

Sample Information

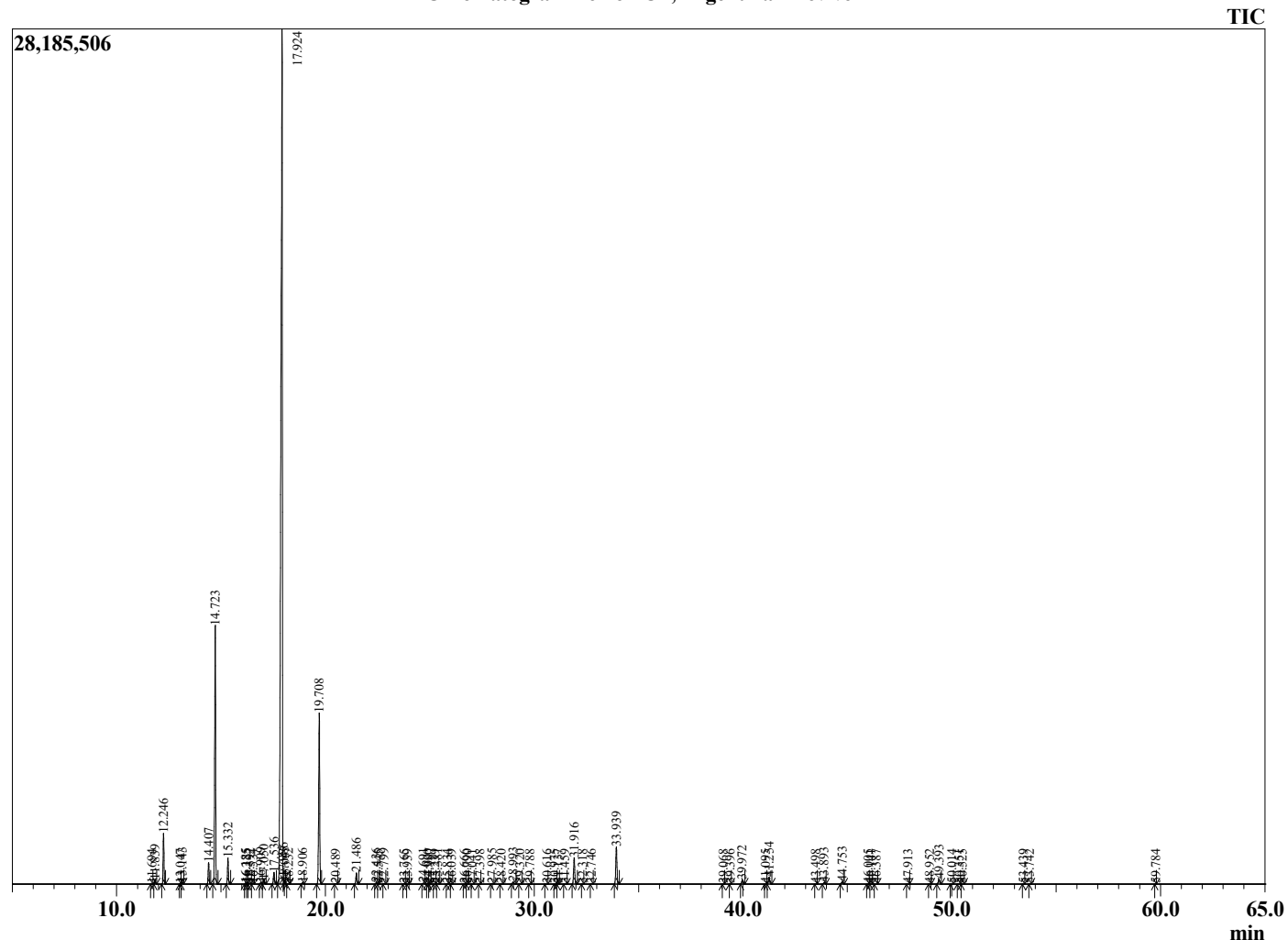
Analyzed by : Dr. Robert S. Pappas
 Analyzed : 12/06/2022 5:01:38 PM
 Sample Type : Essential Oil
 Sample Name : Lemon Oil, Argentina - Revive
 Sample ID : 3M
 Injection Volume : 0.10
 Instrument ID: : GC-4



Peak Report TIC

R.Time	Name	Area%
4.552	Heptane	0.00
11.694	Tricyclene	0.00
11.839	alpha-Thujene	0.18
12.246	alpha-Pinene	2.19
13.047	alpha-Fenchene	0.01
13.143	Camphene	0.06
14.407	Sabinene	1.02
14.723	beta-Pinene	12.64
15.332	Myrcene	1.28
16.185	Octanal	0.05
16.225	Unidentified	0.02
16.392	alpha-Phellandrene	0.06
16.534	delta-3-Carene	0.02
16.909	1,4-Cineole	0.08
17.050	alpha-Terpinene	0.22
17.536	para-Cymene	0.67
17.924	Limonene	65.72
17.986	beta-Phellandrene	0.02
18.045	1,8-Cineole	0.02
18.232	cis-beta-Ocimene	0.03
18.906	trans-beta-Ocimene	0.07
19.708	gamma-Terpinene	9.25
20.489	trans-Sabinene hydrate	0.02
21.486	Terpinolene	0.60
22.436	Linalool	0.07
22.545	cis-Sabinene hydrate	0.01
22.799	Nonanal	0.03
23.765	alpha-Fenchol	0.02
23.939	trans-para-Mentha-2,8-dienol	0.01
24.691	cis-Limonene oxide	0.06
24.900	Terpin-3-en-1-ol	0.02
24.987	trans-Limonene oxide	0.04
25.239	trans-Pinocarveol	0.00
25.381	Epoxyterpinolene	0.03
25.834	cis-beta-Terpineol	0.01
26.039	Citronellal	0.01
26.666	Isogeranial	0.00
26.790	Unidentified	0.01
27.041	Unidentified	0.01
27.398	Borneol	0.01
27.985	Terpinen-4-ol	0.04
28.420	para-Cymen-8-ol	0.01
28.993	alpha-Terpineol	0.14
29.320	gamma-Terpineol	0.02
29.788	Decanal	0.01
30.616	trans-Carveol	0.01
30.975	Nerol	0.01
31.137	Citronellol	0.01
31.459	cis-Carveol	0.01
31.916	Neral	1.55
32.318	Carvone	0.01
32.746	Geraniol	0.02
33.939	Geranial	2.25
39.068	para-Menth-8-ene-1,2-diol	0.01
39.396	Citronellyl acetate	0.01
39.972	Neryl acetate	0.25
41.095	Unidentified	0.00
41.254	Geranyl acetate	0.43
43.498	cis-alpha-Bergamotene	0.01
43.893	trans-beta-Caryophyllene	0.11
44.753	trans-alpha-Bergamotene	0.15
46.005	trans-beta-Farnesene	0.01

Chromatogram Lemon Oil, Argentina - Revive



Comments:

The analysis of this Lemon, Argentina 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%
46.141	alpha-Humulene	0.01
46.387	beta-Santalene	0.01
47.913	trans-beta-Bergamotene	0.01
48.952	cis-alpha-Bisabolene	0.01
49.393	beta-Bisabolene	0.32
50.014	delta-Cadinene	0.01
50.351	beta-Sesquiphellandrene	0.00
50.525	(E)-gamma-Bisabolene	0.00
53.439	Spathulenol	0.01
53.742	Caryophyllene oxide	0.01
59.784	alpha-Bisabolol	0.00
		100.00