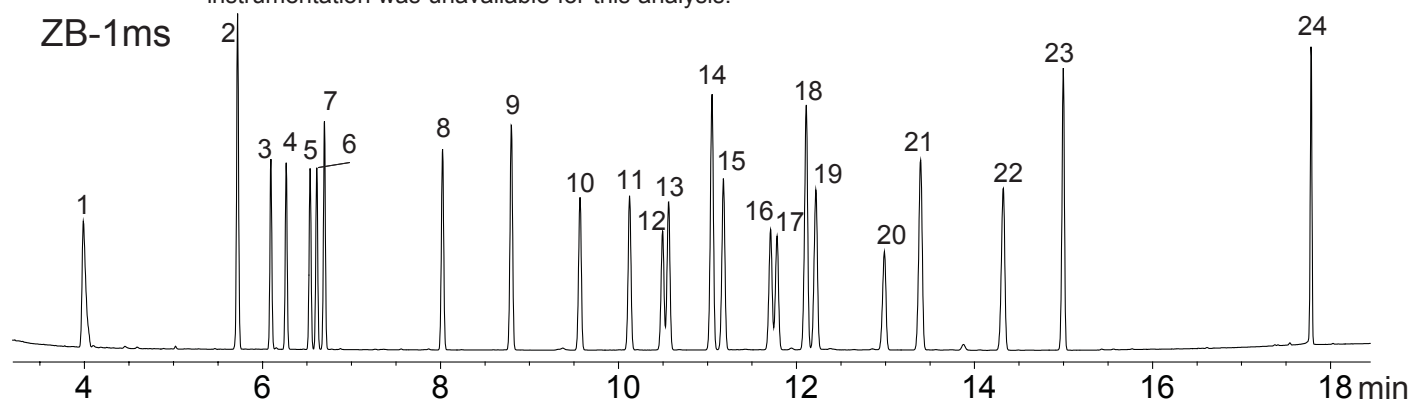
EPA Method 8081: Chlorinated Pesticides

Column: Zebtron ZB-1ms; ZB-50
Dimensions: 30meter x 0.25mm x 0.25µm
Order No.: 7HG-G011-11; 7HG-G004-11
Injection: Splitless @ 250°C, 1µL
Carrier Gas: Constant Flow Helium 1.5mL/min
Oven Program: 100°C for 0.2min to 200°C at 25°C/min to 240°C at 4°C/min to 320°C at 25°C/min for 2.5 min
Detector: FID 330°C; ECD 330°C
Sample:

Gold Seal: Phenomenex single groove (AG0-7518)
Liner: Split/Splitless Single Taper (AG0-7516)
Septum: Phenomenex PhenoRed-400 (AG0-4690)

- | | | |
|-----------------------------------|-------------------------|-----------------------------|
| 1. 1-Bromo-2-Nitrobenzene (IS) | 11. γ -Chlordane | 21. DDT |
| 2. Tetrachlorometaxylene (Surr) | 12. α -Chlordane | 22. Endrin Ketone |
| 3. α -Lindane | 13. Endosulfan I | 23. Methoxychlor |
| 4. β -Lindane | 14. DDE | 24. Decachlorobiphenyl (IS) |
| 5. γ -Lindane | 15. Dieldrin | |
| 6. δ -Lindane | 16. Endrin | |
| 7. Pentachloronitrobenzene (Surr) | 17. Endosulfan II | |
| 8. Heptachlor | 18. DDD | |
| 9. Aldrin | 19. Endrin Aldehyde | |
| 10. Heptachlor Epoxide | 20. Endosulfan Sulfate | |

Notes: Compounds are 20ppm. Columns were connected to inlet by using a "y-splitter" (AG0-4714) and a 5meter Z-Guard (7AG-G000-00-GZ0). This analysis is normally done on Dual ECD, but such instrumentation was unavailable for this analysis.



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