

# GC Application

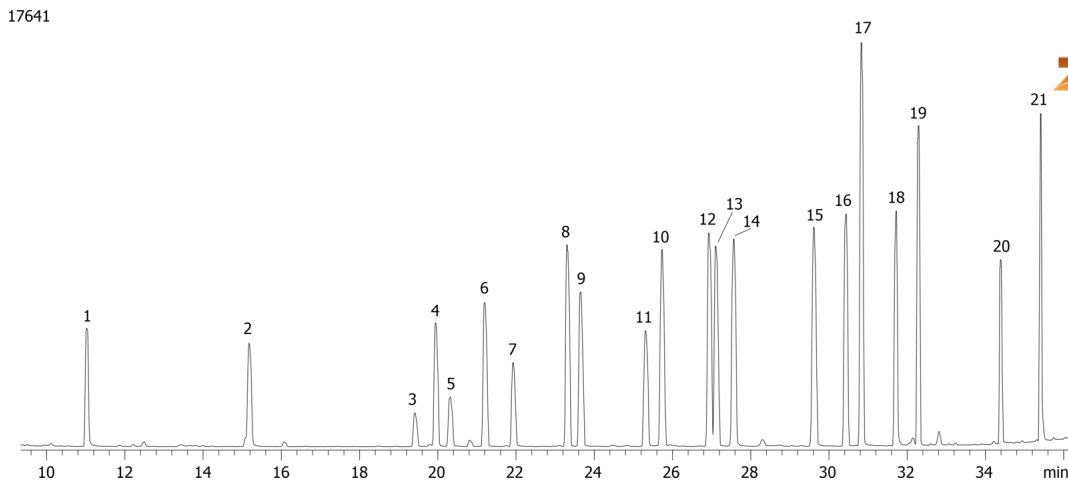
ID No.: 17641

## Organophosphorous Pesticides (EPA 8141) Mix # 1 on ZB-5ms

**Column:** Zebron<sup>™</sup> ZB-5MS, GC Cap. Column 30 m x 0.25 mm x 0.25  $\mu$ m, Ea  
**Phase:** 5% Phenyl-Arylene 95% Dimethylpolysiloxane  
**Dimensions:** 30 meters x 0.25 mm x 0.25  $\mu$ m  
**Order No:** 7HG-G010-11  
**Oven Profile:** 40 °C for 1 min to 100 °C @ 15 °C/min to 225 °C @ 5 °C/min to 320 °C @ 15 °C/min for 8 min  
**Carrier Gas:** Constant Flow Helium, 0.8 mL/min  
**Injection:** On-Column :1 0.5  $\mu$ L @ 43°C  
**Detection:** Mass Selective (MSD) (335°C)  
**Analyst Note:** Analytes 10 ppm in Acetone



Products used in this application:



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### ANALYTES:

- 1 Dichlorvos
- 2 Mevinphos
- 3 Demeton
- 4 Ethoprop
- 5 Naled
- 6 Phorate
- 7 Demeton
- 8 Diazinon
- 9 Disulfoton
- 10 Fenchlorphos
- 11 Methyl parathion
- 12 Chlorpyrifos
- 13 Fenthion
- 14 Trichloronate
- 15 Tetrachlorvinphos
- 16 Prothiophos
- 17 Merphos
- 18 Fensulfothion
- 19 Sulprofos
- 20 Azinphos-methyl
- 21 Coumaphos

