

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

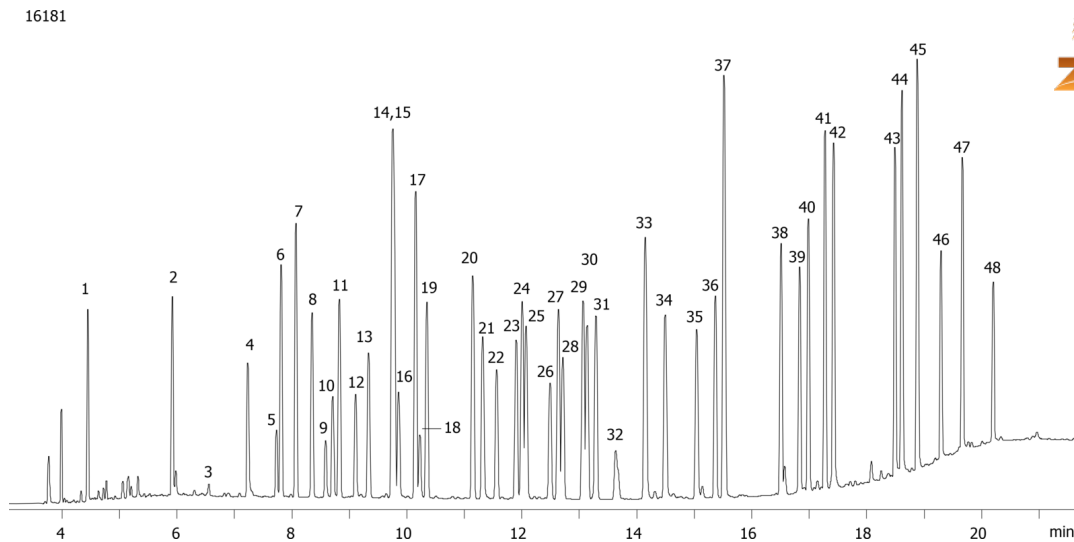
Injection: On-Column :1 1 μL @ 103°C

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 | | |

