

# GC Application

ID No.: 16159

## EPA 8081: Organochlorine Pesticides on ZB-MR1

**Column:** Zebtron<sup>™</sup> ZB-MultiResidue<sup>™</sup>-1, GC Cap. Column 30 m x 0.53 mm x 0.50 μm, Ea

**Phase:** Proprietary Pesticides Phase

**Dimensions:** 30 meters x 0.53 mm x 0.5 μm

**Order No:** 7HK-G016-17

**Oven Profile:** 90 °C for 0.5 min to 320 °C at 15 °C/min for 5 min

**Carrier Gas:** Constant Flow Helium, 5.2 mL/min

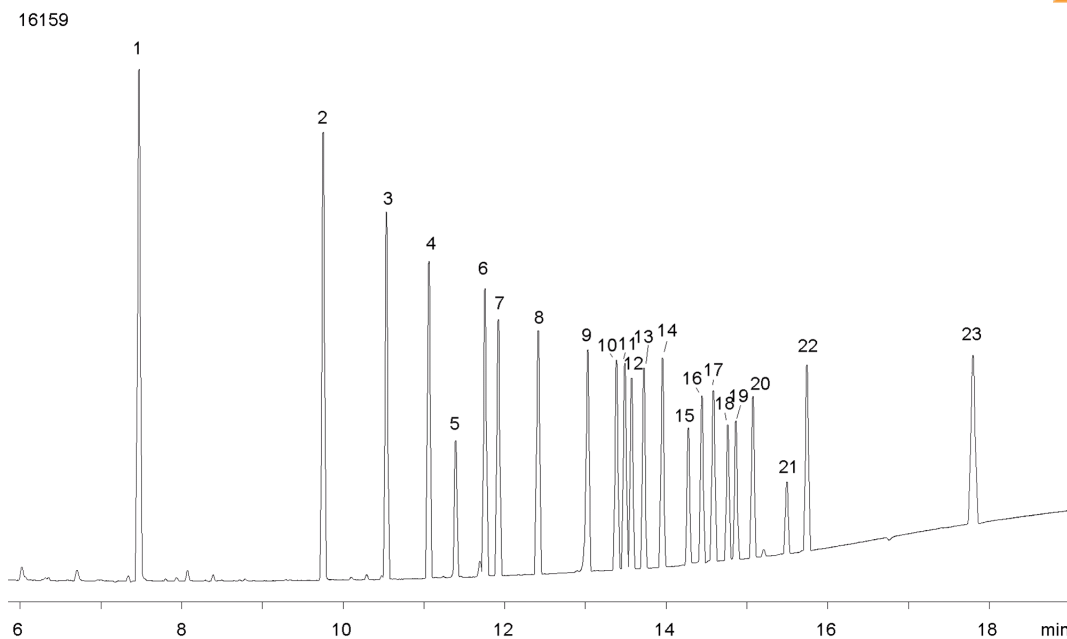
**Injection:** Splitless :1 1 μL @ 250°C

**Detection:** Electron Capture (ECD) (350°C)

**Analyst Note:** Performed using a 5m Guard Column and a 'Y' splitter.



Products used in this application:



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### ANALYTES:

- 1 TCMX (surrogate)
- 2 1-Bromo-2-nitrobenzene (internal standard)
- 3 alpha-BHC
- 4 gama-BHC (Lindane)
- 5 b-BHC
- 6 delta-BHC
- 7 Heptachlor
- 8 Aldrin
- 9 Heptachlor epoxide
- 10 trans-Chlordane (gamma)
- 11 cis-Chlordane (alpha)
- 12 Endosulfan I
- 13 4,4'-DDE
- 14 Dieldrin
- 15 Endrin
- 16 4,4'-DDD
- 17 Endosulfan II
- 18 Endrin aldehyde
- 19 4,4'-DDT
- 20 Endosulfan sulfate
- 21 Methoxychlor
- 22 Endrin ketone
- 23 Decachlorobiphenyl (surrogate)

