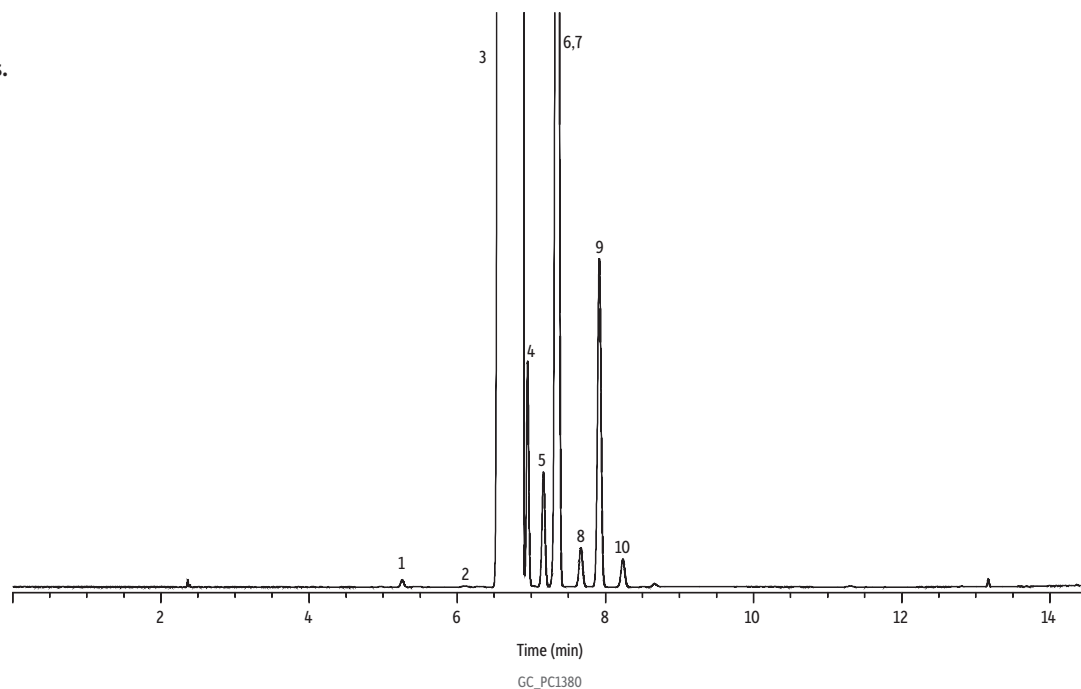


1-Hexene on Rxi-LAO (40 m x 0.18 mm x 1.0 µm)

- Fast analysis.



Peaks	tr (min)
1. 3-Methyl-1-pentene	5.25
2. 3-Methylpentane	6.10
3. 1-Hexene	6.87
4. Hexane	6.94
5. 2-Ethyl-1-butene	7.16
6. <i>cis</i> -3-Hexene	7.34
7. <i>trans</i> -2-Hexene	7.35
8. <i>cis</i> -3-Methyl-2-pentene	7.66
9. <i>cis</i> -2-Hexene	7.91
10. <i>trans</i> -3-Methyl-2-pentene	8.23

Column Rxi-LAO, 40 m, 0.18 mm ID, 1.0 µm (cat.# 40815)
Standard/Sample 1-Hexene
Conc.: Neat solvent
Injection
 Inj. Vol.: 1 µL split (split ratio 100:1)
 Liner: Topaz 4.0 mm ID low pressure drop Precision inlet liner w/wool (cat.# 23309)
 Inj. Temp.: 250 °C
 Split Vent Flow Rate: 178 mL/min
Oven
 Oven Temp.: 35 °C (hold 11.85 min) to 160 °C at 50 °C/min (hold 12 min)
Carrier Gas He, constant flow
 Linear Velocity: 39.19 cm/sec @ 35 °C
Detector FID @ 300 °C
 Make-up Gas Flow Rate: 45 mL/min
 Make-up Gas Type: N₂
 Hydrogen flow: 40 mL/min
 Air flow: 400 mL/min
 Data Rate: 20 Hz
Instrument Agilent 7890B GC
Sample Preparation The sample was pipetted into a 2 mL vial (cat.# 21142) and capped with a short screw cap (cat.# 24498).

- Notes**
- Compounds were tentatively identified using a mass spectrometer and method translation.
 - A 208V instrument was used.
 - Benzene is not present in the sample, but if it were, it would elute at 12.36 minutes under these conditions.