

Sample Information

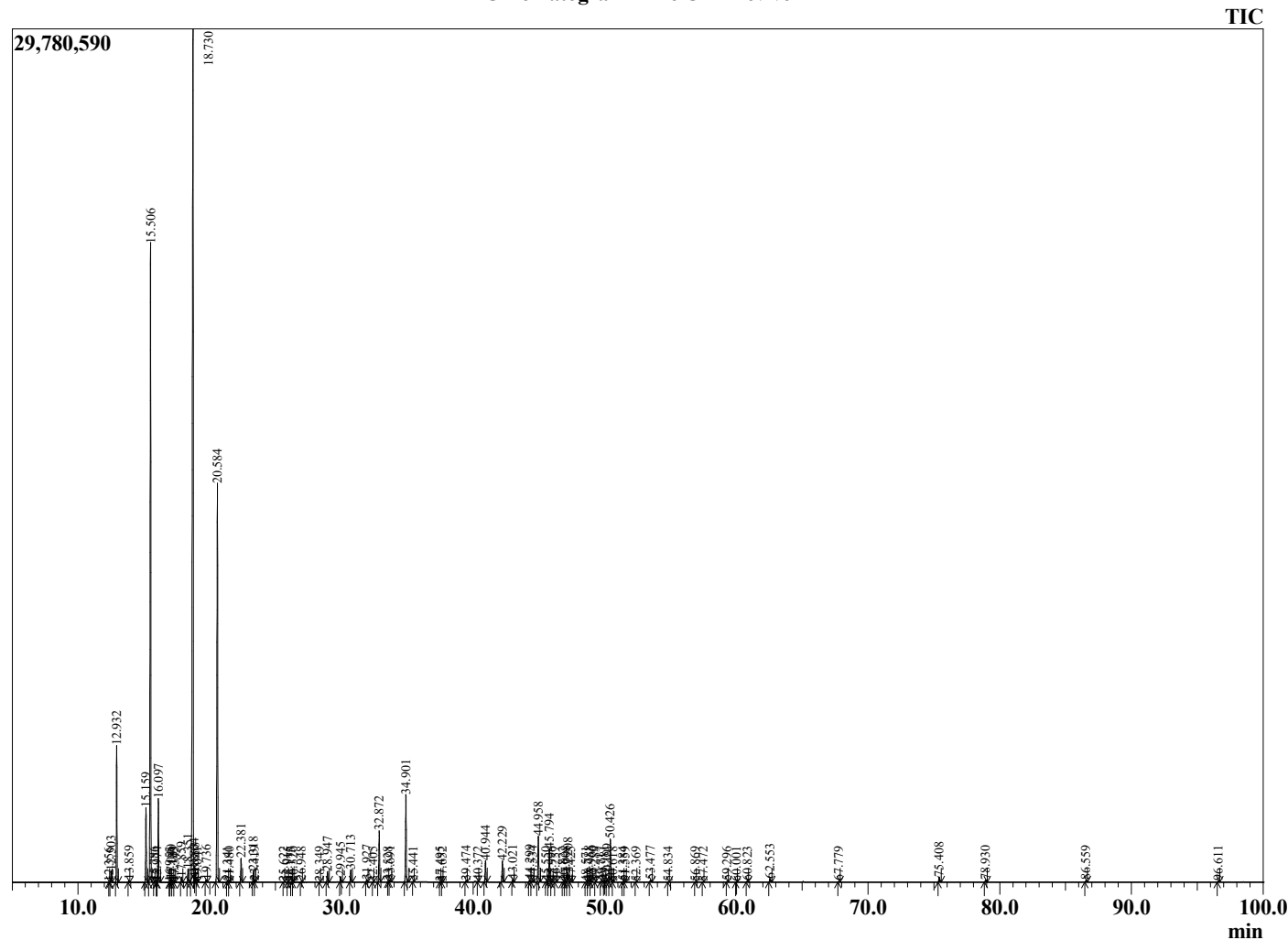
Analyzed by : Dr. Robert S. Pappas
 Analyzed : 3/30/2022 7:17:00 PM
 Sample Type : Essential Oil
 Sample Name : Lime Oil - Revive
 Sample ID : 8N
 Injection Volume : 0.10
 Instrument ID: : GC-3



Peak Report TIC

R.Time	Name	Area%
12.356	Tricyclene	0.00
12.503	alpha-Thujene	0.32
12.932	alpha-Pinene	3.88
13.859	Camphene	0.05
15.159	Sabinene	2.30
15.506	beta-Pinene	21.62
15.786	Unidentified	0.02
15.974	para-Menth-3-ene	0.01
16.097	Myrcene	2.48
16.955	Octanal	0.01
17.040	Pseudolimonene	0.09
17.189	alpha-Phellandrene	0.03
17.343	delta-3-Carene	0.01
17.859	alpha-Terpinene	0.16
18.351	para-Cymene	0.44
18.730	Limonene	38.12
18.804	beta-Phellandrene	0.03
18.868	1,8-Cineole	0.04
19.041	cis-beta-Ocimene	0.03
19.736	trans-beta-Ocimene	0.08
20.584	gamma-Terpinene	14.56
21.341	trans-Sabinene hydrate	0.04
21.480	Pinol	0.01
22.381	Terpinolene	0.78
23.318	Linalool	0.36
23.419	cis-Sabinene hydrate	0.04
25.622	cis-Limonene oxide	0.01
25.915	trans-Limonene oxide	0.00
26.175	trans-Pinocarveol	0.00
26.320	Unidentified	0.01
26.948	Citronellal	0.02
28.349	Borneol	0.01
28.947	Terpinen-4-ol	0.38
29.945	alpha-Terpineol	0.20
30.713	Decanal	0.45
31.927	Nerol	0.08
32.405	Unidentified	0.01
32.872	Neral	1.82
33.528	Unidentified	0.00
33.691	Geraniol	0.06
34.901	Geranial	3.16
35.441	Perillaldehyde	0.01
37.495	Unidentified	0.01
37.652	Undecanal	0.01
39.474	delta-Elementene	0.05
40.372	Citronellyl acetate	0.00
40.944	Neryl acetate	0.77
42.229	Geranyl acetate	0.76
43.021	beta-Elementene	0.09
44.299	Dodecanal	0.08
44.534	cis-alpha-Bergamotene	0.04
44.958	beta-Caryophyllene	1.81
45.550	gamma-Elementene	0.01
45.794	trans-alpha-Bergamotene	1.27
45.996	Unidentified	0.03
46.257	cis-beta-Farnesene	0.02
46.822	Unidentified	0.01
47.008	trans-beta-Farnesene	0.06
47.208	alpha-Humulene	0.39
47.425	epi-beta-Santalene	0.03
48.571	gamma-Curcumene	0.01
48.788	Germaacrene D	0.05

Chromatogram Lime Oil - Revive



Comments:

The analysis of this Lime, Expressed 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 GC/MS quality analysis reflect the chemical composition of the oil and lot referenced above on the date of analysis.

R.Time	Name	Area%
48.966	trans-beta-Bergamotene	0.07
49.289	beta-Selinene	0.01
49.717	alpha-Selinene	0.01
49.981	cis-alpha-Bisabolene	0.07
50.199	(E,E)-alpha-Farnesene	0.13
50.426	beta-Bisabolene	1.68
50.618	Unidentified	0.01
51.384	beta-Sesquiphellandrene	0.02
51.559	trans-gamma-Bisabolene	0.02
52.369	trans-alpha-Bisabolene	0.02
53.477	Germacrene B	0.07
54.834	Caryophyllene oxide	0.01
56.869	Unidentified	0.01
57.472	Unidentified	0.01
59.296	Unidentified	0.02
60.001	Unidentified	0.02
60.823	alpha-Bisabolol	0.03
62.553	Hernianin	0.14
67.779	Hexadecanal	0.03
75.408	Citropten	0.20
78.930	Isobergaptene	0.08
86.559	Isopimpinellin	0.07
96.611	Unidentified furanocoumarin	0.06
		100.00