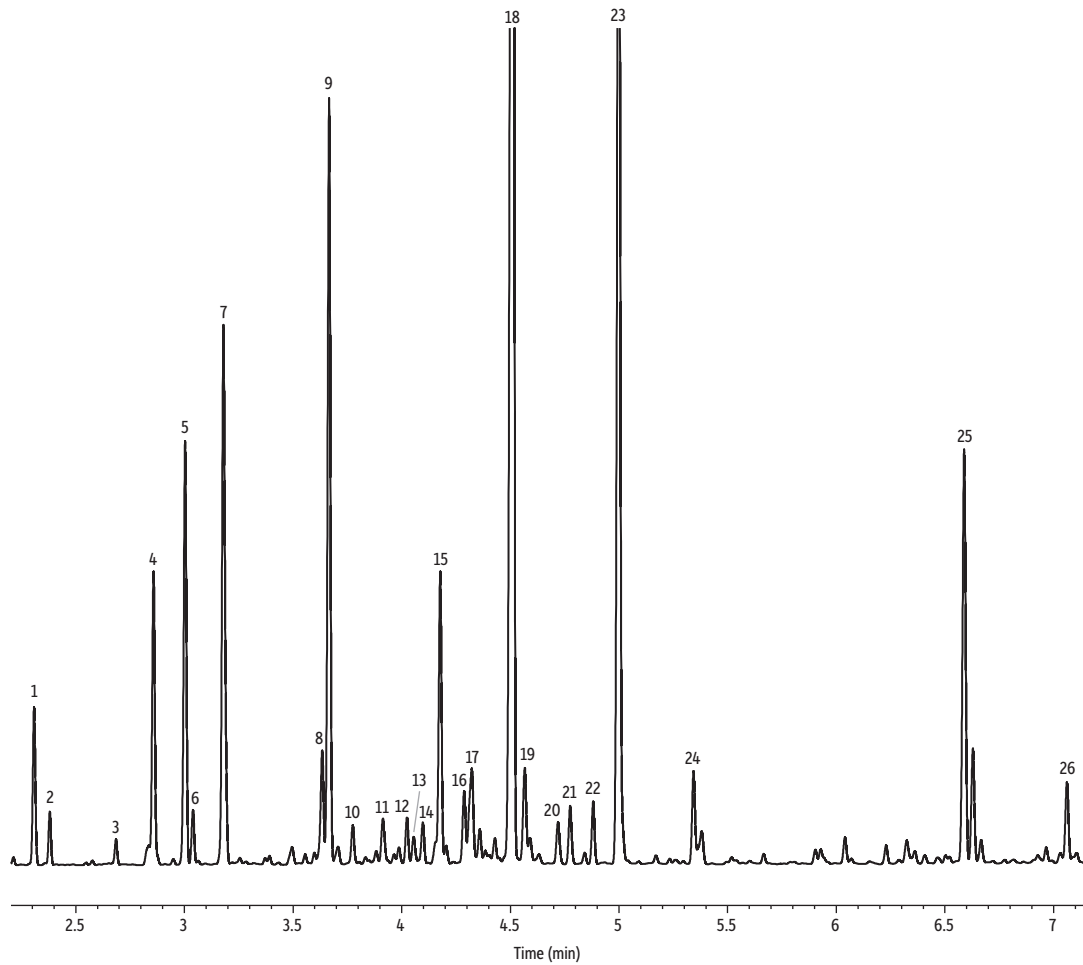


# Geranium Oil on Rtx-Wax



GC\_FF1305

Peaks	tr (min)	Peaks	tr (min)
1. Rose oxide isomer 1	2.309	14. $\alpha$ -Terpineol	4.096
2. Rose oxide isomer 2	2.381	15. Geranyl formate	4.176
3. Linalool oxide	2.686	16. Citronellyl propionate	4.287
4. Menthone	2.859	17. (E)-Citral	4.321
5. Isomenthone	3.004	18. Citronellol	4.510
6. $\alpha$ -Cubebene	3.040	19. $\delta$ -Cadinene	4.565
7. Linalool	3.181	20. Nerol	4.718
8. Caryophyllene	3.635	21. Citronellyl butyrate	4.774
9. Citronellyl formate	3.667	22. Neryl acetate	4.880
10. $\gamma$ -Muurolene	3.776	23. Geraniol	4.998
11. <i>cis</i> -2,6-Dimethyl-2,6-octadiene	3.914	24. Geranyl butyrate	5.342
12. Z-Citral	4.025	25. $\gamma$ -Eudesmol	6.587
13. $\alpha$ -Caryophyllene	4.056	26. Phenylethyl tiglate	7.060

**Column** Rtx-Wax, 30 m, 0.32 mm ID, 0.25  $\mu$ m (cat.# 12424)  
**Sample** Geranium oil  
**Diluent:** Acetone  
**Conc.:** 5%  
**Injection**  
**Inj. Vol.:** 1  $\mu$ L split (split ratio 100:1)  
**Liner:** Topaz 4.0 mm ID Precision inlet liner w/wool (cat.# 23305)  
**Inj. Temp.:** 230  $^{\circ}$ C  
**Oven**  
**Oven Temp.:** 100  $^{\circ}$ C (hold 0.5 min) to 250  $^{\circ}$ C at 16  $^{\circ}$ C/min (hold 10 min)  
**Carrier Gas** H<sub>2</sub>, constant flow  
**Flow Rate:** 2 mL/min  
**Detector** FID @ 250  $^{\circ}$ C  
**Constant Column +**  
**Constant Make-up:** 52 mL/min  
**Make-up Gas Type:** N<sub>2</sub>  
**Hydrogen flow:** 40 mL/min  
**Air flow:** 400 mL/min  
**Data Rate:** 50 Hz  
**Instrument** Agilent 7890A GC  
**Notes** All peaks were identified using the NIST MS EI spectra library (2005).