

Sample Information

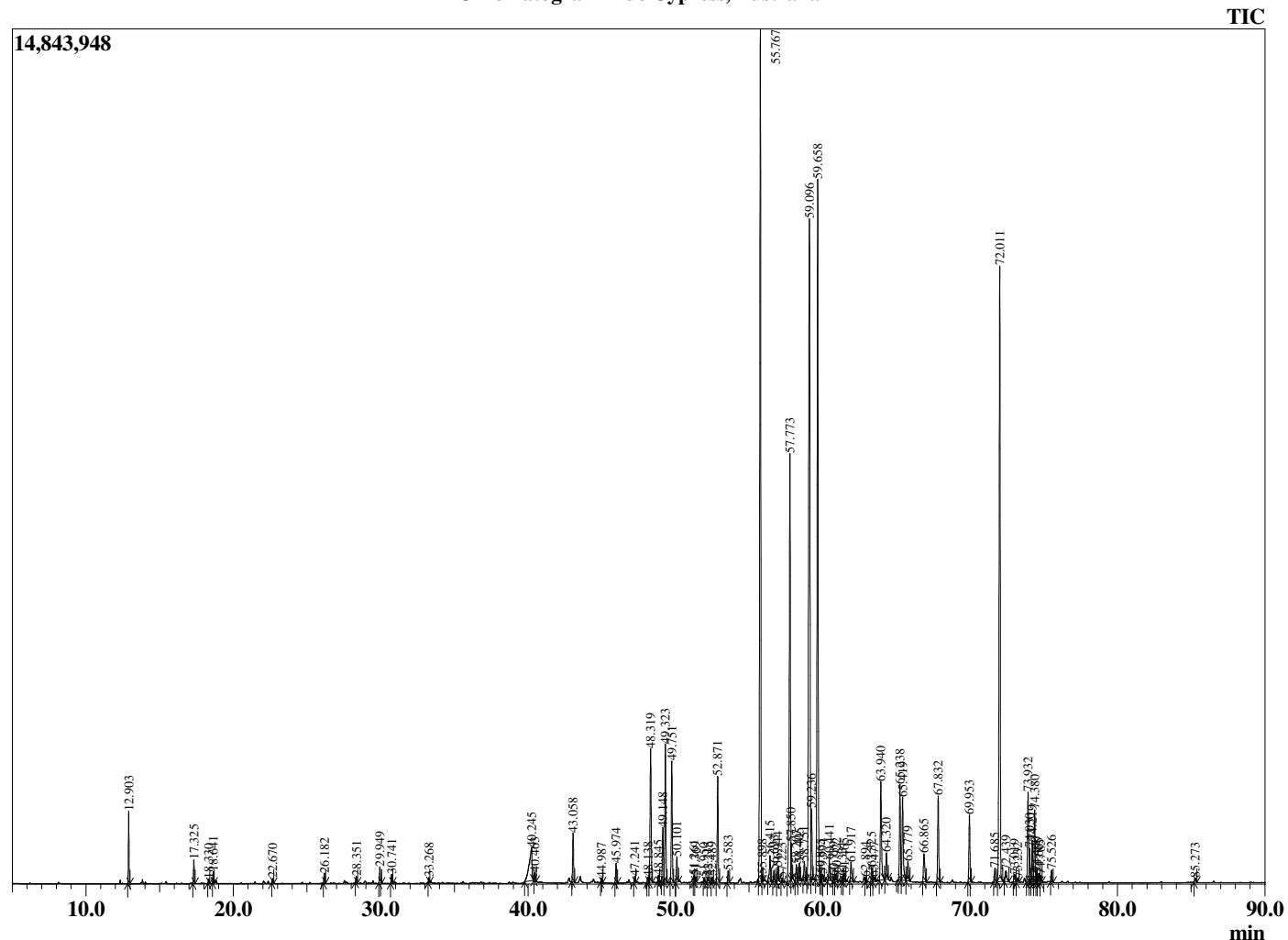
Analyzed by : Dr. Robert S. Pappas
 Analyzed : 11/14/2018 7:32:42 PM
 Sample Type : Essential Oil
 Sample Name : Blue Cypress, Australia
 Sample ID : B0130P [1-4]
 Injection Volume : 0.10
 Instrument ID: : GC-3



Peak Report TIC

R.Time	Name	Area%
12.903	alpha-Pinene	0.81
17.325	delta-3-Carene	0.29
18.330	para-Cymene	0.06
18.641	Limonene	0.14
22.670	para-Cymenene	0.06
26.182	trans-Pinocarveol	0.14
28.351	Borneol	0.09
29.949	alpha-Terpineol	0.26
30.741	Verbenone	0.12
33.268	alpha-Terpinen-7-al	0.07
40.245	Myrtenoic acid	1.58
40.463	Eugenol	0.12
43.058	beta-Elementene	0.78
44.987	beta-Caryophyllene	0.07
45.974	alpha-Guaiene	0.31
47.241	alpha-Humulene	0.09
48.138	4,5-Di-epi-aristolochene	0.08
48.319	Unidentified sesquiterpene	2.51
48.845	Unidentified	0.10
49.148	4-epi-cis-Dihydroagarofuran	1.00
49.323	beta-Selinene	2.30
49.751	alpha-Selinene	2.06
50.101	alpha-Bulnesene	0.41
51.261	Unidentified	0.10
51.369	Unidentified	0.08
51.950	alpha-Maallene	0.08
52.215	Eremophilene isomer	0.11
52.489	Selina-3,7(11)-diene	0.10
52.871	Elemol	1.73
53.583	Unidentified	0.19
55.767	Guaiol	15.11
55.898	Unidentified	0.09
56.415	Guaiol isomer	0.50
56.693	Eudesm-5-en-11-ol	0.20
56.944	Unidentified	0.23
57.223	10-epi-gamma-Eudesmol	0.06
57.773	gamma-Eudesmol	8.10
57.850	Unidentified sesquiterpene	0.38
58.207	Hinesol	0.28
58.405	Eudesmol isomer	0.30
58.751	Eudesmol isomer	0.32
59.096	alpha-Eudesmol	16.09
59.236	Unidentified sesquiterpenol	1.13
59.658	Bulnesol	12.42
59.855	Unidentified	0.11
59.994	Unidentified	0.16
60.441	Bulnesol isomer	0.33
60.739	Unidentified	0.07
60.922	Unidentified	0.20
61.331	Unidentified	0.09
61.465	Unidentified	0.19
61.917	Unidentified	0.40
62.894	Unidentified	0.07
63.325	Unidentified	0.24
63.477	Unidentified	0.10
63.940	Unidentified sesquiterpenol	2.03
64.320	Unidentified sesquiterpenol	0.53
65.238	Unidentified sesquiterpenol	1.66
65.419	Unidentified sesquiterpenol	1.71
65.779	Unidentified	0.40
66.865	Callitrin isomer	0.66
67.832	Callitrin	1.49

Chromatogram Blue Cypress, Australia



Comments:

The analysis of this Blue Cypress, Australia batch sample meets the expected chemical profile for authentic essential oil of *Callitris intratopica*. 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%
69.953	Callitrisin isomer	1.19
71.685	Unidentified	0.24
72.011	Dihydrocolumellarin	11.53
72.439	Unidentified	0.32
73.019	Unidentified	0.18
73.232	Unidentified	0.08
73.932	Callitrisin	1.75
74.030	Unidentified	0.50
74.219	Callitrisin isomer	0.73
74.380	Columellarin	1.28
74.490	Unidentified	0.13
74.665	Unidentified	0.20
74.785	Unidentified	0.11
75.526	Unidentified	0.20
85.273	Unidentified	0.10
		100.00