

Nitrogen and Phosphorus Pesticides using MSD on ZB-5MSi

Column: Zebtron™ ZB-5MSi, GC Cap. Column 30 m x 0.25 mm x 0.25 μm, Ea
Phase: 5% Phenyl 95% Dimethylpolysiloxane
Dimensions: 30 meters x 0.25 mm x 0.25 μm
Order No: 7HG-G018-11
Oven Profile: 100 °C to 190 °C @ 20 °C/min for 5 min to 230 °C at 5 °C/min to 360 °C @ 20 °C/min.

Carrier Gas: Constant Flow Helium, 0.8 mL/min

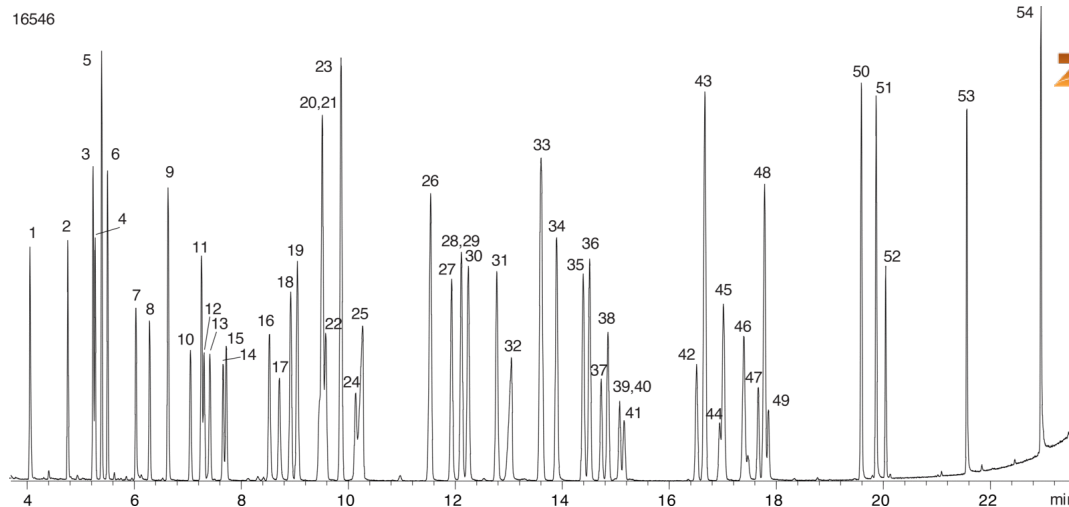
Injection: Split 5:1 1 μL @ 250°C

Detection: Mass Selective (MSD) (180°C)

Analyst Note: Analytes are 25ppm in acetone



Products used in this application:



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ANALYTES:

- | | | | |
|----|---------------|----|---------------------|
| 1 | Dichlorvos | 41 | Merphos |
| 2 | EPTC | 42 | Tetrachlorvinphos |
| 3 | Mevinphos | 43 | Butachlor |
| 4 | Butylate | 44 | Fenamiphos |
| 5 | Vernolate | 45 | Napropamide |
| 6 | Pebulate | 46 | Tricyclazole |
| 7 | Tebuthiuron | 47 | Oxadiazon |
| 8 | Molinate | 48 | Carboxin |
| 9 | DEET | 49 | Oxyfluorfen |
| 10 | Propachlor | 50 | Norflurazon |
| 11 | Ethoprop | 51 | Hexazinone |
| 12 | Cycloate | 52 | Triphenyl phosphate |
| 13 | Chloropham | 53 | Fenarimol |
| 14 | Trifluralin | 54 | Fluridone |
| 15 | Benfluralin | | |
| 16 | Atraton | | |
| 17 | Prometon | | |
| 18 | Atrazine | | |
| 19 | Propazine | | |
| 20 | Terbufos | | |
| 21 | Profluralin | | |
| 22 | Pronamide | | |
| 23 | Diazinon | | |
| 24 | Disulfoton | | |
| 25 | Terbacil | | |
| 26 | Metribuzin | | |
| 27 | Simetryn | | |
| 28 | Ametryn | | |
| 29 | Alachlor | | |
| 30 | Prometryn | | |
| 31 | Terbutryn | | |
| 32 | Bromacil | | |
| 33 | Metolachlor | | |
| 34 | Triadimefon | | |
| 35 | MGK-264 | | |
| 36 | Diphenamide | | |
| 37 | Isopropalin | | |
| 38 | MGK-264 | | |
| 39 | Penoxaline | | |
| 40 | Pendimethalin | | |

