

Sample Information

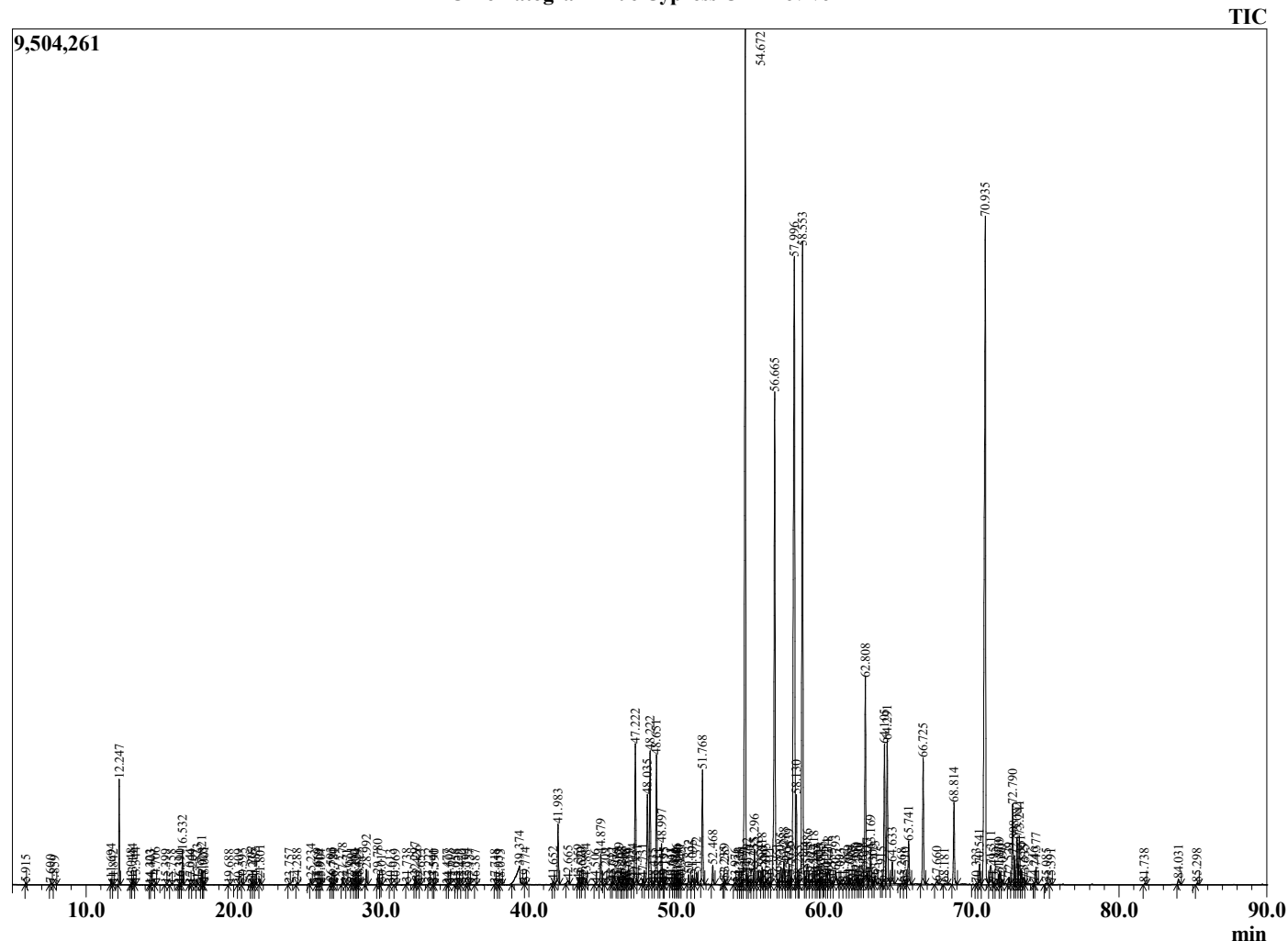
Analyzed by : Dr. Robert S. Pappas
 Analyzed : 12/15/2022 7:20:47 PM
 Sample Type : Essential Oil
 Sample Name : Blue Cypress Oil - Revive
 Sample ID : 6J
 Injection Volume : 0.10
 Instrument ID: : GC-4



Peak Report TIC

R.Time	Name	Area%
5.915	Toluene	0.01
7.600	3-Methylbutyrate	0.01
7.859	Furfural	0.01
11.694	Tricyclene	0.05
11.842	alpha-Thujene	0.00
12.247	alpha-Pinene	0.94
13.048	alpha-Fenchene	0.02
13.144	Camphene	0.05
13.344	Thuja-2,4(10)-diene	0.02
14.323	Cymene isomer	0.01
14.403	Sabinene	0.00
14.706	beta-Pinene	0.02
15.399	Unidentified	0.01
15.758	Unidentified	0.01
16.311	Unidentified	0.01
16.390	alpha-Phellandrene	0.01
16.532	delta-3-Carene	0.36
17.044	alpha-Terpinene	0.01
17.209	Unidentified	0.01
17.523	para-Cymene	0.06
17.821	Limonene	0.14
17.923	beta-Phellandrene	0.03
18.001	1,8-Cineole	0.03
19.688	gamma-Terpinene	0.01
20.309	Unidentified	0.00
20.595	Pinol	0.02
21.202	Cymenene isomer	0.05
21.275	Unidentified	0.00
21.482	Terpinolene	0.03
21.801	para-Cymenene	0.07
23.757	alpha-Fenchol	0.02
24.288	alpha-Campholenal	0.02
25.234	trans-Pinocarveol	0.08
25.669	Camphor	0.02
25.819	Unidentified	0.01
25.904	alpha-Phellandrene-8-ol	0.01
26.593	trans-Pinocamphone	0.03
26.720	Pinocarvone	0.02
26.784	Isoborneol	0.01
27.378	Borneol	0.09
27.671	cis-Pinocamphone	0.01
27.991	Terpinen-4-ol	0.04
28.202	Unidentified	0.01
28.329	Unidentified	0.00
28.419	Unidentified	0.00
28.525	Terpineol isomer	0.02
28.992	alpha-Terpineol + Myrtenol	0.22
29.780	Verbenone	0.13
30.017	Eucarvone	0.02
30.613	trans-Carveol	0.01
30.969	3-Isopropyl phenol	0.01
31.738	trans-Myrtanol	0.02
32.297	Unidentified	0.10
32.426	Unidentified	0.06
32.653	cis-Myrtanol	0.01
33.222	Unidentified	0.02
33.541	Unidentified	0.01
33.590	Unidentified	0.01
34.477	Unidentified	0.01
34.608	Phellandral	0.01
35.058	Bornyl acetate	0.01
35.229	Unidentified	0.01

Chromatogram Blue Cypress Oil - Revive



Comments:

The analysis of this Blue Cypress batch sample meets the expected chemical profile for authentic essential oil of *Callistris intratropica*. 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%
35.470	Unidentified	0.01
35.794	Methyl myrtenate	0.02
35.957	Carvacrol	0.01
36.387	Unidentified	0.01
37.718	Unidentified	0.01
37.959	Unidentified	0.01
38.073	Unidentified	0.01
39.374	Myrtenoic acid	0.89
39.774	Unidentified	0.02
41.652	beta-Patchoulene	0.04
41.983	beta-Elemene	0.88
42.665	Unidentified	0.09
43.359	alpha-Gurjunene	0.07
43.529	Unidentified	0.03
43.610	Unidentified	0.02
43.884	beta-Caryophyllene	0.08
44.506	gamma-Elemene	0.01
44.879	alpha-Guaiene	0.42
45.209	Unidentified	0.02
45.612	Cadina-1(6),4-diene	0.03
45.721	beta-Barbatene	0.05
45.979	Guaiene analogue	0.02
46.129	alpha-Humulene	0.11
46.293	Unidentified	0.03
46.338	Unidentified	0.04
46.516	Unidentified	0.01
46.676	Unidentified	0.01
46.754	Unidentified	0.02
47.034	Drima-7,9(11)-diene	0.09
47.222	Unidentified	2.20
47.351	Unidentified	0.01
47.731	Unidentified	0.08
48.035	Liguloxide analogue	1.53
48.222	beta-Selinene	1.96
48.435	Guaia-1(10),11-diene	0.02
48.651	alpha-Selinene	1.84
48.811	Unidentified	0.02
48.997	alpha-Bulnesene	0.58
49.155	Unidentified	0.04
49.195	Unidentified	0.03
49.611	Unidentified	0.02
49.791	Unidentified	0.01
49.930	Unidentified	0.02
50.046	7-epi-alpha-Selinene	0.07
50.140	Unidentified	0.07
50.251	Unidentified	0.09
50.345	Unidentified	0.02
50.832	beta-Maaliene analogue	0.15
51.095	Selina-4(15),7(11)-diene	0.15
51.372	Selina-3,7(11)-diene	0.17
51.768	alpha-Elemol	1.56
52.468	9-epi-Caryophyllene isomer	0.27
53.235	Unidentified	0.02
53.289	Unidentified	0.08
53.976	Unidentified	0.04
54.224	Unidentified	0.01
54.356	Unidentified	0.02
54.471	Unidentified	0.06
54.672	Guaiol	13.37
54.792	Eudesmol isomer	0.15
54.970	Eudesmol isomer	0.08
55.235	5-epi-7-epi-alpha-Eudesmol	0.14
55.296	Guaiol analogue	0.52

R.Time	Name	Area%
55.563	Rosifoliol	0.24
55.818	Maaliol	0.24
55.890	Maaliol isomer	0.04
56.095	epi-gamma-Eudesmol	0.09
56.311	Unidentified	0.03
56.665	gamma-Eudesmol	8.37
56.851	Eudesmol isomer	0.08
57.085	Hinesol	0.28
57.288	Eudesmol isomer	0.40
57.495	Unidentified	0.08
57.639	Eudesmol isomer	0.34
57.695	Valerianol	0.07
57.996	alpha-Eudesmol	13.36
58.130	Unidentified	1.18
58.285	Unidentified	0.05
58.553	Bulnesol	10.22
58.744	Unidentified	0.13
58.886	Unidentified	0.40
59.125	Unidentified	0.10
59.318	Bulnesol analogue	0.31
59.445	Unidentified	0.06
59.625	Unidentified	0.09
59.775	Zizanal	0.07
59.813	Unidentified	0.12
60.015	Unidentified	0.06
60.214	Unidentified	0.19
60.318	Unidentified + Unidentified	0.29
60.555	Unidentified	0.03
60.793	Unidentified + Unidentified	0.31
61.093	Unidentified	0.02
61.382	Unidentified	0.03
61.659	Unidentified	0.06
61.764	Unidentified	0.07
61.985	Chamazulene	0.04
62.210	Unidentified	0.11
62.321	Unidentified	0.11
62.380	Unidentified	0.04
62.628	Unidentified	0.09
62.808	gamma-Costol	3.19
62.937	Unidentified	0.03
63.169	Unidentified	0.58
63.303	Unidentified	0.07
63.473	13-Hydroxy valencene	0.14
63.915	Unidentified	0.03
64.105	beta-Costol	2.03
64.291	alpha-Costol	2.13
64.633	Unidentified	0.37
65.268	Unidentified	0.02
65.510	Unidentified	0.03
65.741	Callitrin isomer	0.73
66.725	Callitrin	1.83
67.660	Unidentified	0.06
68.181	Unidentified	0.03
68.814	Callitrisin isomer	1.21
70.323	Unidentified	0.02
70.541	Unidentified	0.32
70.935	Dihydrocolumellarin	12.66
71.311	Unidentified	0.51
71.495	Unidentified	0.03
71.870	Unidentified	0.14
71.909	Unidentified	0.20
72.090	Unidentified	0.09
72.539	Unidentified	0.12

R.Time	Name	Area%
72.790	Callitrisin analogue	1.35
72.898	Unidentified	0.42
73.082	Callitrisin	0.67
73.241	Columellarin	0.75
73.351	Unidentified	0.19
73.529	Unidentified	0.18
73.635	Unidentified	0.06
74.246	Unidentified	0.02
74.377	Unidentified	0.25
75.085	Unidentified	0.03
75.391	13-epi-Manoyl oxide	0.02
81.738	Unidentified	0.02
84.031	Sandaracopimarinal	0.11
85.298	Unidentified	0.03
		100.00