

Sample Information

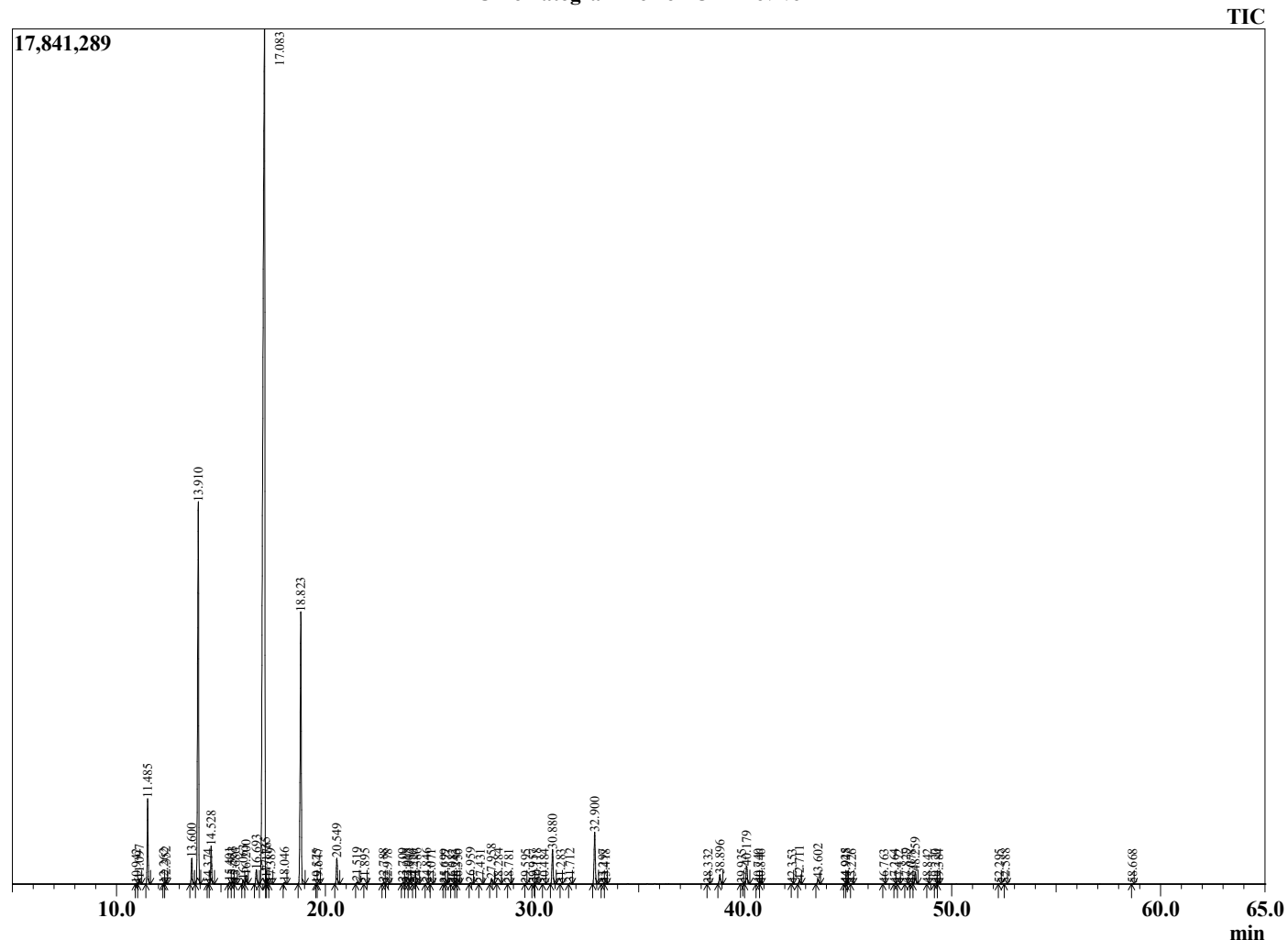
Analyzed by : Dr. Robert S. Pappas
Analyzed : 6/5/2023 5:06:17 PM
Sample Type : Essential Oil
Sample Name : Lemon Oil - Revive
Sample ID : 2Y
Injection Volume : 0.10
Instrument ID: : GC-2



Peak Report TIC

R.Time	Name	Area%
4.178	Heptane	0.00
10.942	Tricyclene	0.01
11.097	alpha-Thujene	0.15
11.485	alpha-Pinene	2.73
12.262	alpha-Fenchene	0.01
12.352	Camphene	0.08
13.600	Sabinene	0.92
13.910	beta-Pinene	14.52
14.374	para-Menth-3-ene	0.01
14.528	Myrcene	1.35
15.401	Octanal	0.07
15.553	alpha-Phellandrene	0.09
15.686	delta-3-Carene	0.03
16.063	1,4-Cineole	0.15
16.200	alpha-Terpinene	0.33
16.693	para-Cymene	0.62
17.083	Limonene	59.52
17.135	beta-Phellandrene	0.21
17.176	1,8-Cineole	0.14
17.389	cis-beta-Ocimene	0.03
18.046	trans-beta-Ocimene	0.06
18.823	gamma-Terpinene	10.90
19.575	Unidentified	0.01
19.647	Octanol	0.02
20.549	Terpinolene	1.02
21.519	Linalool	0.07
21.895	Nonanal	0.02
22.788	endo-Fenchol	0.05
22.978	trans-para-Mentha-2,8-dienol	0.01
23.709	cis-Limonene oxide	0.05
23.918	Terpin-3-en-1-ol	0.04
24.002	trans-Limonene oxide	0.03
24.220	trans-Pinocarveol	0.01
24.386	Epoxysterpinolene	0.03
24.846	cis-beta-Terpineol	0.03
25.071	Citronellal	0.01
25.699	Isoneral	0.01
25.777	Unidentified	0.01
26.082	Unidentified	0.01
26.243	Unidentified	0.00
26.350	Borneol	0.01
26.959	Terpinen-4-ol	0.06
27.431	Unidentified	0.01
27.958	alpha-Terpineol	0.23
28.284	gamma-Terpineol	0.03
28.781	Decanal	0.01
29.595	trans-Carveol	0.01
29.957	Nerol	0.02
30.118	Citronellol	0.04
30.484	cis-Carveol	0.01
30.880	Neral	1.51
31.283	Carvone	0.01
31.712	Geraniol	0.04
32.900	Geranial	2.25
33.297	Unidentified	0.01
33.418	Unidentified	0.01
38.332	Citronellyl acetate	0.01
38.896	Neryl acetate	0.42
39.935	alpha-Copaene	0.01
40.179	Geranyl acetate	0.83
40.740	beta-Cubebene	0.01
40.846	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 GC/MS quality analysis reflect the chemical composition of the oil and lot referenced above on the date of analysis.

R.Time	Name	Area%
42.353	cis-alpha-Bergamotene	0.01
42.711	beta-Caryophyllene	0.17
43.602	trans-alpha-Bergamotene	0.23
44.925	(Z)-beta-Farnesene	0.01
44.948	alpha-Humulene	0.02
45.226	epi-beta-Santalene	0.01
46.763	trans-beta-Bergamotene	0.01
47.264	Valencene	0.00
47.472	Unidentified	0.01
47.829	(Z)-alpha-Bisabolene	0.02
48.078	trans,trans-alpha-Farnesene	0.01
48.259	beta-Bisabolene	0.56
48.842	delta-Cadinene	0.01
49.220	beta-Sesquiphellandrene	0.01
49.384	(E)-gamma-Bisabolene	0.01
52.295	Spathulenol	0.01
52.588	Caryophyllene oxide	0.02
58.668	alpha-Bisabolol	0.01
		100.00