

# GC Application

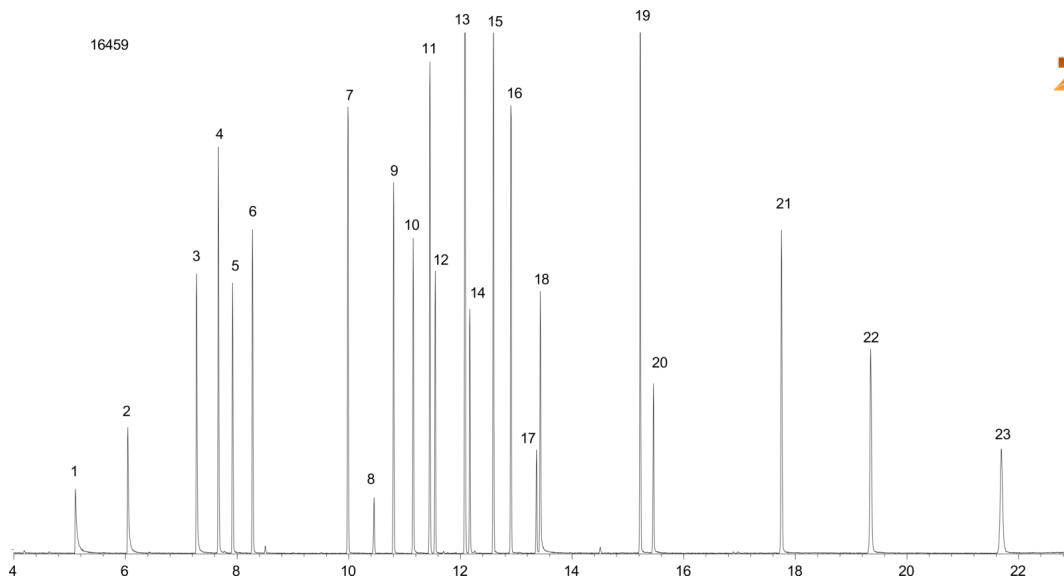
ID No.: 16459

## Benzene Derivatives on ZB-5MSi

**Column:** Zebron<sup>™</sup> ZB-5MSi, GC Cap. Column 30 m x 0.25 mm x 0.25  $\mu$ m, Ea  
**Phase:** 5% Phenyl 95% Dimethylpolysiloxane  
**Dimensions:** 30 meters x 0.25 mm x 0.25  $\mu$ m  
**Order No:** 7HG-G018-11  
**Oven Profile:** 40 °C for 2 min to 260 °C @ 15 °C/min for 5 min to 320 °C at 15 °C/min for 2 min.  
**Carrier Gas:** Constant Flow Helium, 1.7 mL/min  
**Injection:** Splitless :1 1  $\mu$ L @ 240°C  
**Detection:** Mass Selective (MSD) (180°C)  
**Analyst Note:** 50ppm in methylene chloride



Products used in this application:



## Benzene Derivatives on ZB-5MSi

### ANALYTES:

- 1 Methyl methane sulfonate
- 2 Ethyl methane sulfonate
- 3 Benzyl alcohol
- 4 Acetophenone
- 5 Nitrobenzene
- 6 Isophorone
- 7 Safrole
- 8 Isosafrole
- 9 Isosafrole
- 10 1,4-Naphthoquinone
- 11 Dimethyl phthalate
- 12 2,6-Dinitrotoluene
- 13 Dibenzofuran
- 14 2,4-Dinitrotoluene
- 15 Diethyl phthalate
- 16 Azobenzene
- 17 1,3,5-Trinitrobenzene
- 18 Phenacetin
- 19 Dibutyl phthalate
- 20 4-Nitroquinoline-1-oxide
- 21 Butyl benzyl phthalate
- 22 bis(2-Ethylhexyl)phthalate
- 23 Di-n-octyl phthalate

