

Sample Information

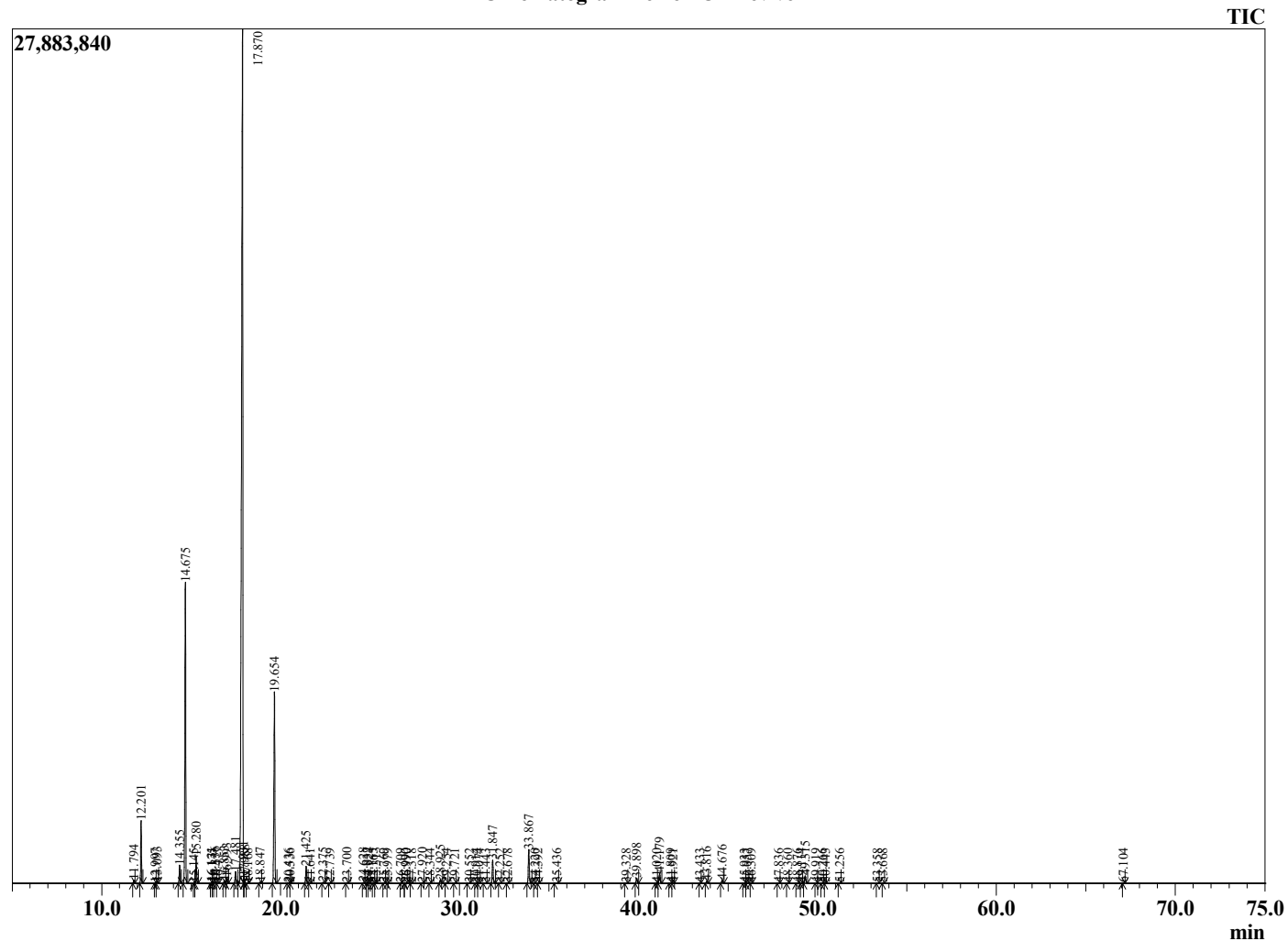
Analyzed by : Dr. Robert S. Pappas
 Analyzed : 3/8/2023 3:04:01 AM
 Sample Type : Essential Oil
 Sample Name : Lemon Oil Revive
 Sample ID : 7F
 Injection Volume : 0.10
 Instrument ID: : GC-3



Peak Report TIC

R.Time	Name	Area%
4.527	Heptane	0.00
11.794	alpha-Thujene	0.13
12.201	alpha-Pinene	2.51
12.997	alpha-Fenchene	0.01
13.093	Camphene	0.07
14.355	Sabinene	0.81
14.675	beta-Pinene	14.10
15.145	Unidentified	0.00
15.280	Myrcene	1.17
16.131	Octanal	0.06
16.175	Unidentified	0.02
16.336	alpha-Phellandrene	0.07
16.477	delta-3-Carene	0.03
16.853	1,4-Cineole	0.13
16.993	alpha-Terpinene	0.28
17.481	para-Cymene	0.66
17.870	Limonene	62.96
17.931	beta-Phellandrene	0.20
17.988	1,8-Cineole	0.17
18.168	cis-beta-Ocimene	0.02
18.847	trans-beta-Ocimene	0.06
19.654	gamma-Terpinene	9.96
20.436	cis-Linalool oxide (furanoid)	0.03
20.536	Pinol	0.01
21.425	Terpinolene	0.86
21.641	Fenchone	0.01
22.375	Linalool	0.06
22.739	Nonanal	0.02
23.700	endo-Fenchol	0.04
24.628	cis-Limonene oxide	0.04
24.837	Terpin-3-en-1-ol	0.03
24.924	trans-Limonene oxide	0.03
25.165	trans-Pinocarveol	0.00
25.313	Epoxyterpinolene	0.03
25.769	cis-beta-Terpineol	0.02
25.979	Citronellal	0.01
26.709	Unidentified	0.01
26.990	Unidentified	0.01
26.990	Unidentified	0.01
27.318	Borneol	0.01
27.920	Terpinen-4-ol	0.04
28.344	para-Cymen-8-ol	0.01
28.925	alpha-Terpineol	0.19
29.254	gamma-Terpineol	0.02
29.721	Decanal	0.01
30.552	trans-Carveol	0.01
30.914	Nerol	0.01
31.074	Citronellol	0.02
31.443	Unidentified	0.01
31.847	Neral	1.28
32.252	Carvone	0.01
32.678	Geraniol	0.02
33.867	Geranial	1.89
34.220	Unidentified	0.01
34.392	Perillaldehyde	0.00
35.436	Unidentified	0.01
39.328	Citronellyl acetate	0.01
39.898	Neryl acetate	0.30
41.020	alpha-Copaene	0.01
41.179	Geranyl acetate	0.59
41.809	beta-Cubebene	0.01
41.921	beta-Elementene	0.01

Chromatogram Lemon Oil Revive



Comments:

The analysis of this Lemon batch sample meets the expected chemical profile for authentic essential oil of *Citrus limon*. 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%
43.433	cis-alpha-Bergamotene	0.01
43.816	beta-Caryophyllene	0.13
44.676	trans-alpha-Bergamotene	0.20
45.933	trans-beta-Farnesene	0.01
46.057	alpha-Humulene	0.01
46.309	beta-Santalene	0.01
47.836	trans-beta-Bergamotene	0.01
48.360	Valencene	0.00
48.876	(Z)-alpha-Bisabolene	0.01
49.114	trans,trans-alpha-Farnesene	0.00
49.315	beta-Bisabolene	0.45
49.919	delta-Cadinene	0.01
50.266	beta-Sesquiphellandrene	0.00
50.443	(E)-gamma-Bisabolene	0.00
51.256	Unidentified	0.00
53.358	Spathulenol	0.01
53.668	Caryophyllene oxide	0.01
67.104	Pentadecanolide	0.02
		100.00