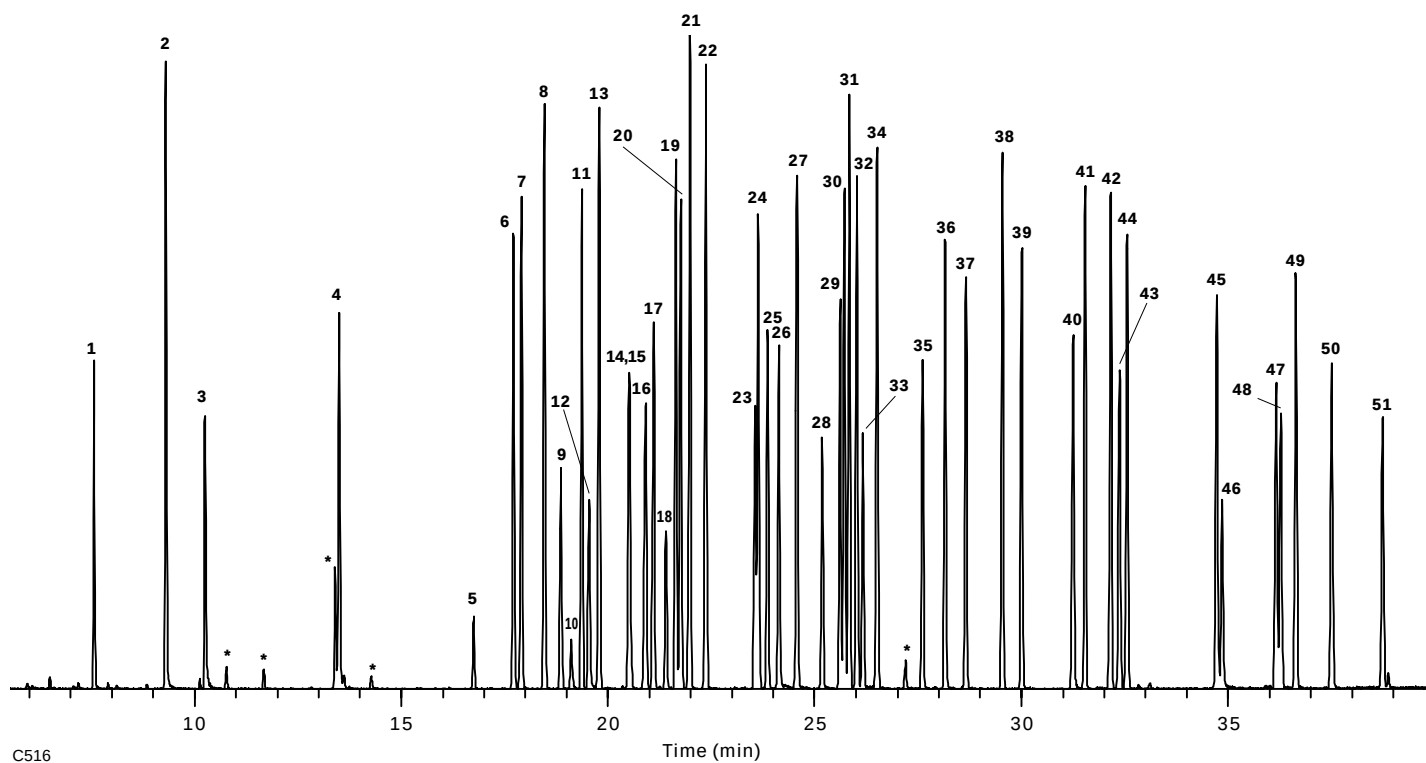


## Elution of OP Pesticides

**Column:** DB-5ms  
 30 m x 0.25 mm I.D., 0.25 µm film  
**J&W P/N:** 122-5532  
**Oven:** 50°C for 1 min  
 50-100°C at 25°/min  
 100-300°C at 5°/min  
 300°C for 5 min  
**Carrier:** Helium at 35 cm/sec, measured at 50°C  
**Injector:** Splitless, 250°C  
 30 sec purge activation time  
 1 µL of 40 µg/mL 8141A standards,  
 Accustandard Inc.  
**Detector:** MSD, 50-500 full scan  
 300°C transfer line



- |                                |                   |                         |                     |                             |
|--------------------------------|-------------------|-------------------------|---------------------|-----------------------------|
| 1. 4-Chloro-3-nitrotrifluoride | 11. Sulfotepp     | 22. Disulfoton          | 33. Ethyl parathion | 44. Carbophenothion         |
| 2. Dichlorvos                  | 12. Monocrotophos | 23. Phosphamidon        | 34. Trichloronate   | 45. Phosmet                 |
| 3. Hexamethylphosphoramide     | 13. Phorate       | 24. Dichlofenthion      | 35. Chlorfenvinphos | 46. EPN                     |
| 4. Mevinphos                   | 14. Dimethoate    | 25. Chlorpyrifos-methyl | 36. Crotoxyphos     | 47. Leptophos               |
| 5. TEPP                        | 15. Demeton-S     | 26. Methyl parathion    | 37. Stirophos       | 48. Azinphos-methyl         |
| 6. Thionazin                   | 16. Simazine      | 27. Ronnel              | 38. Tokuthion       | 49. Tri-o-cresylphosphate   |
| 7. Demeton-O                   | 17. Atrazine      | 28. Fenitrothion        | 39. Merphos         | 50. Azinphos-ethyl          |
| 8. Ethoprop                    | 18. Dioxathion    | 29. Malathion           | 40. Fensulfothion   | 51. Coumaphos               |
| 9. Naled                       | 19. Terbufos      | 30. Aspon               | 41. Ethion          | (Peak not shown on DB-1701) |
| 10. Dicrotophos                | 20. Fonofos       | 31. Chlorpyrifos        | 42. Bolstar         | * Breakdown products        |
|                                | 21. Diazinon      | 32. Fenthion            | 43. Famphur         |                             |

Note: All standards used were supplied courtesy of Accustandard Inc., 25 Science Park, New Haven, CT 06511, 800-442-5290.