

GC Application

ID No.: 16181

EPA 8141: Organophosphorous Pesticides on ZB-MR1

Column: Zebron[™] ZB-MultiResidue[™]-1, GC Cap. Column 30 m x 0.32 mm x 0.50 μm, Ea

Phase: Proprietary Pesticides Phase

Dimensions: 30 meters x 0.32 mm x 0.5 μm

Order No: 7HM-G016-17

Oven Profile: 100 °C for 0.5 min to 180 °C at 20 °C/min to 240 °C at 6 °C/min to 320 °C at 15 °C/min for 2 min

Carrier Gas: Constant Flow Helium, 2.8 mL/min

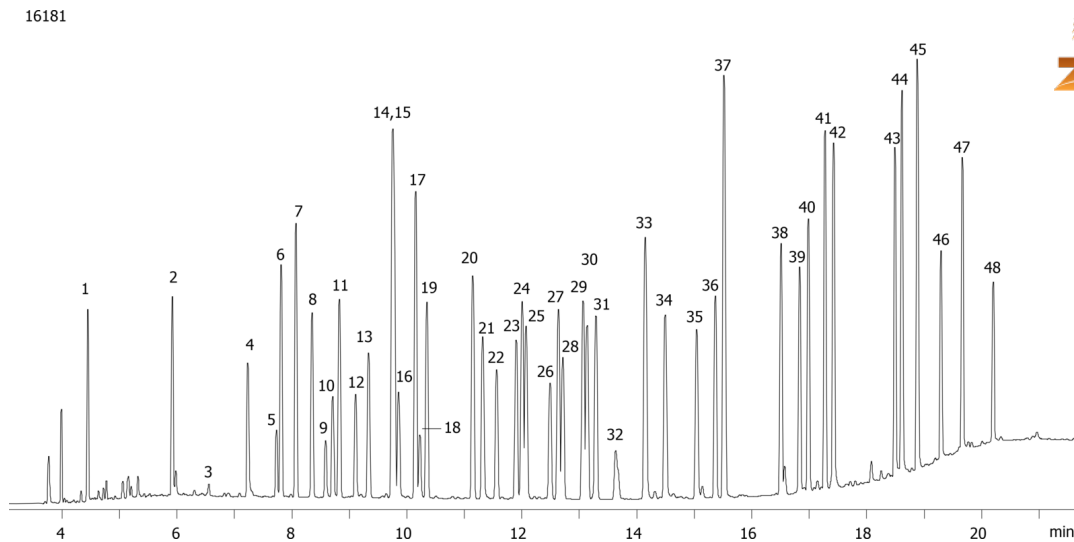
Injection: On-Column :1 1 μL @ 103°C

Detection: Flame Ionization (FID) (340°C)

Analyst Note: Analytes are 2 ppm in Dichloromethane. Columns connected via a 5 m guard and 'Y' connector.



Products used in this application:



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ANALYTES:

- | | |
|-------------------------------|---------------------------|
| 1 Dichlorvos | 41 Carbofenthion |
| 2 Mevinphos | 42 Famphur |
| 3 Trichlorfon | 43 EPN |
| 4 TEPP | 44 Phosmet |
| 5 Demeton | 45 Leptophos |
| 6 Thionazin | 46 Azinphos methyl |
| 7 Ethoprop | 47 Azinphos ethyl |
| 8 Sulfotep | 48 Coumaphos |
| 9 Naled | |
| 10 Dicrotophos | |
| 11 Phorate | |
| 12 Monocrotophos | |
| 13 Demeton | |
| 14 Terbufos | |
| 15 Diazinon | |
| 16 Dimethoate | |
| 17 Fonofos | |
| 18 Phosphamidon | |
| 19 Disulfoton | |
| 20 Dichlofenthion | |
| 21 Phosphamidon | |
| 22 Chlorpyrifos methyl | |
| 23 Ronnel | |
| 24 Aspon | |
| 25 Methyl parathion | |
| 26 Malathion | |
| 27 Fenitrothion | |
| 28 Chlorpyrifos | |
| 29 Fenthion | |
| 30 Trichloronate | |
| 31 Parathion | |
| 32 Merphos | |
| 33 Chlorfenvinphos | |
| 34 Crotoxyphos | |
| 35 Tetrachlorvinphos | |
| 36 Tokuthion | |
| 37 Merphos oxide | |
| 38 Ethion | |
| 39 Fensulfothion | |
| 40 contaminant | |

