

CoreFocus
Report
No.415

GC

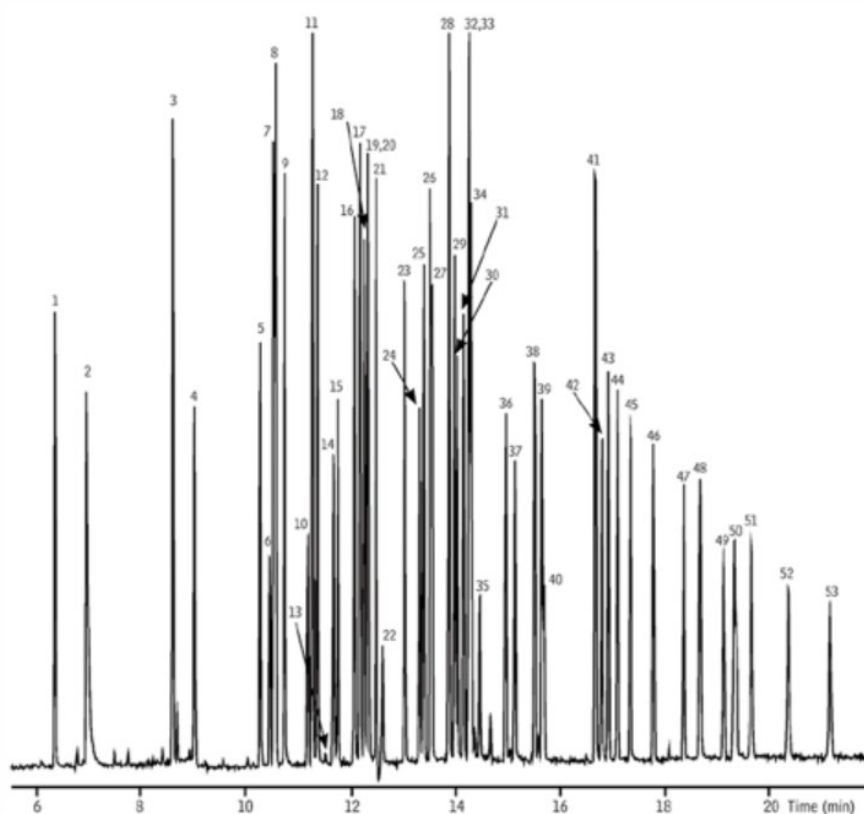
FPD

SH Series

SH-OPP2

**Analysis of Organophosphorus Pesticides
(U.S. EPA Method 8141A)**

Keywords: environmental, food analysis



- | | | |
|----------------------------|---|---------------------------------------|
| 1. Dichlorvos | 19. Dioxathion | 37. Crotoxyphos |
| 2. Hexamethylphosphoramide | 20. Fonophos | 38. Stirofos |
| 3. Mevinphos | 21. Disulfoton | 39. Prothiofos |
| 4. Trichlorfon | 22. Phosphamidon isomer (breakdown product) | 40. Merphos oxone (breakdown product) |
| 5. TEPP | 23. Dichlorofenthion | 41. Ethion |
| 6. Demeton-O | 24. Phosphamidon | 42. Fensulfothion |
| 7. Tributyl phosphate (SS) | 25. Chlorpyrifos methyl | 43. Sulprofos |
| 8. Thionazin | 26. Methyl parathion | 44. Carbophenothion |
| 9. Ethoprop | 27. Ronnel | 45. Famphur |
| 10. Naled | 28. Aspon | 46. Triphenyl phosphate (SS) |
| 11. Sulfotepp | 29. Fenitrothion | 47. EPN |
| 12. Phorate | 30. Malathion | 48. Phosmet |
| 13. Dicrotophos | 31. Chlorpyrifos | 49. Leptophos |
| 14. Monocrotophos | 32. Trichloronate | 50. Tri-o-cresyl phosphate |
| 15. Demeton-S | 33. Parathion-ethyl | 51. Azinphos-methyl |
| 16. Terbufos | 34. Fenthion | 52. Azinphos-ethyl |
| 17. Dimethoate | 35. Merphos | 53. Coumaphos |
| 18. Diazinon | 36. Chlorfenvinphos | |

| | |
|--------------|--|
| Instrument | : GC |
| Column | : SH-OPP2 (30 m x 0.32 mmI.D. df = 0.32 µm), P/N: 221-75887-30 |
| Column Temp. | : 80 °C (0.5 min) - 12 °C/min - 280 °C (10 min) |
| Carrier Gas | : He |
| Dead Time | : 1.03 min at 80 °C |
| Notes | : Constant pressure |
| Inj. Vol | : 1 µL splitless (hold 1 min) |
| Inj. Temp. | : 200 °C |
| Detector | : FPD, 250 °C |

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