

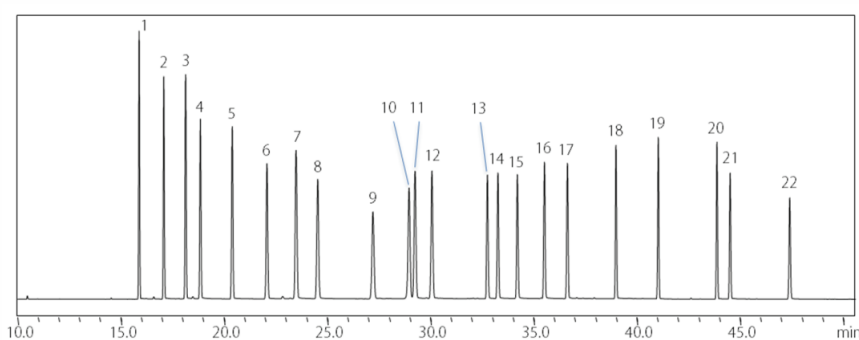
CoreFocus
Report
No.315

GC FPD(P) AOC SH Series

SH-1701

Analysis of High-Concentration Organophosphorus pesticides

Keywords: Split injection, Organophosphorus pesticides



1. Ethoprophos
2. Phorate
3. Thiometon
4. Terbufos
5. Etrimfos
6. ECP (Dichlofenthion)
7. Dimethoate
8. Tolclofos-methyl
9. Chlorpyrifos
10. Formothion
11. MPP (Fenthion)
12. MEP (Fenitrothion)
13. Isofenphos
14. PAP (Phenthoate)
15. Prothiofos
16. DMTP (Mathidathion)
17. Butamifos
18. Sulprofos
19. Fensulfothion
20. EPN
21. PMP (Phosmet)
22. Pyraclofos
(20 mg/L each)

GC Model	: Nexis™ GC-2030
Detector	: FPD-2030 (P-mode)
Column	: SH-1701 (30 m x 0.25 mm I.D. df = 0.25 μm), P/N: 221-75777-30
Column Temperature	: 60 °C (2 min) - 25 °C/min - 150 °C (0 min) - 5 °C/min - 200 °C (12min) - 5°C/min - 280 °C (7 min) Total 50.6 min
Injection Mode	: Split 1:20
Carrier Gas Controller	: Constant Linear Velocity (He)
Linear Velocity	: 30 cm/s
Injection Temperature	: 250 °C
Detector Temperature	: 275 °C
Injection Volume	: 1 μL

Source : Application News G294 ([JP](#), [ENG](#))

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