

Sample Information

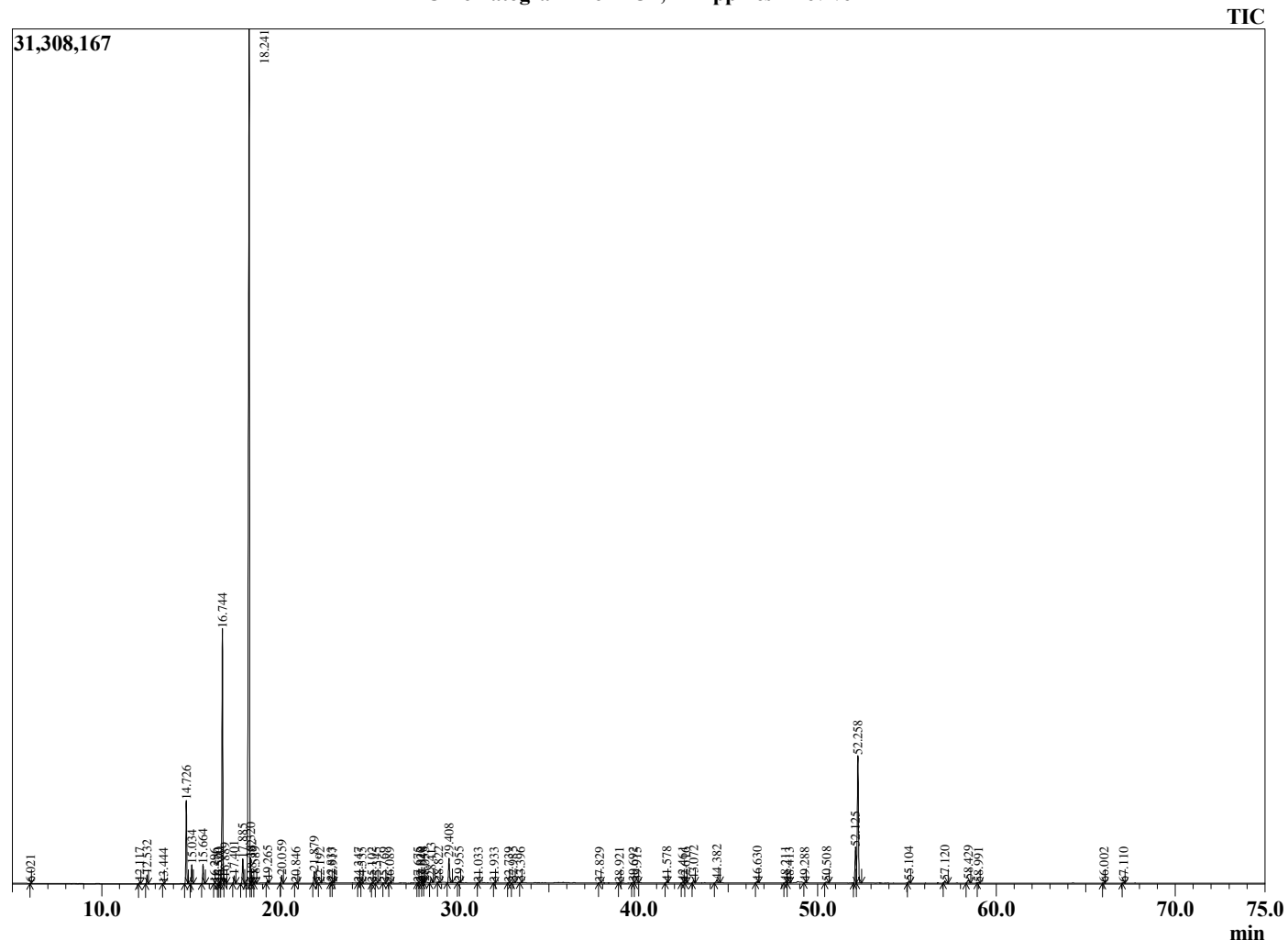
Analyzed by : Dr. Robert S. Pappas
 Analyzed : 3/18/2022 2:13:31 AM
 Sample Type : Essential Oil
 Sample Name : Elemi Oil, Philippines - Revive
 Sample ID : 1280
 Injection Volume : 0.10 µL
 Instrument ID: : GC-3



Peak Report TIC

R.Time	Name	Area%
6.021	Toluene	0.01
12.117	alpha-Thujene	0.07
12.532	alpha-Pinene	0.43
13.444	Camphene	0.01
14.726	Sabinene	4.35
15.034	beta-Pinene	0.99
15.664	Myrcene	1.00
16.296	Unidentified	0.01
16.520	Octanal	0.02
16.590	Pseudolimonene	0.05
16.744	alpha-Phellandrene	14.13
16.889	delta-3-Carene	0.27
17.401	alpha-Terpinene	0.40
17.885	para-Cymene	1.42
18.241	Limonene	58.07
18.320	beta-Phellandrene	1.07
18.392	1,8-Cineole	0.37
18.589	(Z)-beta-ocimene	0.09
19.265	(E)-beta-ocimene	0.15
20.059	gamma-Terpinene	0.44
20.846	trans-Sabinene hydrate	0.05
21.879	Terpinolene	0.67
22.192	para-Cymenene	0.02
22.833	Linalool	0.05
22.917	cis-Sabinene hydrate	0.02
24.347	trans-para-Mentha-2,8-dien-1-ol	0.01
24.535	cis-para-Menth-2-en-1-ol	0.01
25.102	trans-Limonene oxide	0.01
25.345	cis-para-Mentha-2,8-dien-1-ol	0.01
25.769	Unidentified	0.01
26.089	Camphor	0.02
27.675	Unidentified	0.01
27.820	Borneol	0.01
27.948	Unidentified	0.04
28.055	Unidentified	0.01
28.413	Terpinen-4-ol	0.32
28.822	para-Cymen-8-ol	0.04
29.408	alpha-Terpineol	1.59
29.955	alpha-Phellandrene epoxide	0.07
31.033	trans-Carveol	0.01
31.933	cis-Carveol	0.01
32.739	Carvone	0.01
32.985	Linalyl acetate	0.06
33.396	Piperitone	0.02
37.829	Unidentified	0.04
38.921	delta-Elementene	0.02
39.692	alpha-Cubebene	0.05
39.915	Eugenol	0.09
41.578	alpha-Copene	0.08
42.461	beta-Elementene	0.06
42.616	Unidentified	0.01
43.072	Methyleugenol	0.18
44.382	trans-beta-Caryophyllene	0.29
46.630	alpha-Humulene	0.10
48.211	Germacrene D	0.07
48.413	Aristolochene	0.03
49.288	alpha-Murolene	0.02
50.508	Unidentified	0.10
52.125	Elmicin	2.42
52.258	alpha-Elmool	9.36
55.104	Guaiol	0.13
57.120	gamma-Eudesmol	0.16

Chromatogram Elemi Oil, Philippines - Revive



Comments:

The analysis of this Elemi batch sample meets the expected chemical profile for authentic essential oil of *Canarium luzonicum*. 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%
58.429	alpha-Eudesmol	0.31
58.991	Bulnesol	0.03
66.002	Phellandrene dimer	0.03
67.110	Cryptomeridiol	0.03
		100.00