

Sample Information

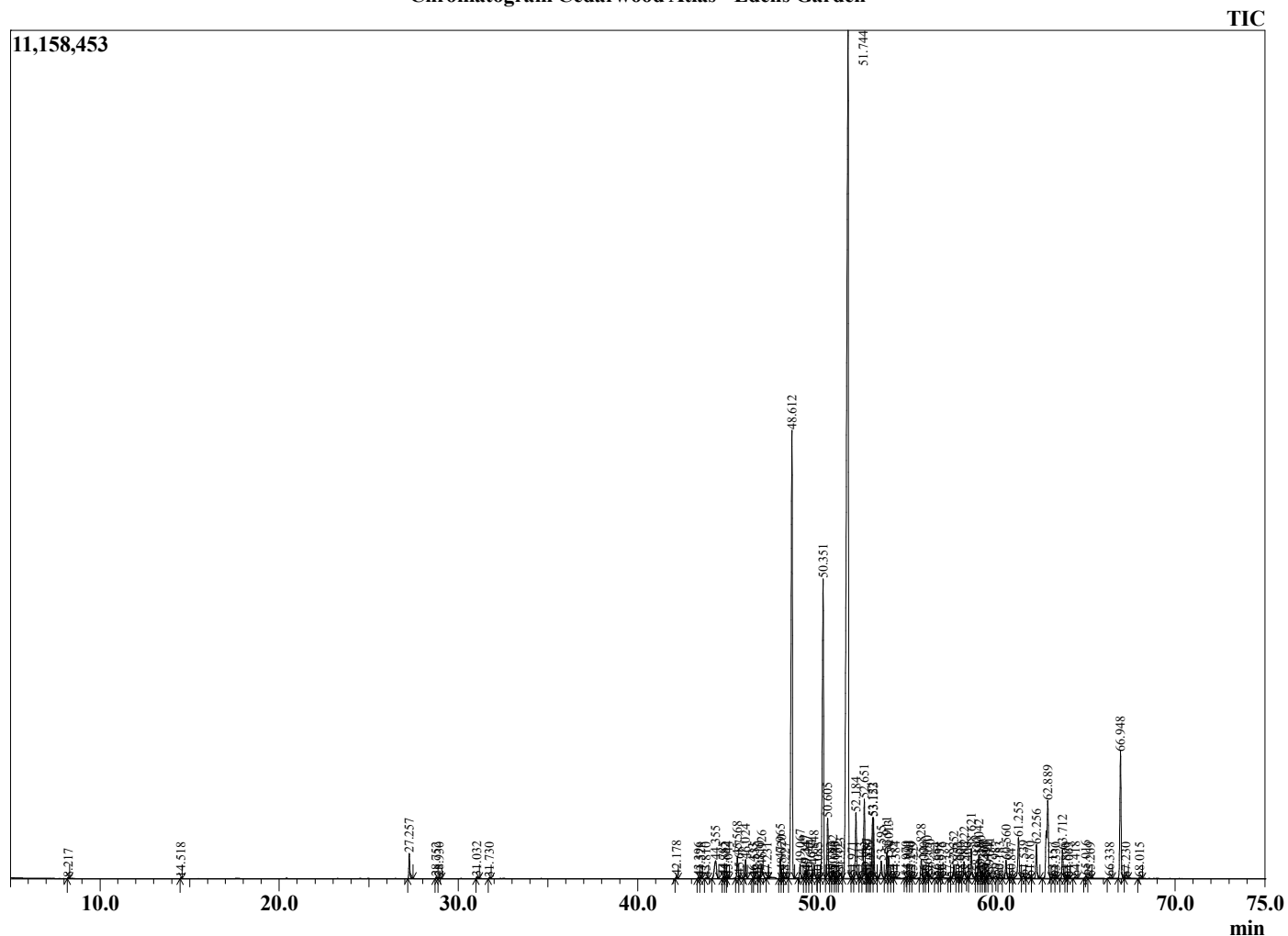
Analyzed by : Dr. Robert S. Pappas
 Analyzed : 7/27/2022 8:58:57 PM
 Sample Type : Essential Oil
 Sample Name : Cedarwood Atlas - Edens Garden
 Sample ID : EG Lot # BB09JD
 Injection Volume : 0.10
 Instrument ID : GC-2



Peak Report TIC

R.Time	Name	Area%
8.217	Mesityl oxide	0.02
14.518	alpha-Pinene	0.02
27.257	4-Acetyl-1-methylcyclohexene	0.63
28.752	alpha-4-Dimethyl-3-Cyclohexene-1-methanol	0.04
28.930	alpha-4-Dimethyl-3-Cyclohexene-1-methanol	0.04
31.032	4-Methyl acetophenone	0.06
31.730	alpha-Terpineol	0.03
42.178	alpha-Longinpinene	0.08
43.396	alpha-Ylangene	0.04
43.528	Unidentified	0.02
43.810	alpha-Copaene	0.04
44.355	4,5-Dehydroisolongifolene	0.96
44.785	Unidentified	0.06
44.882	Sativene	0.04
45.044	Unidentified	0.06
45.568	Sibirene	0.63
45.687	Unidentified	0.12
46.024	Junipene	0.53
46.433	alpha-Cedrene	0.01
46.535	beta-Ylangene	0.06
46.810	Unidentified	0.04
46.926	Himachala-2,4-diene	0.54
47.231	Unidentified	0.01
47.965	E-Vestitenone	0.53
48.020	Himachala-2,4-diene analogue	0.17
48.227	Unidentified	0.04
48.612	alpha-Himachalene	15.00
49.067	Unidentified	0.39
49.347	Unidentified	0.23
49.447	Unidentified	0.22
49.644	Unidentified	0.12
49.848	alpha-Neocallitropsene	0.50
50.085	Unidentified	0.05
50.351	gamma-Himachalene	9.71
50.605	11-alpha-H-Himachala-1,4-diene	1.73
50.782	10s,11s-Himachala-3(12),4-diene	0.04
50.902	cis-4,10-Epoxy amorphane	0.24
51.033	Unidentified	0.05
51.152	Unidentified	0.07
51.323	Unidentified	0.21
51.744	beta-Himachalene	39.35
51.971	Unidentified	0.08
52.184	alpha-dehydro-ar-Himachalene	1.95
52.443	Unidentified	0.03
52.651	delta-Cadinene	2.34
52.787	trans-Calamenene	0.13
52.850	cis-Calamenene	0.10
52.935	Zonarene	0.04
53.122	gamma-dehydro-ar-Himachalene	1.71
53.153	Unidentified	1.39
53.595	9,10-Cycloisolongifolene	0.62
53.911	trans-alpha-Bisabolene	0.78
54.013	alpha-Calacorene	0.64
54.179	Unidentified	0.05
54.384	Germacrene B	0.03
54.970	Unidentified	0.04
55.091	trans-Nerolidol	0.08
55.240	beta-Calacorene	0.05
55.359	Unidentified	0.02
55.828	Himachalene epoxide	0.56
56.000	Unidentified	0.02
56.150	Unidentified	0.23

Chromatogram Cedarwood Atlas - Edens Garden



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.

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R.Time	Name	Area%
56.320	Unidentified	0.11
56.664	Unidentified	0.05
56.838	Unidentified	0.01
56.976	Unidentified	0.02
57.383	Unidentified	0.01
57.652	Longiborneol	0.40
57.852	Eudesmol analogue	0.05
58.000	Unidentified	0.04
58.222	beta-Himachalene oxide	0.61
58.400	Unidentified	0.01
58.621	Unidentified	0.98
58.930	Muurola-4,10(14)-dien-1-beta-ol	0.18
59.042	Epicubenol	0.73
59.160	Himachalol analogue	0.20
59.307	Himachalol analogue	0.09
59.410	Unidentified	0.04
59.491	Unidentified	0.08
59.641	Unidentified	0.19
59.987	Unidentified	0.13
60.183	Unidentified	0.05
60.560	Himachalol	0.56
60.847	Unidentified	0.04
61.255	Allohimachalol	1.56
61.539	Unidentified	0.13
61.870	Unidentified	0.07
62.256	cis-gamma-Atlantone	1.03
62.889	Deodarone isomer + trans-gamma-Atlantone	3.91
63.157	10-nor-Calamenen-10-one	0.07
63.330	Unidentified	0.02
63.712	cis-alpha-Atlantone	0.80
63.890	Unidentified	0.02
64.063	Unidentified	0.02
64.418	Unidentified	0.05
65.016	Unidentified	0.08
65.269	Unidentified	0.05
66.338	Unidentified	0.06
66.948	trans-alpha-Atlantone	3.78
67.230	Unidentified	0.04
68.015	Unidentified	0.04
		100.00