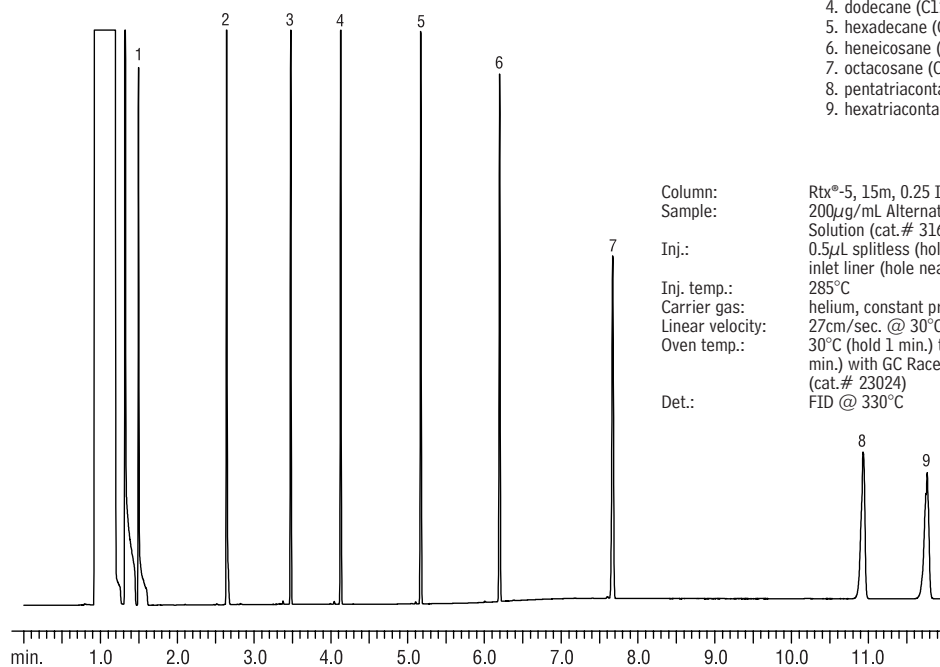


Texas UST: Alternate Boiling Point/Carbon Number Distribution Marker

Rtx®-5



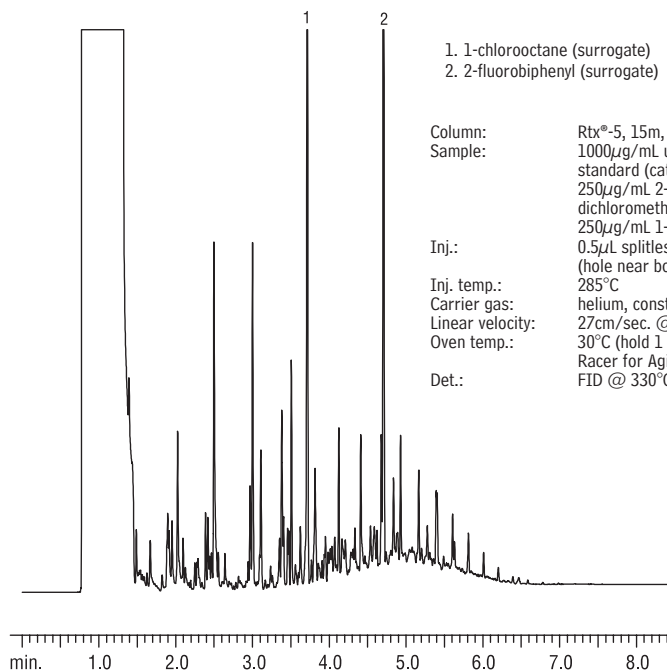
GC_EV00690

1. hexane (C6)
2. octane (C8)
3. decane (C10)
4. dodecane (C12)
5. hexadecane (C16)
6. heneicosane (C21)
7. octacosane (C28)
8. pentatriacontane (C35)
9. hexatriacontane (C36)

Column: Rtx®-5, 15m, 0.25 ID, 0.25 μ m (cat.# 10220)
 Sample: 200 μ g/mL Alternate BP/CN Distribution Marker Stock Solution (cat.# 31639) in pentane
 Inj.: 0.5 μ L splitless (hold 0.2 min.), 4mm drilled Uniliner® inlet liner (hole near bottom) (cat.# 20756)
 Inj. temp.: 285°C
 Carrier gas: helium, constant pressure
 Linear velocity: 27cm/sec. @ 30°C
 Oven temp.: 30°C (hold 1 min.) to 330°C @ 60°C/min. (hold 6 min.) with GC Racer for Agilent 5890 Series II GC (cat.# 23024)
 Det.: FID @ 330°C

Texas UST: diesel/gas composites

Rtx®-5



GC_EV00692

1. 1-chlorooctane (surrogate)
2. 2-fluorobiphenyl (surrogate)

Column: Rtx®-5, 15m, 0.25mm ID, 0.25 μ m (cat.# 10220)
 Sample: 1000 μ g/mL unleaded gas and diesel fuel #2 composites standard (cat.# 31483) in pentane
 250 μ g/mL 2-fluorobiphenyl standard (cat.# 31096) in dichloromethane
 250 μ g/mL 1-chlorooctane (cat.# 30084) in P&T methanol
 Inj.: 0.5 μ L splitless (hold 0.2 min.), 4mm drilled Uniliner® inlet liner (hole near bottom) (cat.# 20756)
 Inj. temp.: 285°C
 Carrier gas: helium, constant pressure
 Linear velocity: 27cm/sec. @ 30°C
 Oven temp.: 30°C (hold 1 min.) to 330°C @ 60°C/min. (hold 6 min.) with GC Racer for Agilent 5890 Series II GC (cat.# 23024)
 Det.: FID @ 330°C