

Sample Information

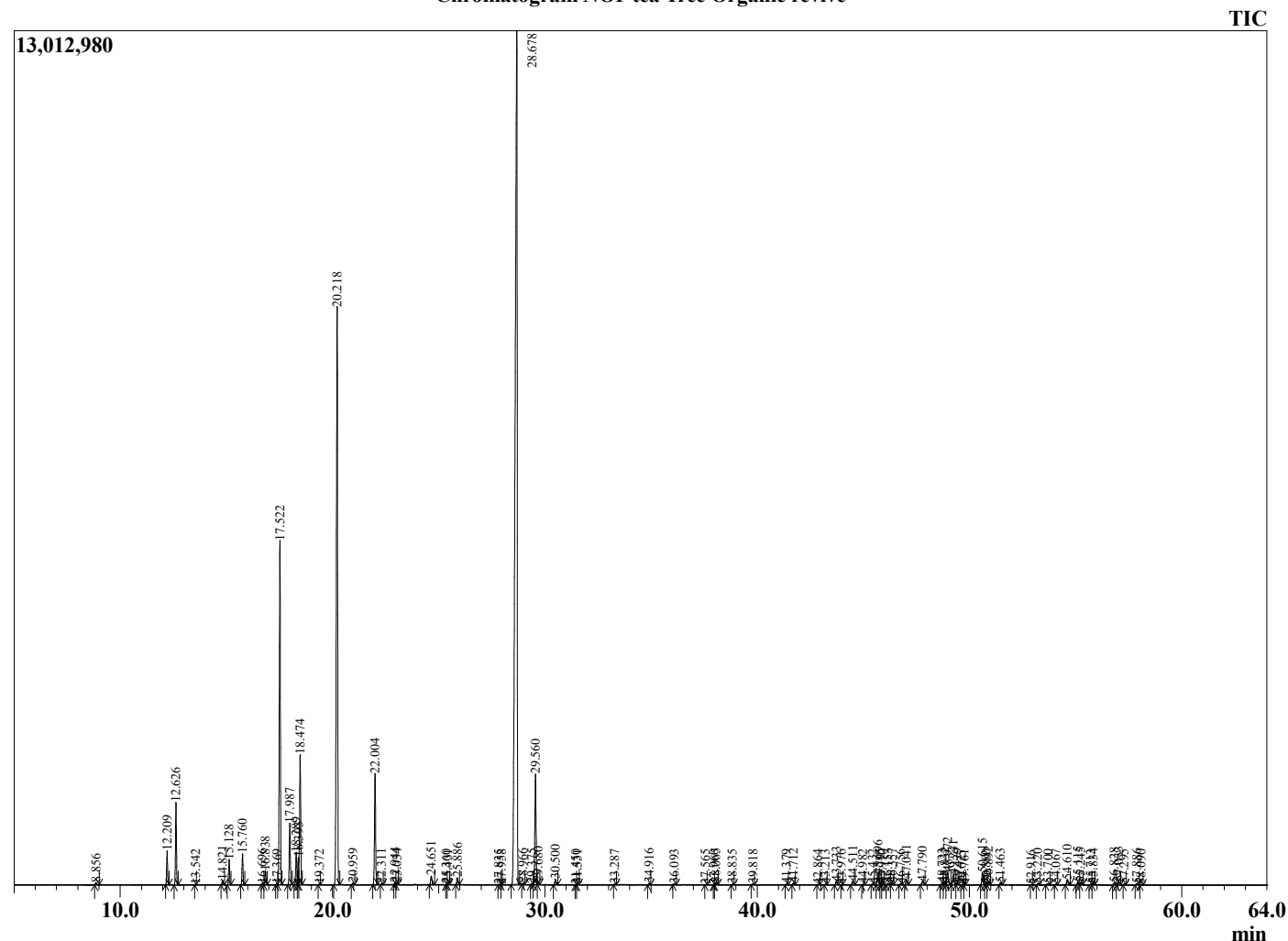
Analyzed by : Dr. Robert S. Pappas
 Analyzed : 12/9/2022 10:52:05 PM
 Sample Type : Essential Oil
 Sample Name : NOP tea Tree Organic revive
 Sample ID : 3D
 Injection Volume : 0.10
 Instrument ID: : GC-3



Peak Report TIC

R.Time	Name	Area%
4.239	2-Methylbutanal	0.01
8.856	cis-3-Hexenol	0.07
12.209	alpha-Thujene	0.81
12.626	alpha-Pinene	2.01
13.542	Camphene	0.01
14.821	Sabinene	0.12
15.128	beta-Pinene	0.66
15.760	Myrcene	0.81
16.696	cis-3-Hexenyl acetate	0.03
16.838	alpha-Phellandrene	0.37
17.369	1,4-Cineole	0.02
17.522	alpha-Terpinene	9.88
17.987	para-Cymene	1.72
18.289	Limonene	0.91
18.393	beta-Phellandrene	0.68
18.474	1,8-Cineole	3.80
19.372	trans-beta-Ocimene	0.01
20.218	gamma-Terpinene	19.20
20.959	trans-Sabinene hydrate	0.05
22.004	Terpinolene	3.27
22.311	para-Cymenene	0.03
22.944	Linalool	0.06
23.034	cis-Sabinene hydrate	0.05
24.651	cis-para-Menth-2-en-1-ol	0.28
25.360	Unidentified	0.00
25.431	Terpin-3-en-1-ol	0.01
25.886	trans-para-Menth-2-en-1-ol	0.21
27.835	delta-Terpineol	0.01
27.958	Unidentified	0.00
28.678	Terpinen-4-ol	46.80
28.966	para-Cymen-8-ol	0.03
29.375	Unidentified	0.02
29.560	alpha-Terpineol	3.58
29.680	cis-Piperitol	0.08
30.500	trans-Piperitol	0.17
31.450	Unidentified	0.01
31.531	Nerol	0.02
33.287	Geraniol	0.02
34.916	Ascidol glycol	0.05
36.093	Ascidol glycol	0.03
37.565	Unidentified	0.01
37.960	Unidentified	0.00
38.065	Unidentified	0.06
38.835	delta-Elementene	0.02
39.818	alpha-Cubebene	0.02
41.379	Isodene	0.02
41.712	alpha-Copaene	0.06
42.864	Unidentified	0.01
43.213	Methyleugenol	0.02
43.733	alpha-Gurjunene	0.12
43.976	Unidentified	0.01
44.511	beta-Caryophyllene	0.14
44.982	gamma-Maaliene	0.03
45.432	alpha-Maaliene	0.03
45.696	Aromadendrene	0.38
45.795	Unidentified	0.05
45.910	Unidentified	0.02
46.153	alpha-Guaiene	0.06
46.357	Cadina-3,5-diene	0.05
46.756	alpha-Humulene	0.03
47.041	Alloaromadendrene	0.20
47.790	Cadina-1(6),4-diene	0.14

Chromatogram NOP tea Tree 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 GCMS quality analysis reflect the chemical composition of the oil and lot referenced above on the date of analysis.

R.Time	Name	Area%
48.723	delta-Selinene	0.07
48.832	beta-Selinene	0.08
48.972	Viridiflorene	0.49
49.241	Bicyclogermacrene	0.40
49.429	alpha-Muurolene	0.05
49.625	Unidentified	0.01
49.761	Unidentified	0.01
50.615	delta-Cadinene	0.42
50.800	cis-Calamenene	0.03
50.892	Zonarene	0.11
51.463	trans-Cadina-1,4-diene	0.07
52.916	Unidentified	0.01
53.220	Gleenol	0.05
53.700	Palustrol	0.05
54.067	Spathulenol	0.03
54.610	Globulol	0.19
55.115	Viridiflorol	0.11
55.245	Cubeban-11-ol	0.09
55.713	Ledol	0.02
55.834	Rosifoliol	0.04
56.828	beta-Eudesmol	0.08
57.033	Epicubenol	0.11
57.295	Unidentified	0.03
57.886	Cubenol analogue	0.05
58.090	alpha-Muurolol	0.02
		100.00