

Sample Information

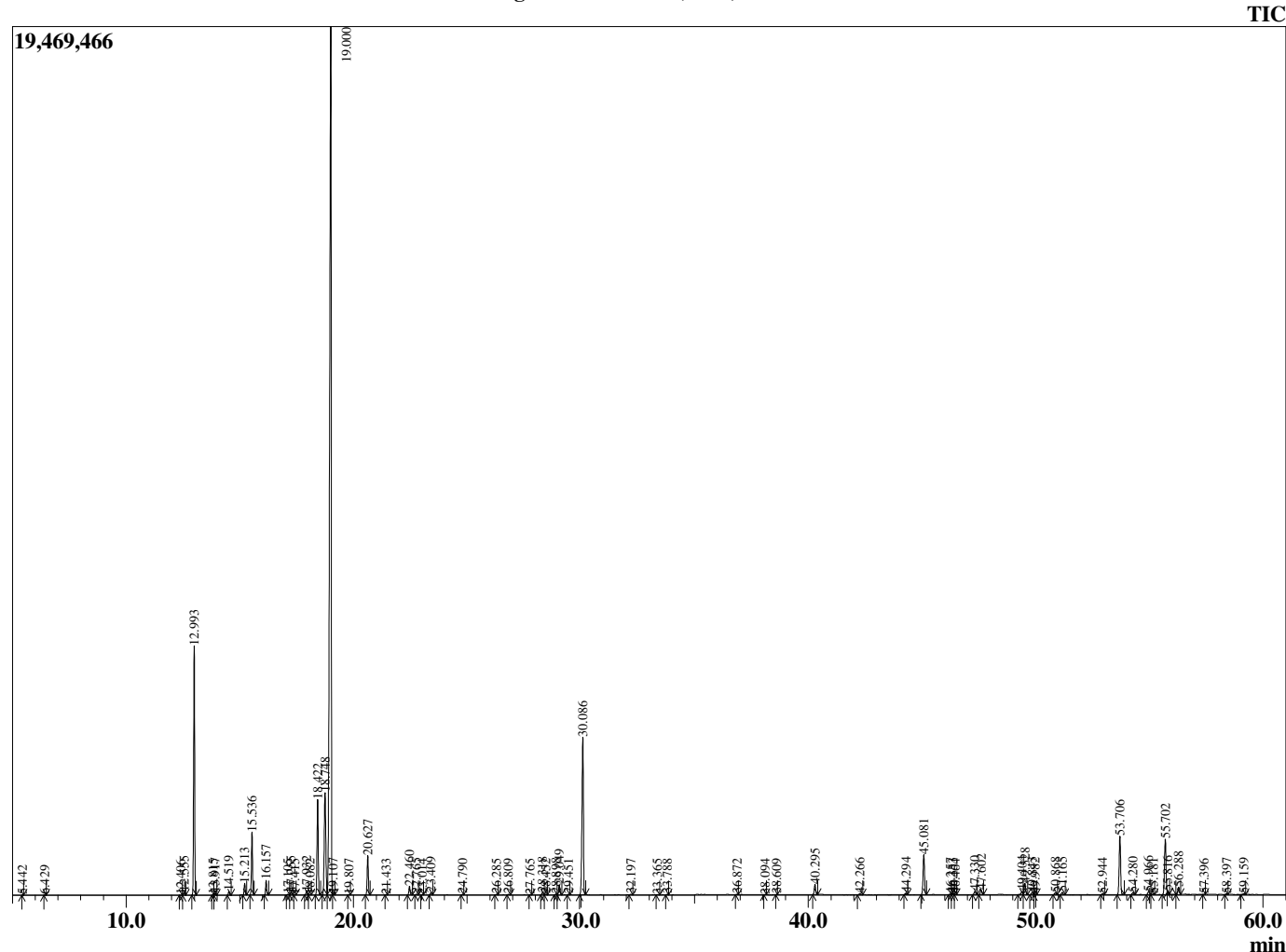
Analyzed by : Dr. Robert S. Pappas
 Analyzed : 10/22/2020 2:07:49 AM
 Sample Type : Essential Oil
 Sample Name : Niaouli Oil (ECO)-Edens Garden
 Sample ID : BA29IAJ
 Injection Volume : 0.10
 Instrument ID : GC-3



Peak Report TIC

R.Time	Name	Area%
4.228	3-Methylbutanal	0.01
5.442	1-Pentanol	0.01
6.429	Methyl 2-methylbutyrate	0.01
12.406	Tricyclene	0.01
12.555	alpha-Thujene	0.13
12.993	alpha-Pinene	9.56
13.815	alpha-Fenchene	0.02
13.917	Camphene	0.08
14.519	Benzaldehyde	0.16
15.213	Sabinene	0.47
15.536	beta-Pinene	2.53
16.157	Myrcene	0.58
17.105	Pseudolimonene	0.04
17.255	alpha-Phellandrene	0.12
17.415	delta-Carene	0.01
17.932	alpha-Terpinene	0.15
18.082	ortho-Cymene	0.01
18.422	para-Cymene	4.23
18.748	Limonene	5.96
19.000	1,8-cineole	52.28
19.107	(Z)-beta-Ocimene	0.04
19.807	(E)-beta-Ocimene	0.02
20.627	gamma-Terpinene	1.73
21.433	trans-Sabinene hydrate	0.01
22.460	Terpinolene	0.39
22.765	Dehydro-para-cymene	0.03
23.014	Methyl benzoate	0.01
23.409	Linalool	0.11
24.790	alpha-Fenchol	0.03
26.285	trans-Pinocarveol	0.03
26.809	Isosopulegol	0.02
27.765	Pinocarvone	0.01
28.318	delta-Terpineol	0.12
28.452	Borneol	0.03
28.898	Unidentified	0.04
29.049	Terpinen-4-ol	0.50
29.451	para-Cymen-8-ol	0.03
30.086	alpha-Terpineol	8.38
32.197	Unidentified	0.04
33.365	Carvone	0.02
33.788	Geraniol	0.02
36.872	Unidentified	0.02
38.094	Unidentified	0.01
38.609	Unidentified	0.01
40.295	alpha-Terpinyl acetate	0.52
42.266	alpha-Copaene	0.08
44.294	alpha-Gurjunene	0.08
45.081	beta-Caryophyllene	2.13
46.257	Aromadendrene	0.03
46.353	6,9-Guanidene	0.07
46.464	Unidentified	0.01
47.330	alpha-Humulene	0.19
47.602	Alloaromadendrene	0.25
49.404	beta-Selinene	0.21
49.528	Viridiflorene	0.64
49.843	alpha-Selinene	0.11
49.982	alpha-Murolene	0.02
50.868	gamma-Cadinene	0.11
51.165	delta-Cadinene	0.13
52.944	Elemol	0.05
53.706	Nerolidol	3.15
54.280	Palustrol	0.11

Chromatogram Niaouli Oil (ECO)-Edens Garden



Comments:

The analysis of this Niaouli batch sample meets the expected chemical profile for authentic essential oil of *Melaleuca quinquenervia*. 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%
54.966	Caryophyllene oxide	0.17
55.181	Globulol	0.05
55.702	Viridiflorol	3.33
55.816	Guaiol	0.04
56.288	Ledol	0.41
57.396	Unidentified	0.01
58.397	tau-Cadinol	0.04
59.159	Unidentified	0.07
		100.00