

Sample Information

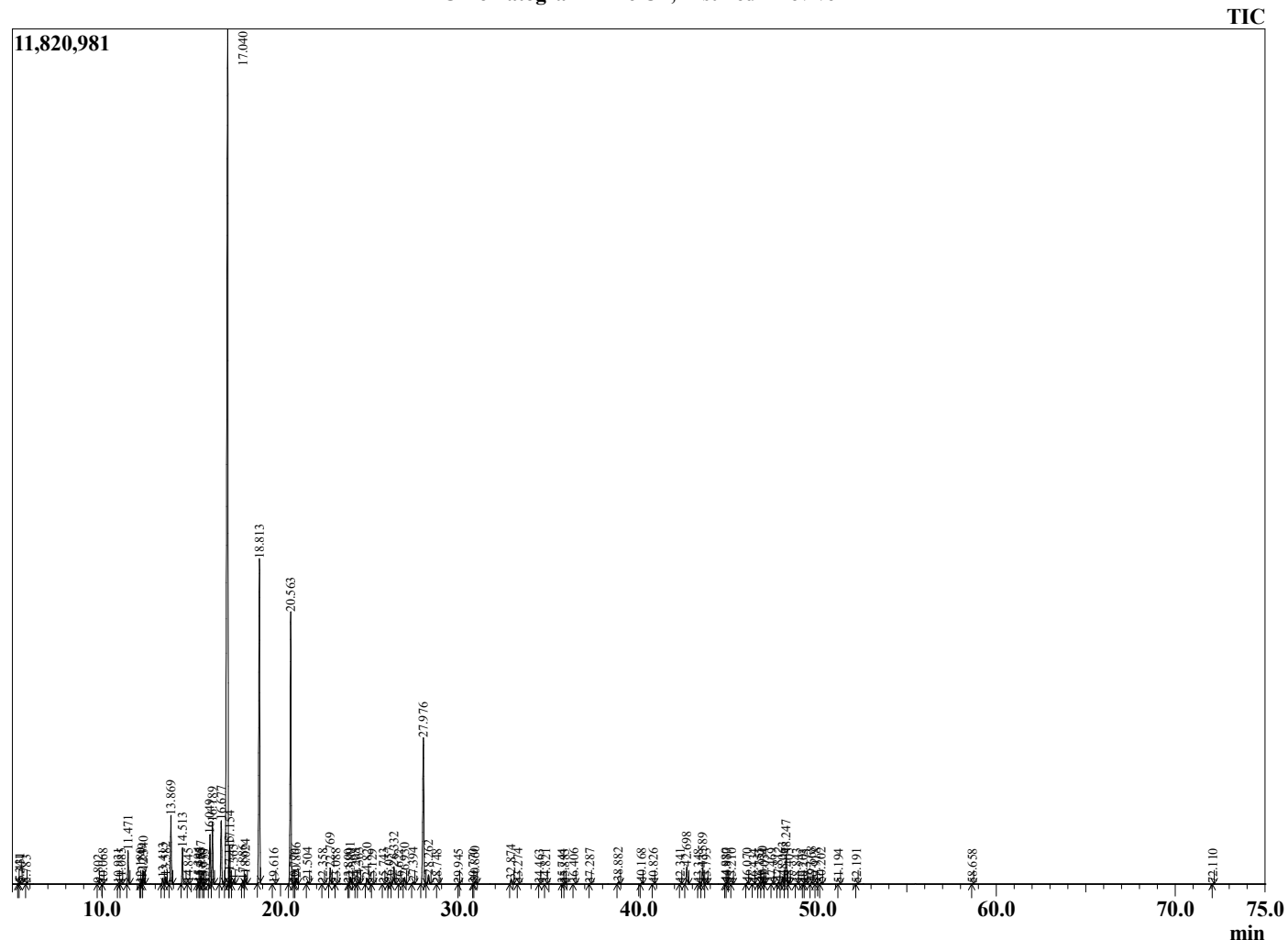
Analyzed by : Dr. Robert S. Pappas
 Analyzed : 2/24/2023 1:05:36 PM
 Sample Type : Essential Oil
 Sample Name : Lime Oil, Distilled - Revive
 Sample ID : 3W
 Injection Volume : 0.10
 Instrument ID: : GC-2



Peak Report TIC

R.Time	Name	Area%
5.341	Limediene isomer	0.01
5.431	Limediene isomer	0.06
5.783	Limediene isomer	0.01
9.802	Nonane	0.02
10.068	Bornylene	0.01
10.931	Tricyclene	0.02
11.085	alpha-Thujene	0.02
11.471	alpha-Pinene	1.05
12.180	Unidentified	0.01
12.249	alpha-Fenchene	0.16
12.340	Camphene	0.42
13.413	Bois de Rose oxide	0.21
13.582	Sabinene	0.24
13.869	beta-Pinene	2.35
14.513	Myrcene	1.29
14.845	2-Carene	0.03
15.394	Pseudolimonene	0.05
15.465	Unidentified	0.03
15.537	alpha-Phellandrene	0.30
15.670	delta-3-Carene	0.01
15.755	alpha-Terpinene	0.01
16.049	1,4-Cineole	1.83
16.189	alpha-Terpinene	2.27
16.677	para-Cymene	2.59
17.040	Limonene	46.05
17.115	beta-Phellandrene	0.22
17.154	1,8-Cineole	1.21
17.365	cis-beta-Ocimene	0.14
17.886	2,2-Dimethyl-5-(1-methylpropenyl)-tetrahydr	0.15
18.024	trans-beta-Ocimene	0.37
18.813	gamma-Terpinene	13.20
19.616	Isolimonene	0.04
20.563	Terpinolene	10.90
20.770	Fenchone	0.01
20.866	para-Cymenene	0.22
21.504	Linalool	0.10
22.358	1,3,8-para-Menthatriene	0.02
22.769	endo-Fenchol	0.63
23.088	exo-Fenchol	0.02
23.800	Unidentified	0.01
23.891	Terpin-3-en-1-ol	0.28
24.208	Unidentified	0.02
24.363	Unidentified	0.09
24.820	cis-beta-Terpineol	0.24
25.129	Unidentified	0.01
25.743	Isoborneol	0.03
26.057	trans-beta-Terpineol	0.05
26.332	Borneol	0.75
26.622	Unidentified	0.01
26.930	Terpinen-4-ol	0.27
27.394	para-Cymen-8-ol	0.07
27.976	alpha-Terpineol	6.63
28.262	gamma-Terpineol	0.40
28.748	Decanal	0.01
29.945	Unidentified	0.01
30.770	Unidentified	0.01
30.860	Neral	0.11
32.874	Geranial	0.19
33.274	cis-Ascaridol glycol	0.02
34.463	trans-Ascaridol glycol	0.01
34.821	Unidentified	0.03
35.744	Unidentified	0.01

Chromatogram Lime Oil, Distilled - Revive



Comments:

The analysis of this Lime, Distilled batch sample meets the expected chemical profile for authentic essential oil of *Citrus aurantifolia*. 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.

R.Time	Name	Area%
35.883	Unidentified	0.01
36.406	Unidentified	0.03
37.287	delta-Elemene	0.03
38.882	Neryl acetate	0.09
40.168	Geranyl acetate	0.05
40.826	beta-Elemene	0.02
42.341	cis-alpha-Bergamotene	0.03
42.698	beta-Caryophyllene	0.82
43.348	gamma-Elemene	0.01
43.589	trans-alpha-Bergamotene	0.77
43.793	Unidentified	0.02
44.880	trans-beta-Farnesene	0.03
44.937	alpha-Humulene	0.05
45.210	beta-Santalene	0.02
46.070	Selina-4,11-diene	0.05
46.434	Unidentified	0.02
46.755	Unidentified	0.06
46.930	delta-Selinene	0.13
47.034	beta-Selinene	0.02
47.469	alpha-Selinene	0.04
47.812	cis-alpha-Bisabolene	0.09
48.063	(E,E)-alpha-Farnesene	0.34
48.247	beta-Bisabolene	1.41
48.405	cis-gamma-Bisabolene	0.04
48.843	delta-Cadinene	0.03
49.203	Unidentified	0.01
49.375	trans-gamma-Bisabolene	0.01
49.668	Unidentified	0.11
49.918	Selina-4(15),7(11)-diene	0.02
50.202	Selina-3,7(11)-diene	0.07
51.194	Unidentified	0.01
52.191	Caryophyllene alcohol	0.02
58.658	alpha-Bisabolol	0.01
72.110	meta-Camphorene	0.01
		100.00