

Sample Information

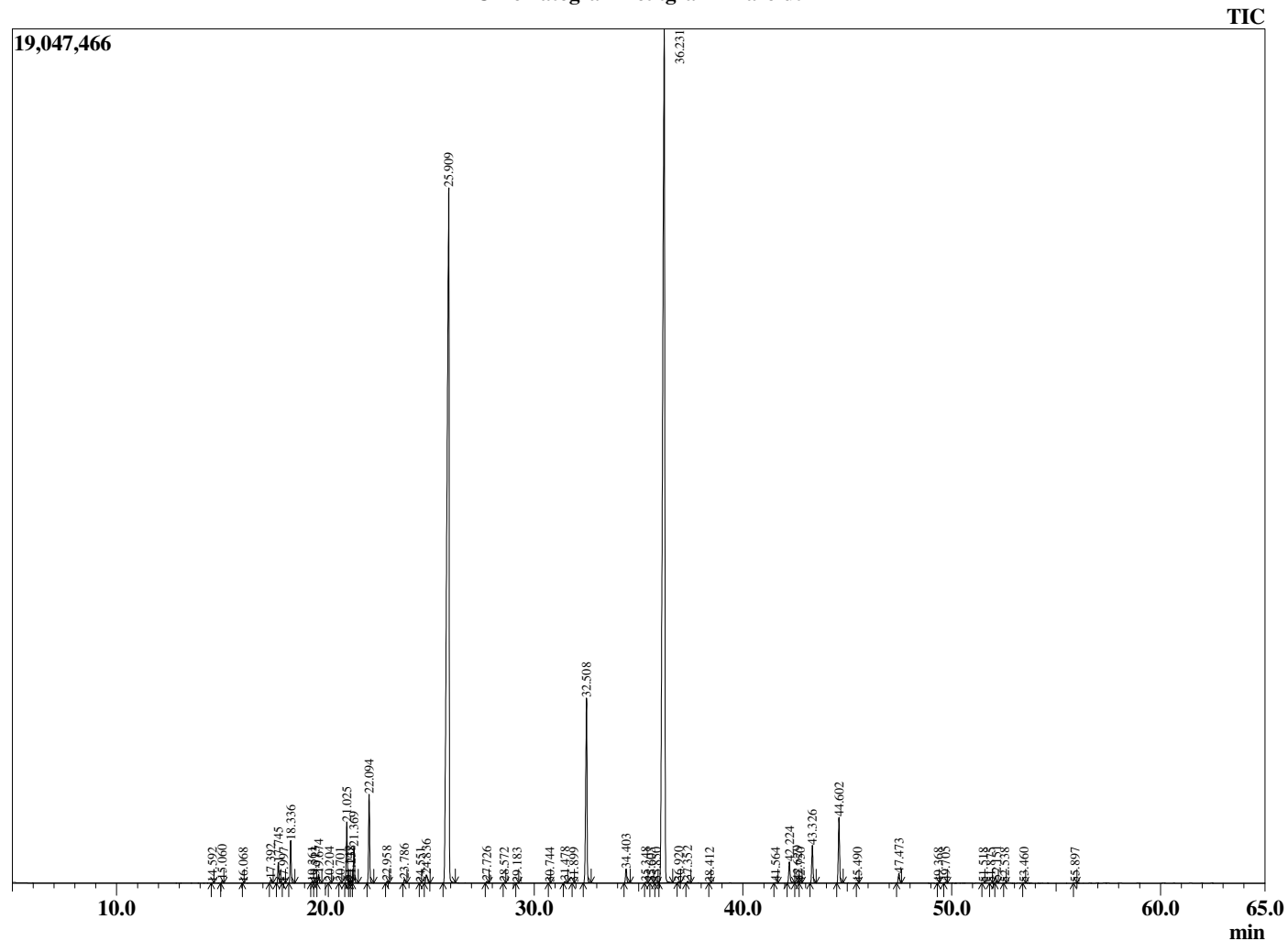
Analyzed by : Dr. Robert S. Pappas
 Analyzed : 5/8/2020 4:06:59 AM
 Sample Type : Essential Oil
 Sample Name : Petitgrain - Barefut
 Sample ID : 0104
 Injection Volume : 0.10
 Instrument ID: : GC-2



Peak Report TIC

R.Time	Name	Area%
14.592	alpha-Thujene	0.01
15.060	alpha-Pinene	0.07
16.068	Unidentified	0.00
17.392	Sabinene	0.10
17.745	beta-Pinene	0.51
17.997	6-Methyl hept-5-en-2-one	0.01
18.336	Myrcene	1.06
19.361	Pseudolimonene	0.03
19.513	alpha-Phellandrene	0.02
19.674	delta-3-Carene	0.23
20.204	alpha-Terpinene	0.02
20.701	para-Cymene	0.02
21.025	Limonene	1.58
21.147	beta-Phellandrene	0.04
21.238	1,8-cineole	0.05
21.369	cis-beta-Ocimene	0.93
22.094	trans-beta-Ocimene	2.34
22.958	gamma-Terpinene	0.05
23.786	cis-Linalool oxide (furanoid)	0.11
24.551	Isoterpinolene	0.01
24.836	Terpinolene	0.35
25.909	Linalool	36.88
27.726	allo-Ocimene	0.04
28.572	neo-allo-Ocimene	0.01
29.183	Camphor	0.01
30.744	delta-Terpineol	0.01
31.478	Terpinen-4-ol	0.05
31.899	Unidentified	0.01
32.508	alpha-Terpineol	5.95
34.403	Nerol	0.44
35.348	Neral	0.03
35.603	Unidentified	0.02
35.850	Unidentified	0.02
36.231	Linalyl acetate	44.48
36.920	Unidentified	0.03
37.352	Geranial	0.05
38.412	Unidentified	0.00
41.564	Linalyl propionate	0.02
42.224	Methyl anthranilate	0.71
42.629	alpha-Terpinyl acetate	0.07
42.750	Citronellyl acetate	0.01
43.326	Neryl acetate	1.12
44.602	Geranyl acetate	1.98
45.490	beta-Elementene	0.01
47.473	beta-Caryophyllene	0.32
49.368	trans-beta-Farnesene	0.00
49.705	alpha-Humulene	0.03
51.518	Unidentified	0.01
51.875	Viridiflorene (Ledene)	0.01
52.151	Bicyclogermacrene	0.07
52.538	(E,E)-alpha-Farnesene	0.01
53.460	delta-Cadinene	0.01
55.897	trans-Nerolidol	0.01
		100.00

Chromatogram Petitgrain - Barefut



Comments:

The analysis of this Petitgrain batch sample meets the expected chemical profile for authentic essential oil of *Citrus aurantium*. No contamination or adulteration was detected. The results provided in this GCMS quality analysis reflect the chemical composition of the oil and lot referenced above on the date of analysis.