

# GC Application

ID No.: 16657

## Bioethanol by MSD on a ZB-1

**Column:** Zebron™ ZB-1, GC Cap. Column 100 m x 0.25 mm x 0.50 µm, Ea

**Phase:** 100% Dimethylpolysiloxane

**Dimensions:** 100 meters x 0.25 mm x 0.5 µm

**Order No:** 7MG-G001-17

**Oven Profile:** 35°C for 12 min to 250°C @ 30°C/min for 19 min

**Carrier Gas:** Constant Flow Helium, 24 cm/sec

**Injection:** Split 200:1 0.1 µL @ 300°C

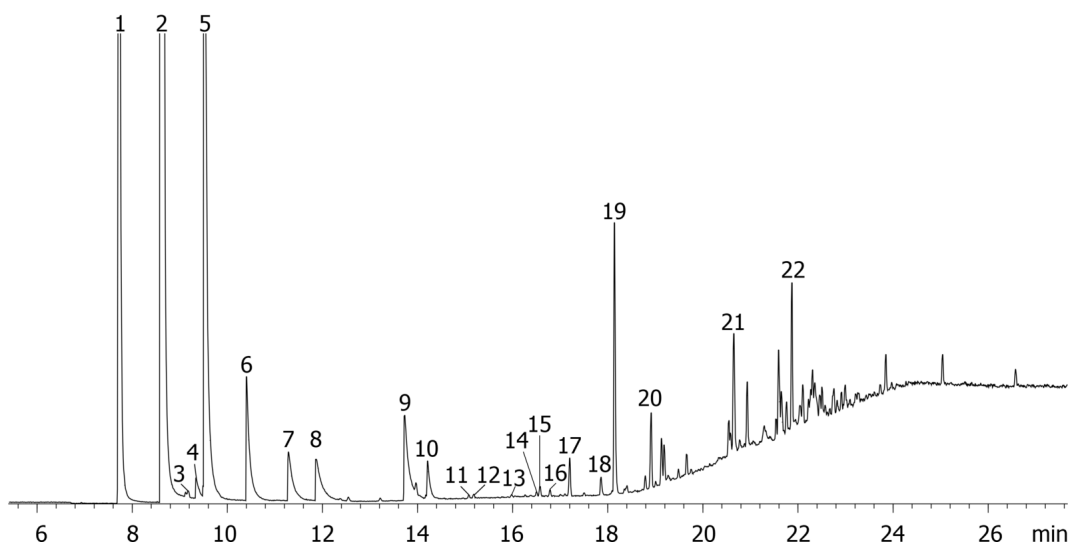
**Detection:** Mass Selective (MSD) (230°C)

**Analyst Note:** Ethanol ~95%, Methanol ~2%, Gasoline ~2%, Fusel Alcohols ~1%

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Products used in this application:



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### ANALYTES:

- 1 Methanol
- 2 Ethanol
- 3 Acrolein
- 4 Acetone
- 5 Isopropyl alcohol
- 6 t-Butanol
- 7 Allyl alcohol
- 8 n-Propanol
- 9 2-Butanol
- 10 Ethyl acetate
- 11 Methylcyclopentane
- 12 2,4-Dimethylpentane
- 13 Benzene
- 14 Cyclohexane
- 15 2,3-Dimethylpentane
- 16 3-Methylhexane
- 17 2,2,4-Trimethylpentane
- 18 Heptane
- 19 Acetal
- 20 Toluene
- 21 Xylene
- 22 Trimethylbenzene

