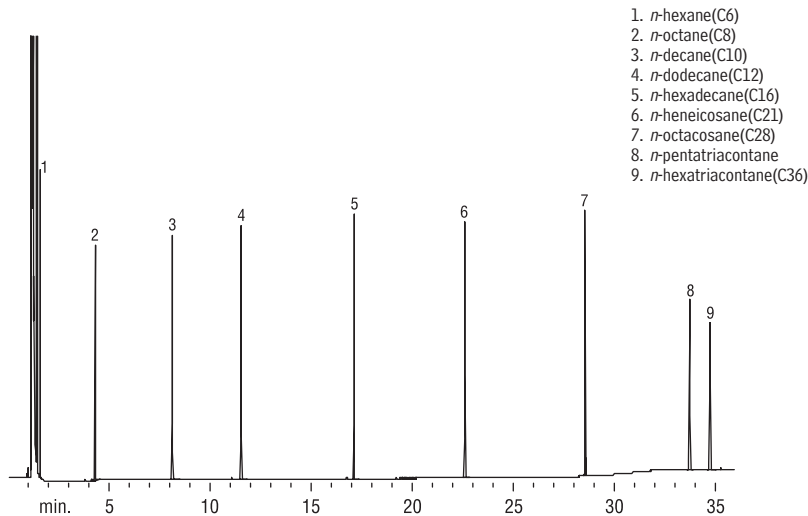


Texas UST: Alternate Boiling Point/Carbon Number Distribution Marker

Rtx®-5



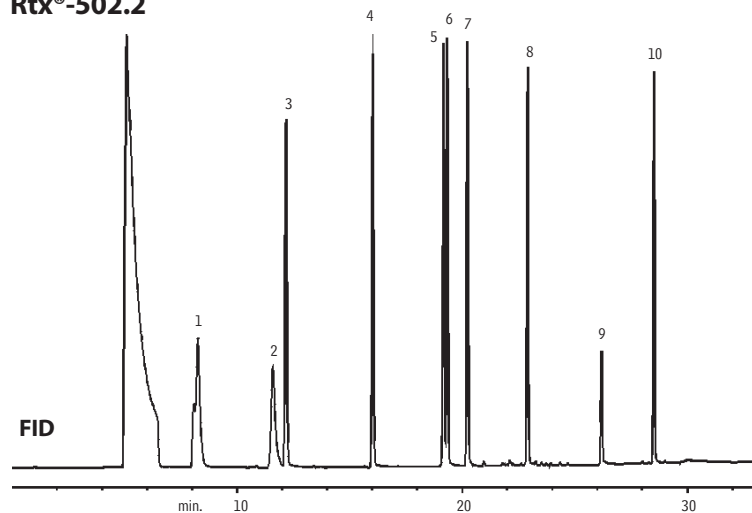
1. *n*-hexane(C6)
2. *n*-octane(C8)
3. *n*-decane(C10)
4. *n*-dodecane(C12)
5. *n*-hexadecane(C16)
6. *n*-heneicosane(C21)
7. *n*-octacosane(C28)
8. *n*-pentatriacontane
9. *n*-hexatriacontane(C36)

GC\_EV00691

Column: Rtx®-5, 30m, 0.25mm ID, 0.50µm (cat.# 10238)  
 Sample: 1µL Alternate Boiling Point/Carbon Number Distribution Marker Stock Solution (cat.# 31639), 200µg/mL each component in pentane  
 Carrier gas: hydrogen @ 40cm/sec.  
 Oven temp.: 40°C (hold 2 min.) to 330°C @ 10°C/min. (hold 5 min.)  
 Inj. temp.: 250°C  
 Det. temp.: 330°C  
 Det.: FID

Wisconsin GRO Mix, plus C12

Rtx®-502.2



Column: Rtx®-502.2, 105m, 0.53mm ID, 3.0µm (cat.# 10910)  
 Sample: GRO Mix (WISC) + C12 (cat.# 30069)  
 Conc.: 200ppb each in 5mL of H<sub>2</sub>O.  
 Oven temp.: 40°C (hold 1 min.) to 100°C @ 5°C/min. to 240°C @ 8°C/min. (hold 8 min.)  
 Inj./det. temp.: 200°C/250°C  
 Carrier gas: helium  
 Flow rate: 10mL/min.  
 Trap: Tenax®, silica gel, charcoal  
 Purge: 12 min. @ 40mL/min.  
 Desorb preheat: 175°C  
 Desorb temp.: 180°C  
 Desorb time: 2 min.  
 Desorb flow: 10mL/min.  
 FID sensitivity: 16 x 10<sup>-11</sup> AFS

FID

1. 3-methylpentane
2. 2,2,4-trimethylpentane (isooctane)
3. benzene
4. toluene
5. ethylbenzene
6. *m*-xylene
7. *o*-xylene
8. 1,2,4-trimethylbenzene
9. dodecane
10. naphthalene

PID

GC\_EV00071

