

HPLC Application

ID No.: 5498

Hydrophobicity Comparison

Column: Prodigy™ 3 μm ODS-3 100 Å, LC Column 100 x 4.6 mm, Ea

Dimensions: 100 x 4.6 mm ID

Order No: 00D-4222-E0

Elution Type: Isocratic

Eluent A: Water

Eluent B: Acetonitrile

| Gradient Profile: | Step No. | Time (min) | Pct A | Pct B |
|-------------------|----------|------------|-------|-------|
| | 1 | 0 | 20 | 80 |

Flow Rate: 1 mL/min

Col. Temp.: ambient

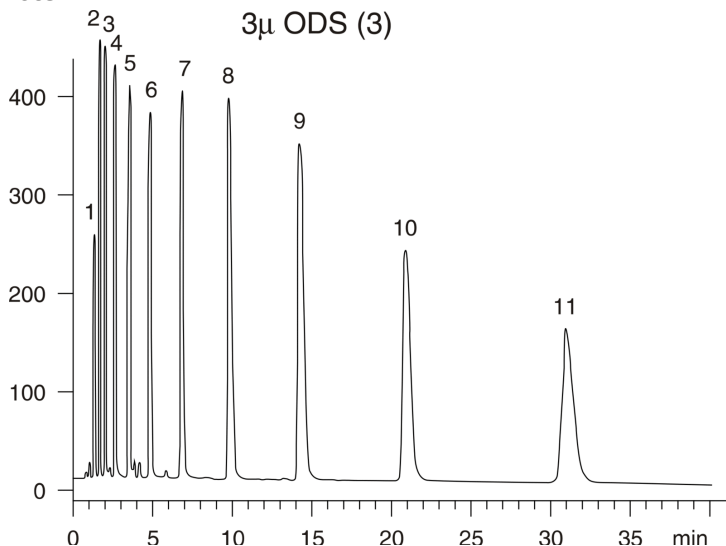
Detection: UV-Vis Abs.-Variable Wave.(UV) @ 254 nm (ambient)

Analyst Note: Homologous series of Alkylbenzenes, from benzene to decylbenzene



Products used in this application:

Prodigy™



Hydrophobicity Comparison

ANALYTES:

- 1 Benzene
- 2 Toluene
- 3 Ethylbenzene
- 4 Propylbenzene
- 5 Butylbenzene
- 6 Pentylbenzene
- 7 Hexylbenzene
- 8 Heptylbenzene
- 9 Octylbenzene
- 10 Nonylbenzene
- 11 Decylbenzene

