

Sample Information

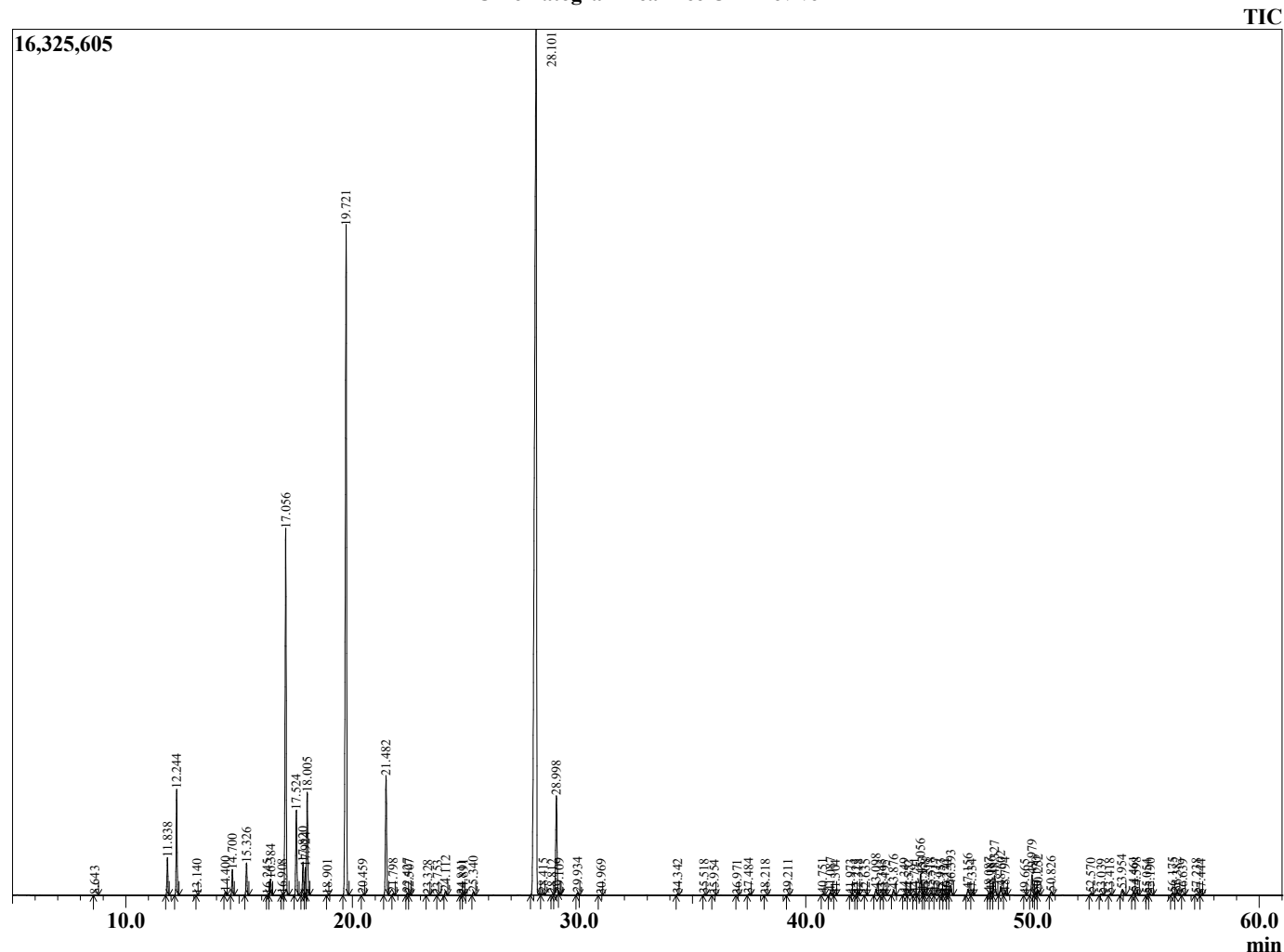
Analyzed by : Dr. Robert S. Pappas
 Analyzed : 10/10/2022 6:59:32 PM
 Sample Type : Essential Oil
 Sample Name : Tea Tree Oil - Revive
 Sample ID : 7A
 Injection Volume : 0.10
 Instrument ID: : GC-4



Peak Report TIC

R.Time	Name	Area%
4.130	2-Methylbutanal	0.02
8.643	Hex-(3Z)-enol	0.01
11.838	alpha-Thujene	0.86
12.244	alpha-Pinene	2.46
13.140	Camphene	0.01
14.400	Sabinene	0.09
14.700	beta-Pinene	0.65
15.326	Myrcene	0.82
16.245	Pseudolimonene	0.01
16.384	alpha-Phellandrene	0.42
16.908	1,4-Cineole	0.03
17.056	alpha-Terpinene	10.13
17.524	para-Cymene	2.33
17.820	Limonene	0.92
17.924	beta-Phellandrene	0.70
18.005	1,8-Cineole	2.87
18.901	(E)-beta-Ocimene	0.01
19.721	gamma-Terpinene	21.12
20.459	trans-Sabinene hydrate	0.03
21.482	Terpinolene	3.47
21.798	para-Cymenene	0.05
22.427	Linalool	0.06
22.507	cis-Sabinene hydrate	0.03
23.328	1,3,8-para-Menthatriene	0.01
23.753	alpha-Fenchol	0.01
24.112	cis-para-Menth-2-en-1-ol	0.13
24.811	Unidentified	0.01
24.891	Terpin-3-en-1-ol	0.01
25.340	trans-para-Menth-2-en-1-ol	0.11
28.101	Terpinen-4-ol	42.89
28.415	para-Cymen-8-ol	0.06
28.812	Unidentified	0.02
28.998	alpha-Terpineol	3.30
29.109	cis-Piperitol	0.01
29.934	trans-Piperitol	0.08
30.969	Nerol	0.02
34.342	cis-Ascidol glycol	0.03
35.518	trans-Ascidol glycol	0.03
35.954	Carvacrol	0.01
36.971	Unidentified	0.01
37.484	Unidentified	0.05
38.218	delta-Elementene	0.02
39.211	alpha-Cubebene	0.03
40.751	Isodene	0.04
41.087	alpha-Copaene	0.11
41.304	Unidentified	0.01
41.973	beta-Elementene	0.01
42.223	Unidentified	0.01
42.318	Unidentified	0.02
42.635	Methyleugenol	0.01
43.098	alpha-Gurjunene	0.21
43.343	beta-Maaliene	0.02
43.495	Unidentified	0.01
43.876	trans-beta-Caryophyllene	0.20
44.349	gamma-Maaliene	0.05
44.552	Calarene	0.02
44.791	alpha-Maaliene	0.05
45.056	beta-Copaene	0.76
45.153	Unidentified	0.08
45.268	Unidentified	0.03
45.518	Selina-5,11-diene	0.12
45.717	Cadina-3,5-diene	0.07

Chromatogram Tea Tree Oil - Revive



Comments:

The analysis of this Tea Tree batch sample meets the expected chemical profile for authentic essential oil of *Melaleuca alternifolia*. 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%
45.957	Valerena-4,7(11)-diene	0.02
46.122	alpha-Humulene	0.05
46.230	Unidentified	0.01
46.393	Alloaromadendrene	0.35
47.156	Cadina-1(6),4-diene	0.23
47.334	gamma-Muurolene	0.02
48.087	delta-Selinene	0.09
48.186	beta-Selinene	0.15
48.327	Viridiflorene	0.74
48.602	Bicyclogermacrene	0.36
48.794	alpha-Muurolene	0.09
49.665	gamma-Cadinene	0.01
49.979	delta-Cadinene	0.73
50.170	trans-Calamenene	0.07
50.252	Zonarene	0.18
50.826	trans-Cadine-1,4-diene	0.12
52.570	Unidentified	0.06
53.039	Palustrol	0.06
53.418	Spathulenol	0.04
53.954	Globulol	0.23
54.461	Viridiflorol	0.13
54.598	Cubeban-11-ol	0.10
55.054	Ledol	0.03
55.190	Rosifoliol	0.06
56.175	Unidentified	0.08
56.382	Epicubenol	0.11
56.639	Unidentified	0.03
57.238	Unidentified	0.06
57.444	delta-Cadinol	0.02
		100.00