

Sample Information

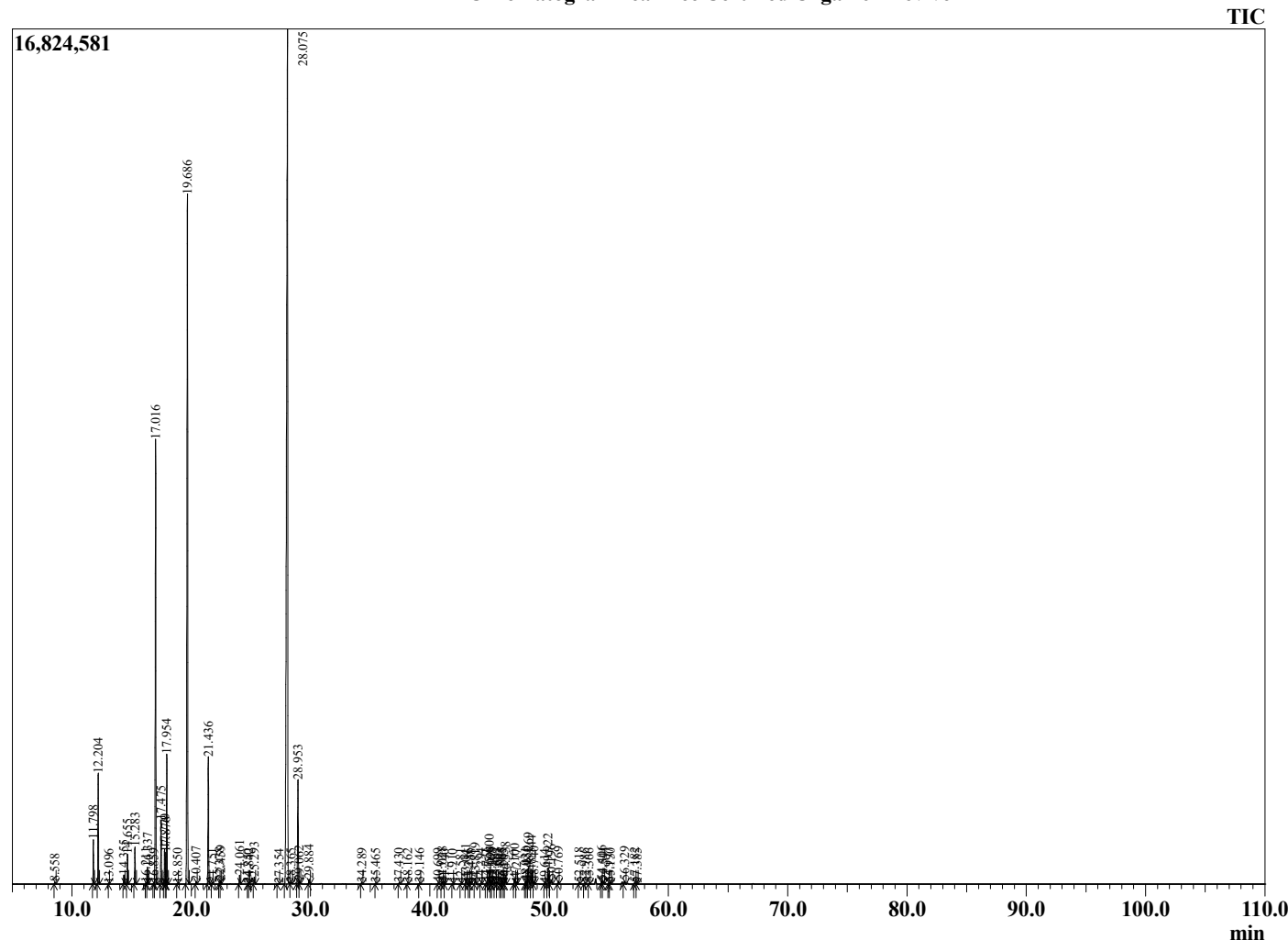
Analyzed by : Dr. Robert S. Pappas
 Analyzed : 2/11/2023 4:59:50 AM
 Sample Type : Essential Oil
 Sample Name : Tea Tree Certified Organic - Revive
 Sample ID : 2H
 Injection Volume : 0.10
 Instrument ID: : GC-4



Peak Report TIC

R.Time	Name	Area%
4.115	2-Methylbutanal	0.01
8.558	3Z-Hexenol	0.04
11.798	alpha-Thujene	0.92
12.204	alpha-Pinene	2.35
13.096	Camphene	0.01
14.355	Sabinene	0.21
14.655	beta-Pinene	0.70
15.283	Myrcene	0.87
16.211	unidentified	0.04
16.337	alpha-Phellandrene	0.41
16.859	1,4-Cineole	0.02
17.016	alpha-Terpinene	11.32
17.475	para-Cymene	1.62
17.770	Limonene	0.92
17.876	beta-Phellandrene	0.79
17.954	1,8-Cineole	3.31
18.850	trans-beta-Ocimene	0.01
19.686	gamma-Terpinene	21.49
20.407	trans-Sabinene hydrate	0.07
21.436	Terpinolene	3.49
21.751	Dehydro-p-cymene	0.03
22.378	Linalool	0.04
22.459	cis-Sabinene hydrate	0.10
24.061	cis-para-menth-2-en-1-ol	0.26
24.750	unidentified	0.01
24.842	unidentified	0.01
25.293	trans-para-menth-2-en-1-ol	0.20
27.354	endo-Borneol	0.01
28.075	Terpinen-4-ol	42.65
28.365	unidentified	0.04
28.953	alpha-Terpineol	3.13
29.062	cis-Piperitol	0.08
29.884	trans-Piperitol	0.14
34.289	cis-Ascidol glycol	0.04
35.465	trans-Ascidol glycol	0.02
37.430	unidentified	0.04
38.162	delta-Elementene	0.03
39.146	alpha-Cubebene	0.03
40.699	Isoledene	0.03
41.028	alpha-Copaene	0.08
41.240	unidentified	0.00
41.910	beta-Elementene	0.01
42.581	Methyleugenol	0.01
43.041	alpha-Gurjunene	0.16
43.286	trans-Cadina-1(6),4-diene	0.02
43.438	Alloaromadendrene	0.01
43.819	Caryophyllene	0.19
44.294	Alloaromadendrene	0.03
44.731	Selina-3,7(11)-diene	0.03
45.000	beta-Copaene	0.51
45.095	unidentified	0.06
45.208	unidentified	0.02
45.462	Prezizaene	0.08
45.663	trans-Murrola-3,5-diene	0.07
45.893	Valerna-4,7(11)-diene	0.01
46.065	alpha-Humulene	0.04
46.205	unidentified	0.00
46.338	(-)-Alloaromadendrene	0.25
47.100	cis-Murrola-4(14),5-diene	0.19
47.277	trans-Murrola-4(14),5-diene	0.01
48.031	delta-Selinene	0.08
48.130	beta-Selinene	0.10

Chromatogram Tea Tree Certified Organic - 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 GC/MS quality analysis reflect the chemical composition of the oil and lot referenced above on the date of analysis.

R.Time	Name	Area%
48.269	Guaia-1(10),11-diene	0.58
48.544	icyclogermacrene	0.48
48.740	unidentified	0.07
49.614	gamma-Cadinene	0.01
49.922	delta-Cadinene	0.55
50.196	Zonarene	0.19
50.769	trans-Cadine-1,4-diene	0.09
52.518	Gleenol	0.05
52.986	Palustrol	0.05
53.366	unidentified	0.03
54.406	Viridiflorol	0.11
54.541	Guaiol	0.09
54.997	Ledol	0.02
55.130	Eudesm-5-en-11-ol	0.04
56.329	1-epi-Cubenol	0.11
57.182	unidentified	0.06
57.385	delta-Cadinol	0.02
		100.00