

# GC Application

ID No.: 16279

## EPA Methods 508 and 8081A on ZB-MR1

**Column:** Zebron<sup>™</sup> ZB-MultiResidue<sup>™</sup>-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:** 120 °C for 0.5 min to 210 °C at 30 °C/min to 300 °C at 6 °C/min for 2 min

**Carrier Gas:** Constant Flow Helium, 1.2 mL/min

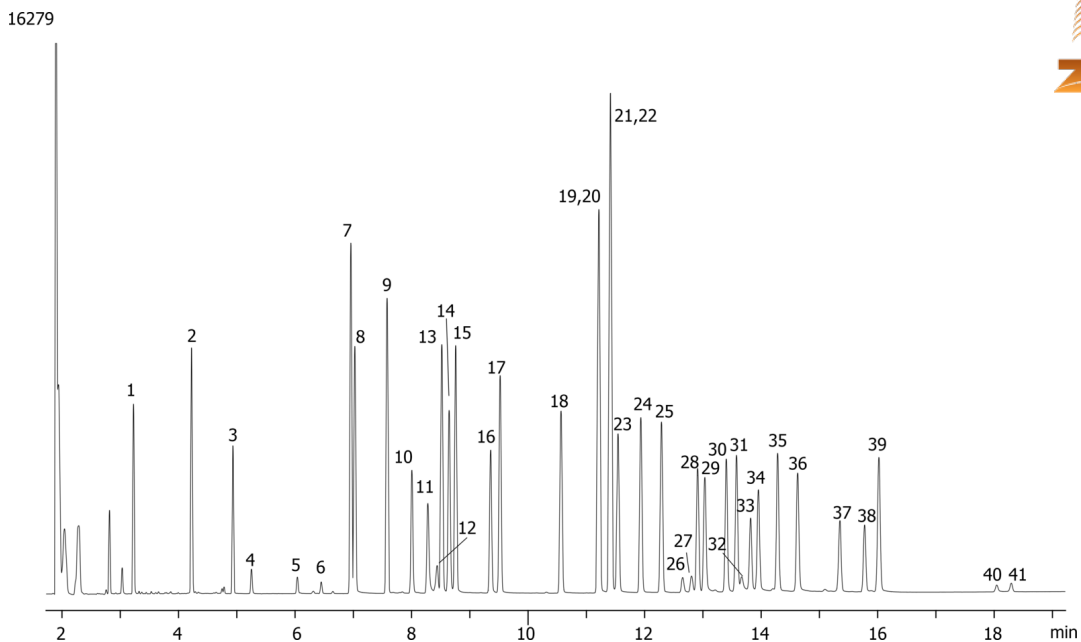
**Injection:** On-Column :1 1 μL @ 123°C

**Detection:** Electron Capture (ECD) (340°C)

**Analyst Note:** All analytes are 50ppb in isoctane.



Products used in this application:



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### ANALYTES:

- |    |                           |    |            |
|----|---------------------------|----|------------|
| 1  | DBCP                      | 41 | Permethrin |
| 2  | Hexachlorocyclopentadiene |    |            |
| 3  | Etridiazole               |    |            |
| 4  | Chloroneb                 |    |            |
| 5  | Propachlor                |    |            |
| 6  | Di-allate                 |    |            |
| 7  | alpha-BHC                 |    |            |
| 8  | Hexachlorobenzene         |    |            |
| 9  | gamma-BHC                 |    |            |
| 10 | b-BHC                     |    |            |
| 11 | Dichlone                  |    |            |
| 12 | Alachlor                  |    |            |
| 13 | delta-BHC                 |    |            |
| 14 | Chlorothalonil            |    |            |
| 15 | Heptachlor                |    |            |
| 16 | Dacthal                   |    |            |
| 17 | Aldrin                    |    |            |
| 18 | Heptachlor epoxide        |    |            |
| 19 | Captan                    |    |            |
| 20 | trans-Chlordane           |    |            |
| 21 | cis-Chlordane             |    |            |
| 22 | trans-Nonachlor           |    |            |
| 23 | Endosulfan I              |    |            |
| 24 | 4,4'-DDE                  |    |            |
| 25 | Dieldrin                  |    |            |
| 26 | Chloropropylate           |    |            |
| 27 | Chlorobenzilate           |    |            |
| 28 | Endrin                    |    |            |
| 29 | Nitrofen                  |    |            |
| 30 | 4,4'-DDD                  |    |            |
| 31 | Endosulfan II             |    |            |
| 32 | Kepone                    |    |            |
| 33 | Trithion                  |    |            |
| 34 | Endrin aldehyde           |    |            |
| 35 | 4,4'-DDT                  |    |            |
| 36 | Endosulfan sulfate        |    |            |
| 37 | Captafol                  |    |            |
| 38 | Methoxychlor              |    |            |
| 39 | Endrin ketone             |    |            |
| 40 | Permethrin                |    |            |

