

GC Application

ID No.: 23636

EPA 505.1 by GC/ECD on ZB-CLPesticides-1 (Hydrogen Gas)

Column: Zebtron ZB-CLPesticides-1 Column 30m x 0.32mm x 0.32µm , Ea

Phase: Proprietary Pesticides Phase

Dimensions: 30 meters x 0.32 mm x 0.32 µm

Order No: 7HM-G028-51

Oven Profile: 90 °C for 1 min to 310 °C at 10 °C/min for 5 min

Carrier Gas: Constant Flow Hydrogen, 50 cm/sec

Injection: Splitless :1 1 µL @ 250°C

Detection: Electron Capture (ECD) (330°C)

Analyst Note: 50 cm/sec is 2.6 mL/min.

Analytes are 250 ng/mL in hexane.

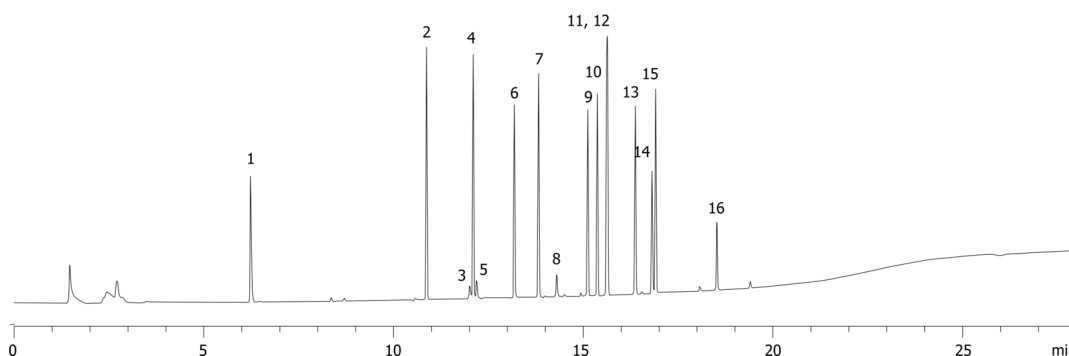
Columns are split using a Y-splitter connected to a 5 m x 0.32 ID Z-Guard™ column (7AM-G000-00-GZ0).



Products used in this application:



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ANALYTES:

- 1 Hexachlorocyclopentadiene
- 2 Hexachlorobenzene
- 3 Simazine
- 4 g-BHC
- 5 Atrazine
- 6 Heptachlor
- 7 Aldrin
- 8 Alachlor
- 9 Heptachlor epoxide
- 10 g-Chlordane
- 11 trans-Nonachlor
- 12 a-Chlordane
- 13 Dieldrin
- 14 Endrin
- 15 Cis-Nonachlor
- 16 Methoxychlor

