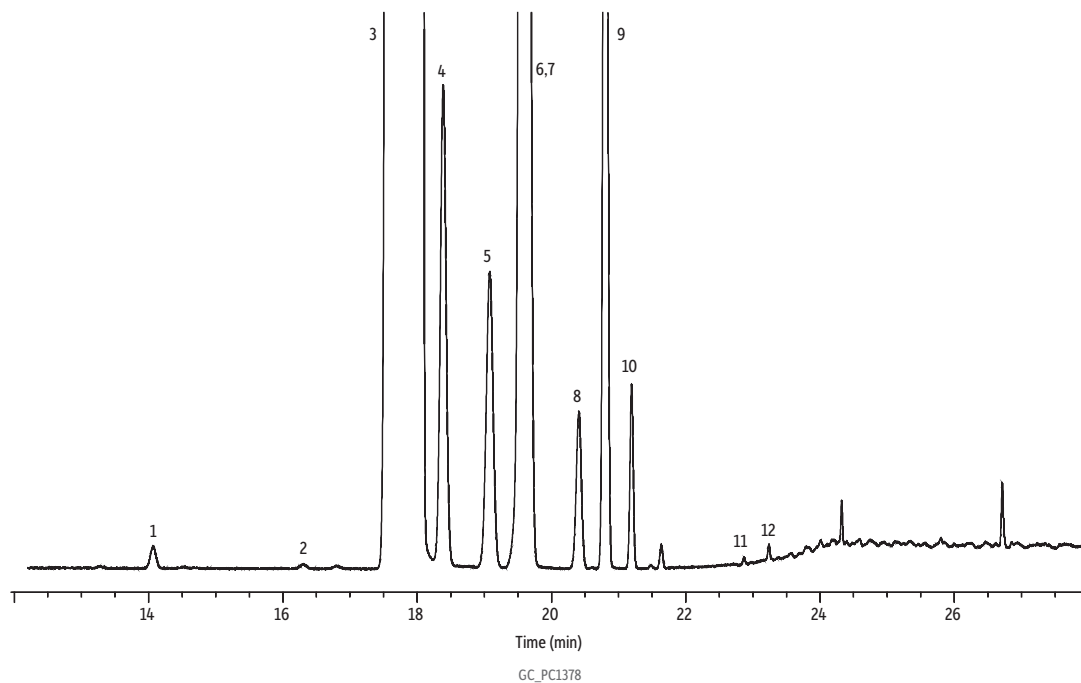


# 1-Hexene on Rxi-LAO (60 m x 0.25 mm x 1.4 µm)



Peaks	tr (min)
1. 3-Methyl-1-pentene	14.06
2. 3-Methylpentane	16.31
3. 1-Hexene	18.04
4. Hexane	18.39
5. 2-Ethyl-1-butene	19.08
6. <i>cis</i> -3-Hexene	19.61
7. <i>trans</i> -2-Hexene	19.61
8. <i>cis</i> -3-Methyl-2-pentene	20.41
9. <i>cis</i> -2-Hexene	20.81
10. <i>trans</i> -3-Methyl-2-pentene	21.19
11. Methyl-cyclopentene	22.87
12. Cyclohexene	23.24

**Column** Rxi-LAO, 60 m, 0.25 mm ID, 1.4 µm (cat.# 13876)

**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: 125 mL/min

**Oven**

Oven Temp.: 35 °C (hold 20 min) to 160 °C at 30 °C/min (hold 20 min)

**Carrier Gas** He, constant flow  
 Linear Velocity: 23 cm/sec @ 35 °C

**Detector** FID @ 300 °C

Make-up Gas Flow Rate: 45 mL/min

Make-up Gas Type: N<sub>2</sub>

Hydrogen flow: 40 mL/min

Air flow: 450 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 23.73 minutes under these conditions.