

Sample Information

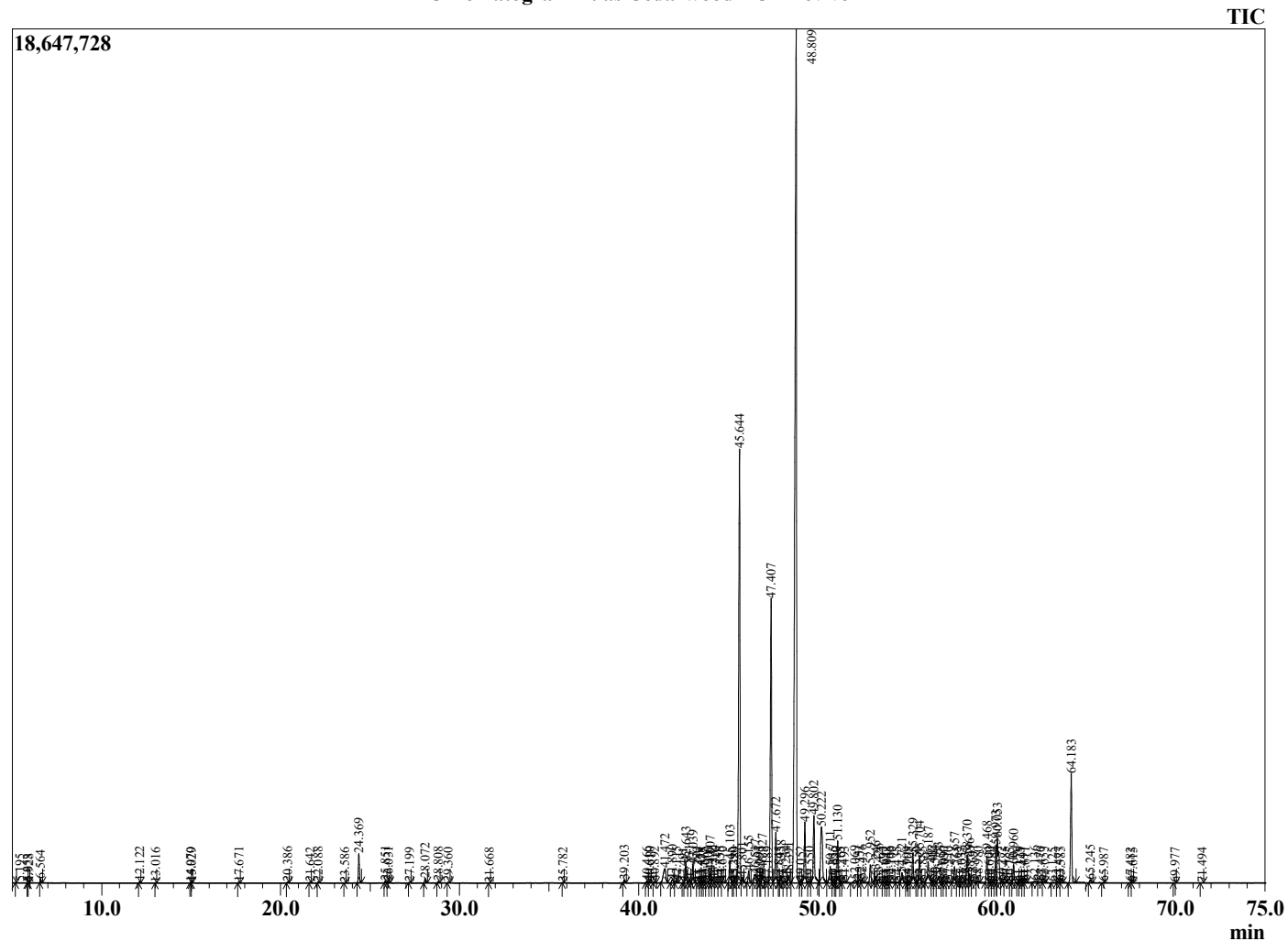
Analyzed by : Dr. Robert S. Pappas
Analyzed : 10/24/2023 6:32:02 AM
Sample Type : Essential Oil
Sample Name : Atlas Cedarwood EO - Revive
Sample ID : 0C
Injection Volume : 0.10
Instrument ID: : GC-4



Peak Report TIC

R.Time	Name	Area%
5.195	4-Methyl pentan-2-one	0.00
5.853	Toluene	0.00
5.928	4-Methyl cyclohexene	0.00
6.564	Mesityl oxide	0.07
12.122	alpha-Pinene	0.03
13.016	Camphene	0.00
14.970	Unidentified	0.01
15.029	Unidentified	0.01
17.671	Limonene	0.02
20.386	para-Cresol	0.03
21.642	para-Cymenene	0.01
22.088	Unidentified	0.02
23.586	alpha-Fenchol	0.01
24.369	4-Acetyl-1-methylcyclohexene	0.80
25.851	Unidentified isomer I	0.05
26.031	Unidentified isomer I	0.05
27.199	Borneol	0.01
28.072	4'-Methyl acetophenone	0.13
28.808	alpha-Terpineol	0.04
29.360	Unidentified	0.01
31.668	Unidentified	0.01
35.782	Carvacrol	0.01
39.203	alpha-Longipinene	0.09
40.466	alpha-Ylangene	0.05
40.610	Unidentified	0.02
40.892	alpha-Copaene + Isodene	0.04
41.472	4,5-Dehydroisolongifolene	0.98
41.890	Unidentified	0.12
42.115	Unidentified	0.07
42.491	Unidentified	0.01
42.643	Sibirene	0.67
42.831	Unidentified	0.11
43.039	Junipene	0.59
43.280	Unidentified	0.01
43.458	alpha-Cedrene	0.02
43.575	Unidentified	0.02
43.665	Unidentified	0.05
43.900	Unidentified	0.04
44.007	alpha-Himachalene	0.42
44.141	Unidentified	0.14
44.316	Unidentified	0.04
44.555	Unidentified	0.07
44.670	Unidentified	0.07
45.103	E-Vestitenone	0.70
45.290	Unidentified	0.01
45.389	Unidentified	0.04
45.644	alpha-Himachalene	15.13
45.801	trans-beta-Farnesene	0.15
46.155	Unidentified	0.38
46.517	Unidentified	0.45
46.697	Unidentified	0.10
46.795	Unidentified	0.03
46.927	alpha-Neocallitropsene	0.49
47.189	Unidentified	0.05
47.407	gamma-Himachalene	9.68
47.672	11-aH-Himachala-1,4-diene	1.74
47.845	Unidentified	0.02
47.958	(Z)-4,10-epoxy-Amorphane	0.25
48.234	alpha-Bulnesene	0.08
48.391	gamma-Elemene	0.23
48.809	beta-Himachalene	38.62
49.052	Unidentified	0.05

Chromatogram Atlas Cedarwood EO - Revive



Comments:

The analysis of this Cedarwood atlas batch sample meets the expected chemical profile for authentic essential oil of Cedrus atlantica.

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%
49.296	a-Dehydro-ar-himachalene	2.05
49.550	Spathulenol	0.03
49.802	delta-Cadinene	2.49
50.222	gamma-Dehydro-ar-himachalene	3.02
50.711	gamma-Vetivenene	0.62
50.855	Unidentified	0.03
51.030	Unidentified	0.02
51.130	alpha-Dehydro-ar-himachalene	1.35
51.265	Unidentified	0.04
51.493	Germacrene B	0.05
52.069	Unidentified + Unidentified	0.13
52.351	beta-Calacorene	0.13
52.476	Unidentified	0.11
52.952	Himachalene epoxide	0.60
53.246	Unidentified	0.21
53.426	Unidentified + Unidentified	0.15
53.697	Unidentified	0.02
53.842	Unidentified	0.03
53.948	Unidentified	0.04
54.100	Unidentified	0.08
54.435	Unidentified	0.03
54.721	Longiborneol	0.40
54.999	Eudesmol analogue	0.04
55.105	Unidentified	0.02
55.329	beta-Himachalene oxide analogue	1.07
55.559	alpha-Colocalene	0.05
55.704	beta-Himachalene oxide analogue	0.90
55.885	Unidentified	0.06
56.187	Epicubenol	1.03
56.402	Unidentified	0.11
56.544	Unidentified	0.08
56.753	Unidentified	0.23
57.030	Unidentified	0.02
57.097	Himachalol analogue	0.09
57.310	Unidentified	0.07
57.657	Himachalol analogue	0.54
57.765	Unidentified	0.03
58.037	Unidentified	0.04
58.237	Unidentified	0.10
58.370	Allohimachalol	1.03
58.496	Unidentified	0.34
58.691	Cadalene	0.11
58.980	Unidentified	0.05
59.468	allo-Himachalol	0.84
59.600	Unidentified	0.02
59.784	Unidentified	0.03
59.973	Deodarone isomer	1.23
60.053	Deodarone isomer + trans-gamma-Atlantone	2.40
60.272	10-nor-Calamenen-10-one	0.01
60.485	Unidentified	0.01
60.765	Unidentified	0.01
60.960	cis-alpha-Atlantone	0.63
61.179	Unidentified	0.01
61.325	Unidentified	0.01
61.497	Unidentified	0.02
61.611	Unidentified	0.03
62.136	Unidentified	0.06
62.470	Unidentified	0.05
62.653	Unidentified	0.03
63.125	Unidentified	0.01
63.477	Unidentified	0.04
63.585	Unidentified	0.02
64.183	trans-alpha-Atlantone	3.62

R.Time	Name	Area%
65.245	Unidentified	0.09
65.987	Unidentified	0.01
67.482	Unidentified	0.01
67.615	Unidentified	0.01
69.977	Unidentified	0.01
71.494	Unidentified	0.01
		100.00