

# GC Application

ID No.: 16497

## Heterocyclics on ZB-MR1

**Column:** Zebtron<sup>™</sup> ZB-MultiResidue<sup>™</sup>-1, GC Cap. Column 30 m x 0.25 mm x 0.25 μm, Ea

**Phase:** Proprietary Pesticides Phase

**Dimensions:** 30 meters x 0.25 mm x 0.25 μm

**Order No:** 7HG-G016-11

**Oven Profile:** 60 °C for 2 min to 200 °C @ 15 °C/min to 320 °C @ 30 °C/min for 2 min

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

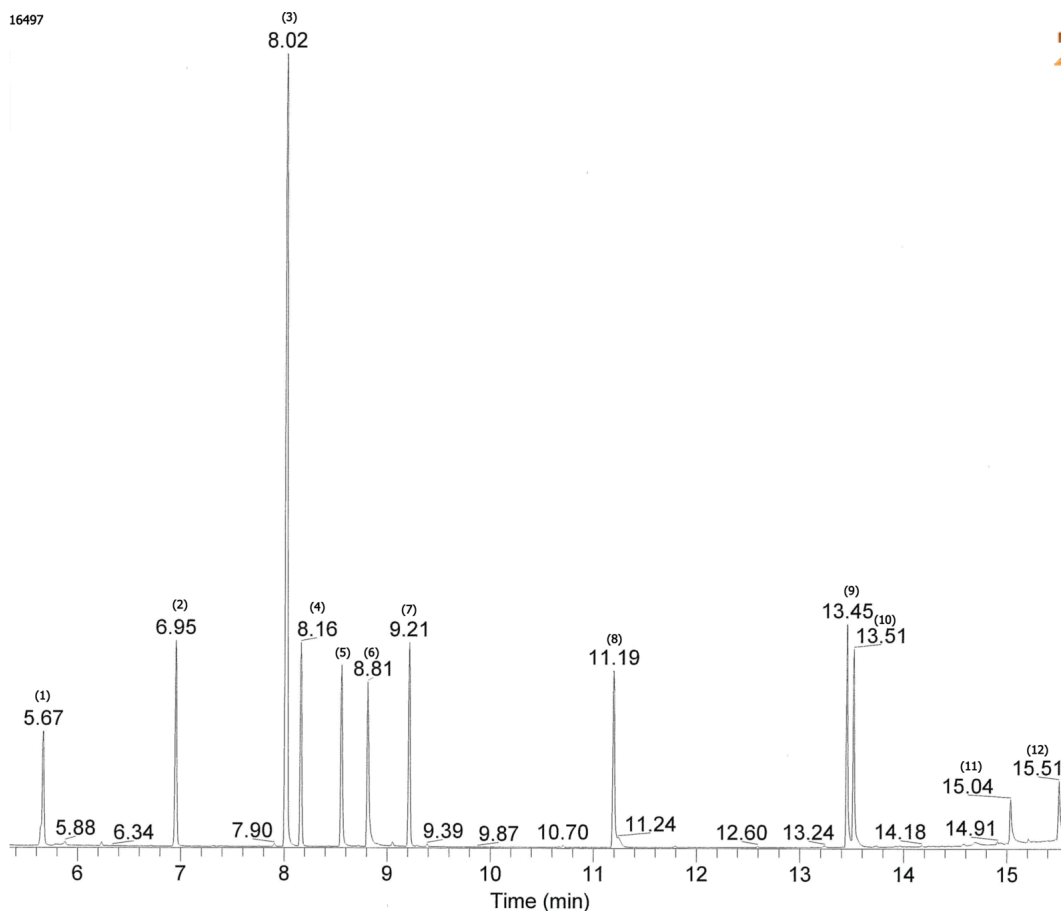
**Injection:** Splitless :1 1 μL @ 260°C

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

**Analyst Note:** Column with 5 meter guard. Analytes are 1.0 ppm.  
Application courtesy of Annegret Tischendorf, Südsachsen Wasser GmbH



Products used in this application:



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### ANALYTES:

- 1 Benzo(b)furan
- 2 2-Methylbenzofuran
- 3 1-Benzothiophen
- 4 2,3-Dimethylbenzofuran
- 5 Chinolin
- 6 Isochinolin
- 7 3-Methylbenzothiophen
- 8 Dibenzofuran
- 9 Carbazole
- 10 Xanthenone
- 11 (5H)-Phenantridinone
- 12 Acridinon

