

# GC Application

ID No.: 19264

## ASTM D7169 (Hydrocarbons C7-C100+) on ZB-1XT 5x0.53x0.15

**Column:** Zebtron™ ZB-1XT SimDist Metal, GC Cap. Column 5 m x 0.53 mm x 0.15 µm, Ea

**Phase:** 100% Dimethylpolysiloxane

**Dimensions:** 5 meters x 0.53 mm x 0.15 µm

**Order No:** 7AK-G026-05

**Oven Profile:** 30 °C to 450 °C @ 10 °C/min for 10 min

**Carrier Gas:** Constant Flow Helium, 7 mL/min

**Injection:** On-Column :1 1 µL @ 33°C

**Detection:** Flame Ionization (FID) (450°C)

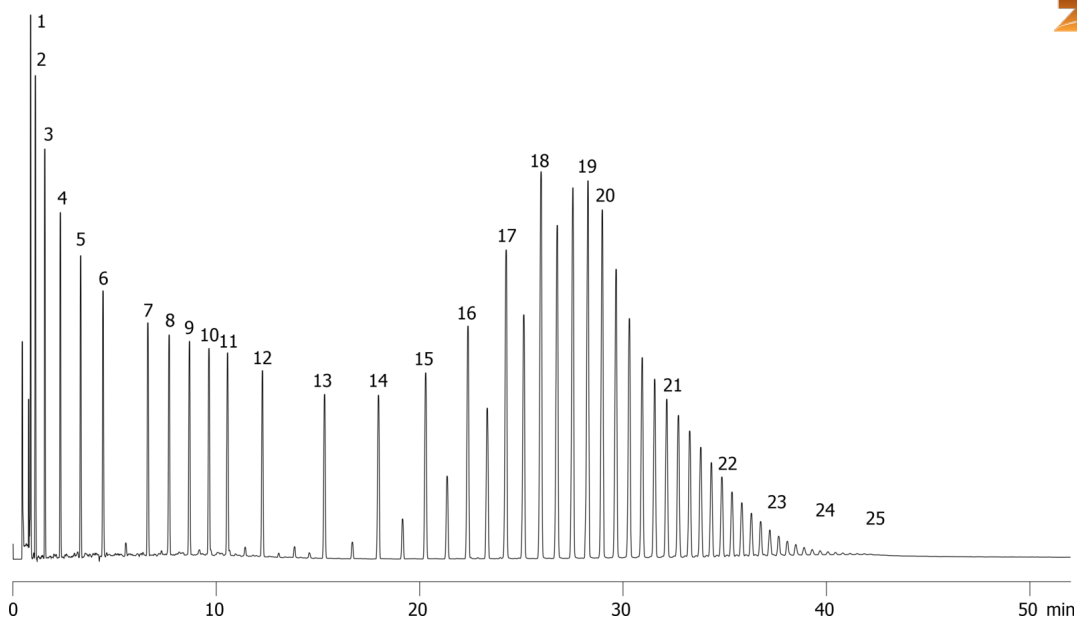
**Analyst Note:** Sample in CS2. Chromatogram is baseline subtracted.



Products used in this application:



19264



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### ANALYTES:

- 1 Heptane (C7)
- 2 Octane (C8)
- 3 Nonane (C9)
- 4 Decane (C10)
- 5 Undecane (C11)
- 6 Dodecane (C12)
- 7 Tetradecane (C14)
- 8 Pentadecane (C15)
- 9 Hexadecane (C16)
- 10 Heptadecane (C17)
- 11 Octadecane (C18)
- 12 Eicosane (C20)
- 13 Tetracosane (C24)
- 14 Octacosane (C28)
- 15 Dotriacontane (C32)
- 16 Hexatriacontane (C36)
- 17 Tetracontane (C40)
- 18 Tetratetracontane (C44)
- 19 Pentacontane (C50)
- 20 Dopentacontane (C52)
- 21 Hexacontane (C60)
- 22 Heptacontane (C70)
- 23 Octacontane (C80)
- 24 Nonacontane (C90)
- 25 Hectane (C100)

