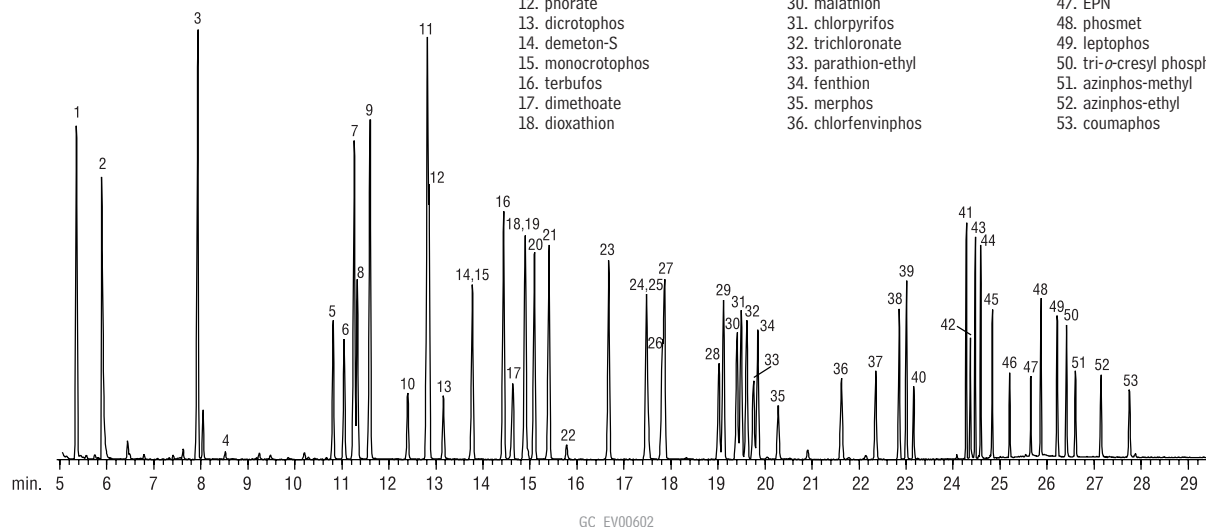


Organophosphorus Pesticides  
US EPA Method 8141A  
Rtx®-OPPesticides2

Best column for most  
resolved compounds  
for Method 8141A.

- |                            |                         |  |
|----------------------------|-------------------------|--|
| 1. dichlorvos              | 19. fonophos            | 37. crotoxyphos                          |
| 2. hexamethylphosphoramide | 20. diazinon            | 38. stirofos                             |
| 3. mevinphos               | 21. disulfoton          | 39. tokuthion                            |
| 4. trichlorfon             | 22. phosphamidon isomer | 40. merphos oxone<br>(breakdown product) |
| 5. TEPP                    | 23. dichlorofenthion    | 41. ethion                               |
| 6. demeton-O               | 24. chlorpyrifos methyl | 42. fensulfothion                        |
| 7. thionazin               | 25. phosphamidon        | 43. bolstar                              |
| 8. tributyl phosphate (IS) | 26. parathion-methyl    | 44. carbophenothion                      |
| 9. ethoprop                | 27. ronnel              | 45. famphur                              |
| 10. naled                  | 28. fenitrothion        | 46. triphenyl phosphate (SS)             |
| 11. sulfotepp              | 29. aspon               | 47. EPN                                  |
| 12. phorate                | 30. malathion           | 48. phosmet                              |
| 13. dicrotophos            | 31. chlorpyrifos        | 49. leptophos                            |
| 14. demeton-S              | 32. trichloronate       | 50. tri- <i>o</i> -cresyl phosphate      |
| 15. monocrotophos          | 33. parathion-ethyl     | 51. azinphos-methyl                      |
| 16. terbufos               | 34. fenthion            | 52. azinphos-ethyl                       |
| 17. dimethoate             | 35. merphos             | 53. coumaphos                            |
| 18. dioxathion             | 36. chlorfenvinphos     |  |



Column: Rtx®-OPPesticides2, 30m, 0.25mm ID, 0.25µm (cat.# 11243)  
 Sample: US EPA Method 8141A Custom Standard Mix 1µL 100ppm  
 (100ng on column)  
 Triphenylphosphate Standard (cat.# 32281)  
 Tributylphosphate Standard (cat.# 32280)  
 8140/8141 OP Pesticides Calibration Mix A (cat.# 32277)  
 8141 OP Pesticides Calibration Mix B (cat.# 32278)  
 Custom Mixes: Call Restek for Information  
 Inj.: 1.0µL splitless (hold 0.4 min.), 4mm double  
 gooseneck inlet liner (cat.# 20785)

Inj. temp.: 250°C  
 Carrier gas: helium, constant flow  
 Flow rate: 1.0mL/min.  
 Oven temp.: 80°C (hold 0.5 min.) to 140°C @ 20°C/min.  
 to 210°C @ 4°C/min. (hold 1 min.) to  
 280°C @ 30°C (hold 5 min.)  
 Det: MS  
 Transfer line temp.: 280°C  
 Scan range: 35-400amu  
 Ionization: EI

Chromatogram Search Tool

Search by compound name, synonym,  
CAS # or keyword  
[www.restek.com/chromatograms](http://www.restek.com/chromatograms)

