

Organophosphate Pesticides using the Avantor[®] Hichrom HI-POF 1 Phase

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|----------------|------------------------|---------------------|
| 1. Trichlorfon | 8. Chlorpyrifos-methyl | 15. Quinalphos |
| 2. Phosdrin | 9. Parathion (peak 1) | 16. Bromophos-ethyl |
| 3. Thionazin | 10. Pirimiphos-methyl | 17. Methidathion |
| 4. Ethoprophos | 11. Chlorpyrifos | 18. Ethion |
| 5. Phorate | 12. Malathion | 19. Trithion |
| 6. Fonofos | 13. Parathion (peak 2) | 20. Azinphos-methyl |
| 7. Diazinon | 14. Pirimiphos | 21. Azinphos-ethyl |

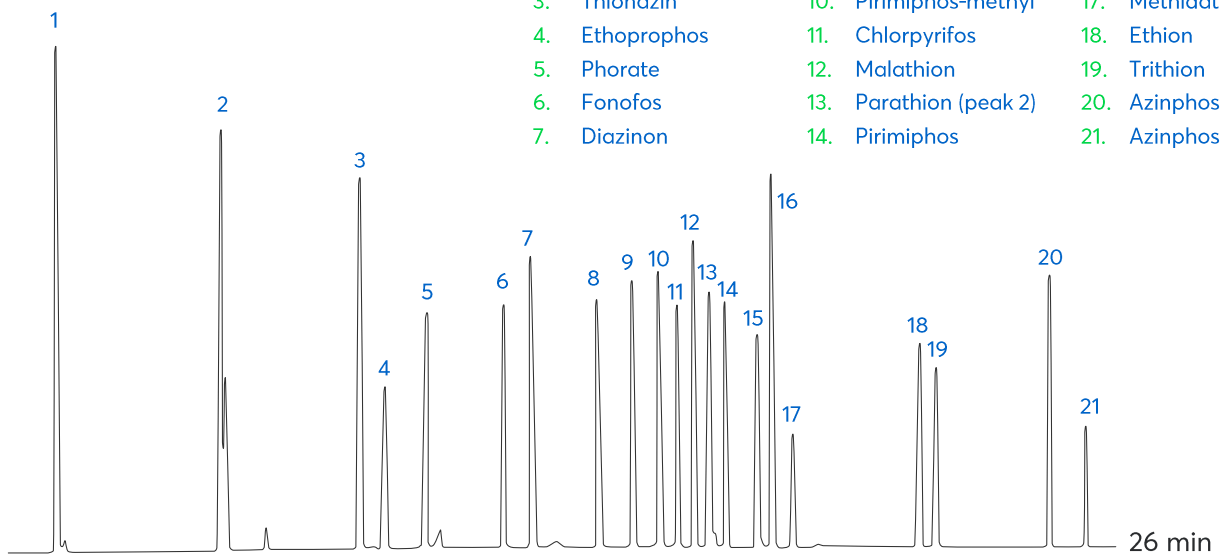


Figure 1: Separation of organophosphate pesticides using the Avantor[®] Hichrom HI-POF 1 phase.

Method Details

CONDITIONS

Oven Program:	100 °C (1 min), 5.5 °C /min, 230 °C , 30 °C /min, 270 °C
Carrier Gas:	Hydrogen, 70 kPa
Injector:	Splitless, 240 °C
Detector:	FPD, 140 °C

The HI-POF 1 is an application specific phase developed especially for the analysis of pesticides, herbicides and insecticides.

ORDERING TABLE

Product	Details	Dimensions	Part Number
Avantor® Hichrom HI-POF 1	GC Column	0.32 mm, 0.25 µm, 30 m	HI55-32-025-30