

Sample Information

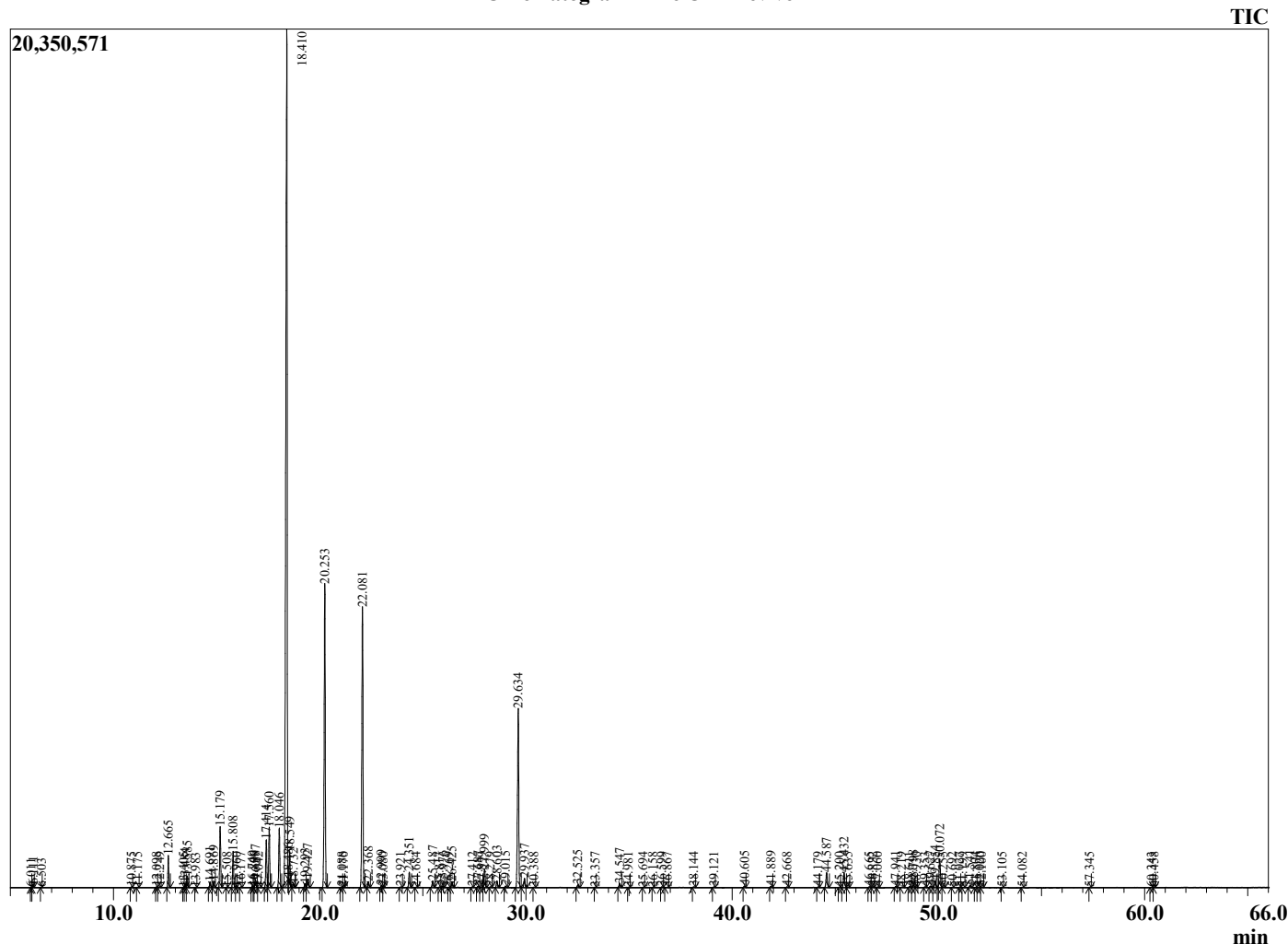
Analyzed by : Dr. Robert S. Pappas
 Analyzed : 10/25/2022 11:01:29 AM
 Sample Type : Essential Oil
 Sample Name : Lime Oil - Revive
 Sample ID : 4B
 Injection Volume : 0.10
 Instrument ID: : GC-3



Peak Report TIC

R.Time	Name	Area%
6.011	Limedien isomer	0.01
6.111	Limedien	0.06
6.503	Limedien isomer	0.01
10.875	Nonane	0.02
11.175	Bornylene	0.01
12.098	Tricyclene	0.02
12.249	alpha-Thujene	0.03
12.665	alpha-Pinene	1.05
13.405	Unidentified	0.01
13.484	alpha-Fenchene	0.15
13.585	Camphene	0.40
13.983	Unidentified	0.01
14.691	Bois de Rose oxide	0.21
14.869	Sabinene	0.23
15.179	beta-Pinene	2.21
15.508	Unidentified	0.01
15.808	Myrcene	1.31
15.960	Unidentified	0.01
16.177	3-Methylene-1,5,5,5-trimethylcyclohexene	0.03
16.740	Pseudolimonene	0.04
16.806	Unidentified	0.03
16.887	alpha-Phellandrene	0.30
17.042	delta-3-Carene	0.02
17.414	1,4-Cineole	1.83
17.560	alpha-Terpinene	2.31
18.046	para-Cymene	2.40
18.410	Limonene	44.34
18.486	beta-Phellandrene	0.04
18.549	1,8-Cineole	1.01
18.732	cis-beta-Ocimene	0.15
19.293	2,2-Dimethyl-5-(1-methyl-1-propenyl)-tetrahy	0.15
19.427	trans-beta-Ocimene	0.38
20.253	gamma-Terpinene	12.61
21.088	para-Mentha-3,8-diene	0.03
21.170	Unidentified	0.01
22.081	Terpinolene	11.99
22.368	para-Cymenene	0.23
22.999	Linalool	0.09
23.080	Undecane	0.02
23.921	1,3,8-para-Menthatriene	0.02
24.351	alpha-Fenchol	0.67
24.684	exo-Fenchol	0.02
25.487	Terpin-3-en-1-ol	0.30
25.813	Menthatriene analogue	0.02
25.976	Epoxyterpinolene	0.06
26.269	Camphor	0.02
26.425	trans-beta-Terpineol	0.25
27.412	Isoborneol	0.03
27.687	cis-beta-Terpineol	0.06
27.879	delta-Terpineol	0.04
27.999	Borneol	0.78
28.279	Unidentified	0.02
28.603	Terpinen-4-ol	0.30
29.015	para-Cymen-8-ol	0.06
29.634	alpha-Terpineol	8.45
29.937	gamma-Terpineol	0.42
30.388	Decanal	0.02
32.525	Neral	0.12
33.357	Geraniol	0.01
34.547	Geranial	0.18
34.981	cis-Ascidol glycol	0.01
35.694	Isobornyl acetate	0.01

Chromatogram Lime Oil - 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%
36.158	trans-Ascidol glycol	0.01
36.599	Unidentified	0.03
36.867	Unidentified	0.02
38.144	Unidentified	0.03
39.121	delta-Elemene	0.03
40.605	Neryl acetate	0.07
41.889	Geranyl acetate	0.04
42.668	beta-Elemene	0.03
44.179	cis-alpha-Bergamotene	0.03
44.587	beta-Caryophyllene	0.73
45.200	gamma-Elemene	0.01
45.432	trans-alpha-Bergamotene	0.73
45.635	Unidentified	0.02
46.665	trans-beta-Farnesene	0.04
46.832	alpha-Humulene	0.04
47.060	beta-Santalene	0.02
47.941	Selina-4,11-diene	0.05
48.219	gamma-Curcumene	0.03
48.611	Unidentified	0.06
48.798	delta-Selinene	0.12
48.930	beta-Selinene	0.02
49.353	alpha-Selinene	0.03
49.627	cis-alpha-Bisabolene	0.07
49.854	trans,trans-alpha-Farnesene	0.33
50.072	beta-Bisabolene	1.40
50.255	cis-gamma-Bisabolene	0.04
50.692	delta-Cadinene	0.02
51.027	Unidentified	0.01
51.199	trans-gamma-Bisabolene	0.01
51.541	alpha-Maaliene	0.11
51.804	Selina-4(15),7(11)-diene	0.02
52.020	trans-alpha-Bisabolene	0.03
52.100	Selina-3,7(11)-diene	0.03
53.105	Germacrene B	0.01
54.082	Caryolan-8-ol	0.02
57.345	gamma-Eudesmol	0.01
60.343	epi-alpha-Bisabolol	0.02
60.458	alpha-Bisabolol	0.01
		100.00