

Sample Information

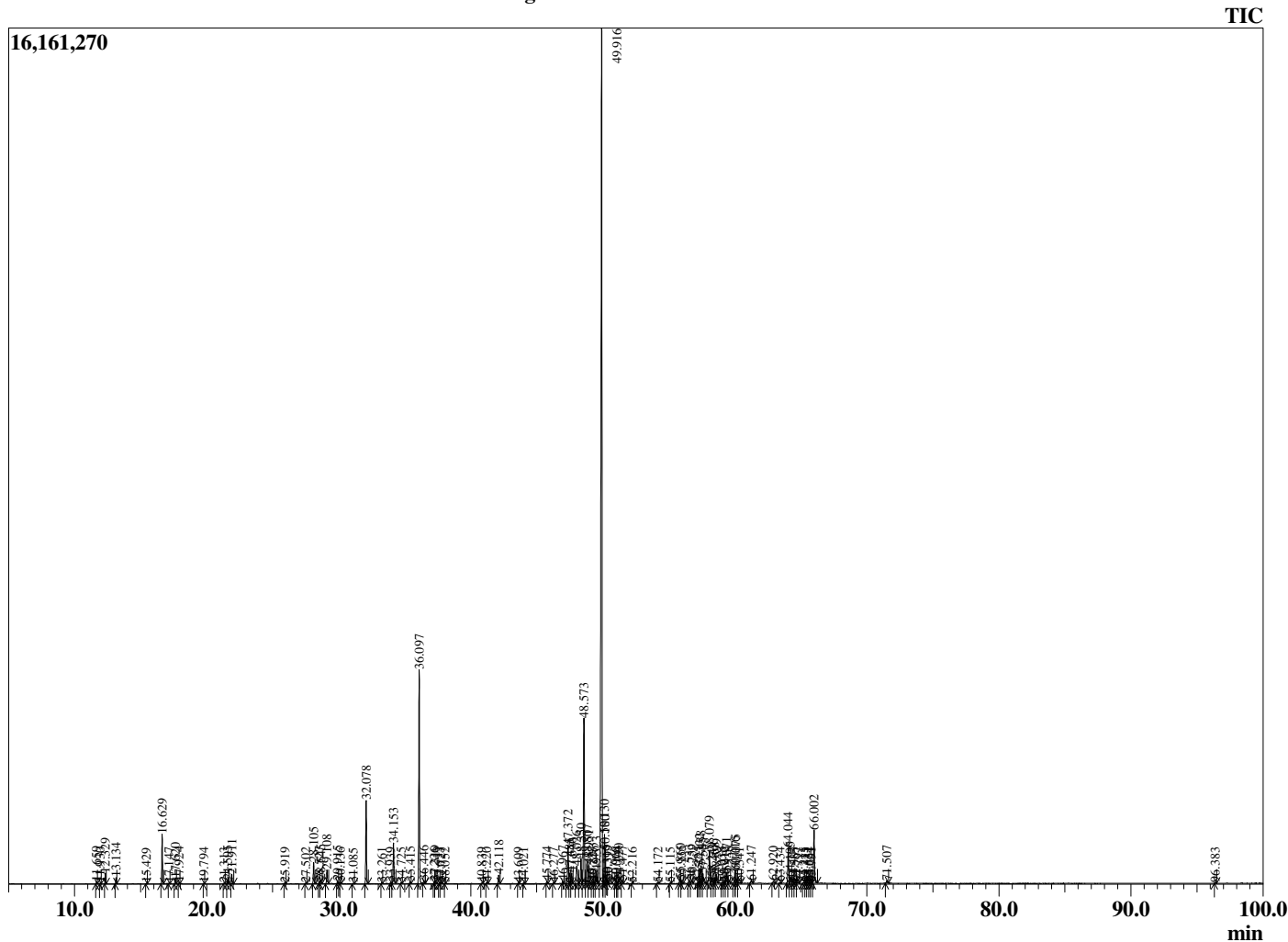
Analyzed by : Dr. Robert S. Pappas
 Analyzed : 3/6/2021 8:47:39 PM
 Sample Type : Essential Oil
 Sample Name : Nootka Tree - Edens Garden
 Sample ID : BB22AR
 Injection Volume : 0.10
 Instrument ID : GC-4



Peak Report TIC

R.Time	Name	Area%
11.659	Unidentified	0.06
11.930	Unidentified	0.03
12.329	alpha-Pinene	0.31
13.134	alpha-Fenchene	0.19
15.429	Myrcene	0.02
16.629	delta-3-Carene	1.66
17.147	alpha-Terpinene	0.03
17.620	para-Cymene	0.21
17.924	Limonene	0.06
19.794	gamma-Terpinene	0.02
21.313	Unidentified	0.04
21.595	Terpinolene	0.13
21.911	para-Cymenene	0.33
25.919	Unidentified	0.04
27.502	Borneol	0.04
28.105	Terpinen-4-ol	0.83
28.527	para-Cymen-8-ol	0.07
28.645	Terpineol isomer	0.16
29.108	alpha-Terpineol	0.62
29.915	Unidentified	0.11
30.136	Unidentified	0.04
31.085	3-Isopropylphenol	0.03
32.078	Carvacrol methyl ether	3.27
33.261	Carvenone	0.04
33.939	Unidentified	0.06
34.153	trans-Shisool	1.68
34.725	Unidentified	0.04
35.415	Unidentified	0.08
36.097	Carvacrol	8.73
36.446	Unidentified	0.11
37.236	Unidentified	0.05
37.319	Unidentified	0.11
37.633	Unidentified	0.03
37.727	Unidentified	0.05
38.052	Unidentified	0.02
40.839	Unidentified	0.04
41.220	alpha-Copaene	0.05
42.118	beta-Elemene	0.38
43.609	Unidentified	0.03
44.021	trans-beta-Caryophyllene	0.05
45.774	Unidentified	0.10
46.277	Unidentified	0.05
46.967	11,12,13-tri-nor-cis-Eudesm-5-en-7-one	0.11
47.372	Unidentified	1.88
47.485	trans-Cadina-1(6),4-diene	0.53
47.646	(Z)-4,10-Epxoy amorphane	0.52
48.026	beta-Chamigrene	1.15
48.350	beta-Selinene	1.19
48.573	Valencene	7.38
48.807	alpha-Selinene	1.34
48.951	alpha-Muurolene	0.86
49.227	Unidentified	0.11
49.346	4-epi-cis-Dihydroagarofuran	0.06
49.523	beta-Bisabolene	0.54
49.916	Nootkatene	47.02
50.130	delta-Cadinene	2.30
50.180	(-)-alpha-Panasinsen	1.33
50.315	trans-Calamenene	0.03
50.399	Zonarene	0.07
50.968	trans-Cadina-1,4-diene	0.10
51.070	Unidentified	0.04
51.220	alpha-Cadinene	0.21

Chromatogram Nootka Tree - Edens Garden



Comments:

The analysis of this Nootka Tree batch sample meets the expected chemical profile for authentic essential oil of *Cupressus nootkatensis*. 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%
51.477	alpha-Calacorene	0.13
52.216	beta-Vetivenene	0.02
54.172	Unidentified	0.05
55.115	Unidentified	0.03
55.860	Unidentified	0.24
55.935	Unidentified	0.09
56.533	1-epi-Cubenol	0.17
56.759	gamma-Eudesmol	0.16
57.225	Unidentified	0.03
57.332	tau-Cadinol	0.66
57.438	epi-alpha-Cadinol	1.01
57.585	delta-Cadinol	0.54
58.079	alpha-Cadinol	1.65
58.249	Unidentified	0.35
58.468	Pogostol	0.27
58.599	Unidentified	0.44
59.038	Unidentified	0.03
59.212	Unidentified	0.07
59.371	Unidentified	0.53
59.538	Unidentified	0.14
60.016	Unidentified	0.49
60.075	Unidentified	0.63
60.341	Unidentified	0.05
61.247	Unidentified	0.16
62.920	Unidentified	0.12
63.434	Unidentified	0.05
64.044	13-Hydroxy valencene	1.67
64.195	Unidentified	0.41
64.407	Unidentified	0.13
64.535	Unidentified	0.05
64.797	Unidentified	0.04
65.215	Unidentified	0.06
65.375	Unidentified	0.03
65.521	Unidentified	0.04
65.654	Unidentified	0.04
65.791	Unidentified	0.03
66.002	Nootkatone	2.49
71.507	Unidentified	0.11
96.383	Unidentified	0.02
		100.00