

Organophosphorous Pesticides (EPA Method 8141A)

Column: DB-35ms

30 m x 0.25 mm I.D., 0.25 µm

J&W P/N: 122-3832

Carrier: Helium at 35 cm/sec, measured at 50°C

Oven: 50°C for 1 min

50-100°C at 25°/min

100-300°C at 5°/min

300°C for 5 min

Injector: Splitless, 250°C

30 sec purge activation time

1 µL of 40 µg/mL 8141A standards,

Accustandard Inc.

Detector: MSD, full scan at m/z 50-500

300°C transfer line

1. 4-Chloro-3-nitrotrifluoride
2. Dichlorvos
3. Hexamethylphosphoramide
4. Mevinphos
5. TEPP
6. Thionazin
7. Demeton-O
8. Ethoprop
9. Naled
10. Dicrotophos
11. Sulfotepp
12. Monocrotophos
13. Phorate
14. Dimethoate
15. Demeton-S
16. Simazine
17. Atrazine
18. Dioxathion
19. Terbufos
20. Fonofos
21. Diazinon
22. Disulfoton
23. Phosphamidon

24. Dichlofenthion
25. Chlorpyrifos-methyl
26. Methyl parathion
27. Ronnel
28. Fenitrothion
29. Malathion
30. Aspon

31. Chlorpyrifos
32. Fenthion
33. Ethyl parathion
34. Trichloronate
35. Chlorfenvinphos
36. Crotoxyphos
37. Stirophos
38. Tokuthion
39. Merphos
40. Fensulfothion
41. Ethion
42. Bolstar
43. Famphur
44. Carbophenothion
45. Phosmet
46. EPN
47. Leptophos
48. Azinphos methyl
49. Tri-o-cresyl phosphate
50. Azinphos ethyl
51. Coumaphos

* Breakdown products

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

