

Sample Information

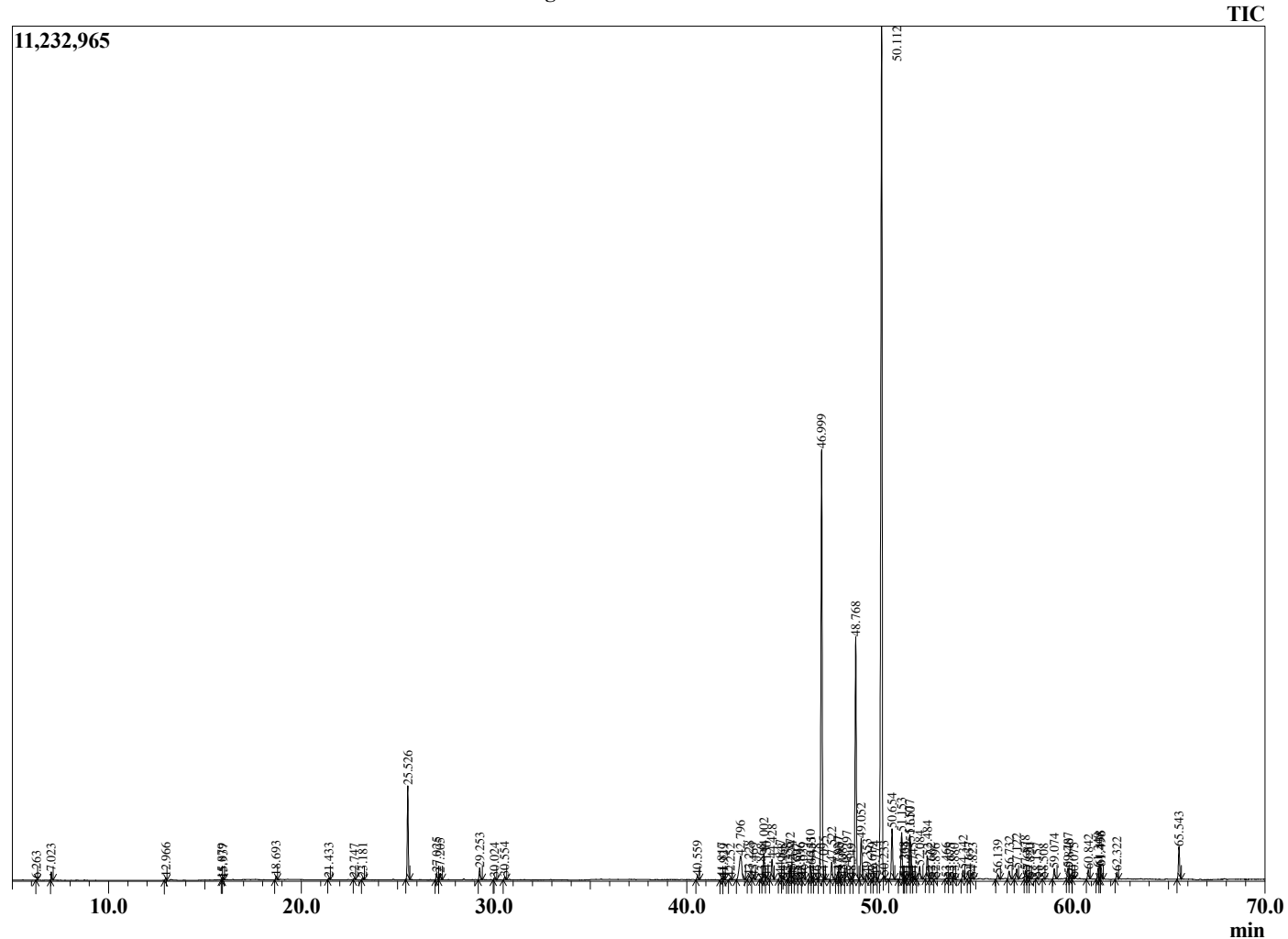
Analyzed by : Dr. Robert S. Pappas
 Analyzed : 11/4/2020 7:40:51 AM
 Sample Type : Essential Oil
 Sample Name : Atlas Cedarwood-Revive
 Sample ID : 6352
 Injection Volume : 0.10
 Instrument ID: : GC-3



Peak Report TIC

R.Time	Name	Area%
6.263	1,3,5-Cycloheptatriene	0.01
7.023	Mesityl oxide	0.20
12.966	alpha-Pinene	0.08
15.879	Unidentified	0.02
15.937	Unidentified	0.03
18.693	Limonene	0.11
21.433	para-Cresol	0.05
22.747	Dehydro-para-cymene	0.04
23.181	Unidentified	0.07
25.526	4-Acetyl-1-methylcyclohexene	3.22
27.025	Unidentified	0.25
27.205	Unidentified	0.23
29.253	4'-methyl-Acetophenone	0.43
30.024	alpha-Terpineol	0.08
30.554	Unidentified	0.10
40.559	alpha-Longipinene	0.16
41.817	alpha-Ylangene	0.08
41.929	Unidentified	0.03
42.252	alpha-Copaene	0.08
42.796	Unidentified	2.02
43.228	Unidentified	0.21
43.469	Unidentified	0.10
43.868	Unidentified	0.04
44.002	alpha-Gurjunene	1.06
44.130	Unidentified	0.14
44.428	Junipene	0.87
44.847	alpha-Cedrene	0.20
44.968	beta-Ylangene	0.05
45.255	Unidentified	0.06
45.372	Himachala-2,4-diene	0.54
45.474	Unidentified	0.15
45.697	Unidentified	0.06
45.896	Unidentified	0.09
46.039	Unidentified	0.14
46.410	(E)-Vestitenone	0.57
46.455	Himachaladiene isomer	0.19
46.728	Unidentified	0.07
46.999	alpha-Himachalene	17.66
47.095	(E)-beta-Farnesene	0.19
47.522	Unidentified	0.72
47.837	Unidentified	0.31
47.907	Unidentified	0.33
48.087	Unidentified	0.17
48.297	alpha-Neocallitropsene	0.64
48.549	Unidentified	0.06
48.768	gamma-Himachalene	10.19
49.052	11-alpha-H-Himachala-1,4-diene	1.78
49.353	(Z)-4,10-Epoxy amorphane	0.24
49.619	Unidentified	0.08
49.774	Unidentified	0.18
50.112	beta-Himachalene	39.54
50.233	Unidentified	0.02
50.654	a-dehydro-ar-Himachalene	2.13
51.153	delta-Cadinene	2.03
51.268	Unidentified	0.06
51.334	Unidentified	0.09
51.577	gamma-dehydro-ar-Himachalene	1.84
51.610	Unidentified	1.11
51.745	Unidentified	0.05
52.084	gamma-Vetivenene	0.60
52.484	Unidentified	1.08
52.662	Unidentified	0.04

Chromatogram Atlas Cedarwood-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%
52.896	Unidentified	0.04
53.466	Unidentified	0.05
53.675	trans-Nerolidol	0.08
53.880	Unidentified	0.03
54.342	Himachalene epoxide	0.40
54.637	Unidentified	0.11
54.823	Unidentified	0.07
56.139	Longiborneol	0.21
56.732	beta-Himachalene oxide	0.42
57.122	Unidentified	0.47
57.578	1-epi-Cubenol	0.40
57.681	Unidentified	0.14
57.820	Unidentified	0.05
58.157	Unidentified	0.07
58.508	Himachalol isomer	0.02
59.074	beta-Himachalol	0.43
59.787	(Z)-gamma-Atlantone	0.49
59.840	Unidentified	0.15
60.075	Unidentified	0.05
60.842	allo-Himachalol	0.38
61.349	Deodarone isomer	0.45
61.438	Unidentified	0.52
61.496	Deodarone isomer	0.39
62.322	(Z)-alpha-Atlantone	0.27
65.543	(E)-alpha-Atlantone	1.33
		100.00