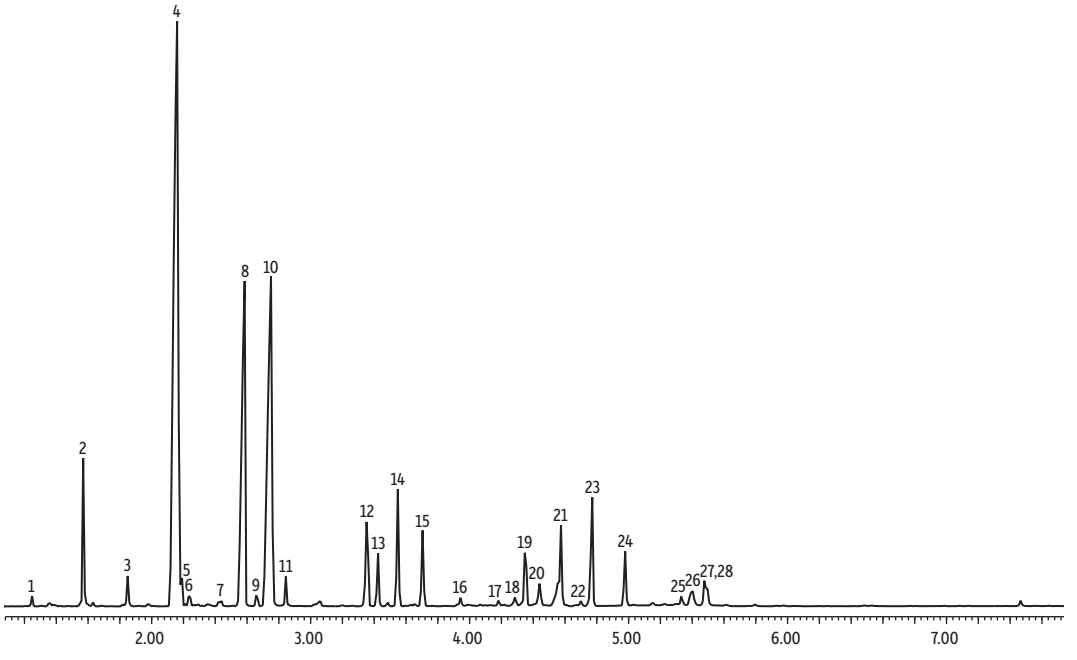
Citronella Oil on Rxi-5Sil MS (20 m, 0.18 mm ID, 0.18 µm)



Peaks	t_R (min)	Peaks	t_R (min)
1. α-Pinene	1.248	15. β-Elemene	3.704
2. D-Limonene	1.569	16. Caryophyllene	3.943
3. Linalool	1.849	17. α-Caryophyllene	4.181
4. Citronellal	2.160	18. α-Amorphene	4.285
5. Isopulegol isomer 1	2.191	19. Germacrene D	4.347
6. Isopulegol isomer 2	2.233	20. α-Muurolene	4.440
7. α-Terpineol	2.585	21. δ-Cadinene	4.575
8. β-Citronellol	2.658	22. α-Cadinene	4.699
9. Z-Citral	2.751	23. Elemol	4.772
10. Geraniol	2.844	24. Germacrene D	4.979
11. E-Citral	3.352	25. γ-Eudesmol	5.331
12. Citronellyl propionate	3.424	26. α-Cadinol	5.404
13. Eugenol	3.487	27. α-Eudesmol	5.476
14. Geranyl acetate	3.549	28. β-Eudesmol	5.497

Column Rxi-5Sil MS, 20 m, 0.18 mm ID, 0.18 µm (cat.# 43602)
Sample Citronella oil
Diluent: Acetone
Conc.: 5%
Injection
Inj. Vol.: 1 µL split (split ratio 100:1)
Liner: Topaz 4.0 mm ID Precision inlet liner w/wool (cat.# 23305)
Inj. Temp.: 250 °C
Oven
Oven Temp.: 100 °C (hold 0.25 min) to 320 °C at 17.5 °C/min (hold 10 min)
Carrier Gas He, constant flow
Flow Rate: 1.01 mL/min
Detector MS
Mode: Scan
Scan Program:

Group	Start Time (min)	Scan Range (amu)	Scan Rate (scans/sec)
1	1.00	35-500	5

Transfer Line Temp.: 300 °C
Analyzer Type: Quadrupole
Source Type: Inert
Source Temp.: 230 °C
Quad Temp.: 150 °C
Instrument Agilent 7890A GC & 5975C MSD
Notes Peaks were identified using the NIST MS EI spectra library (2005).