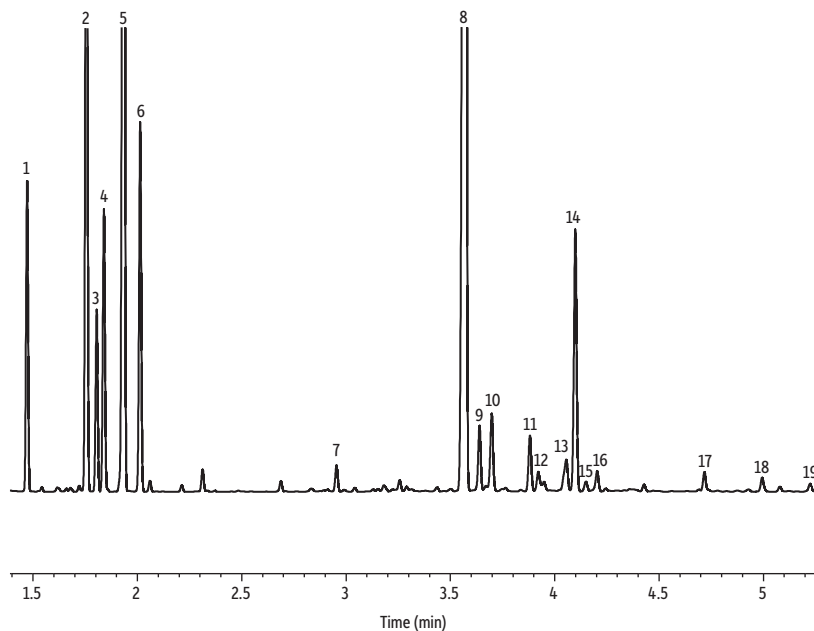


# Tea Tree Oil on Rtx-Wax



GC\_FF1304

Peaks	tr (min)	Peaks	tr (min)
1. $\alpha$ -Pinene	1.473	10. Aromadendrene	3.697
2. Terpinolene	1.757	11. Pinocarveol	3.880
3. D-Limonene	1.806	12. Alloaromadendrene	3.920
4. Eucalyptol	1.841	13. $\alpha$ -Caryophyllene	4.054
5. $\gamma$ -Terpinene	1.935	14. $\alpha$ -Terpineol	4.098
6. <i>p</i> -Cymene	2.014	15. Bornyl acetate	4.148
7. $\gamma$ -Elemene	2.953	16. $\gamma$ -Elemene	4.202
8. Terpinen-4-ol	3.570	17. Nerol	4.716
9. Caryophyllene	3.639	18. Geraniol	4.993
		19. Safrole	5.223

**Column** Rtx-Wax, 30 m, 0.32 mm ID, 0.25  $\mu$ m (cat.# 12424)  
**Sample** Tea tree 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 °C  
**Oven**  
 Oven Temp.: 100 °C (hold 0.5 min) to 250 °C at 16 °C/min (hold 10 min)  
**Carrier Gas** Hz, constant flow  
**Flow Rate:** 2 mL/min  
**Detector** FID @ 250 °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).