

Sample Information

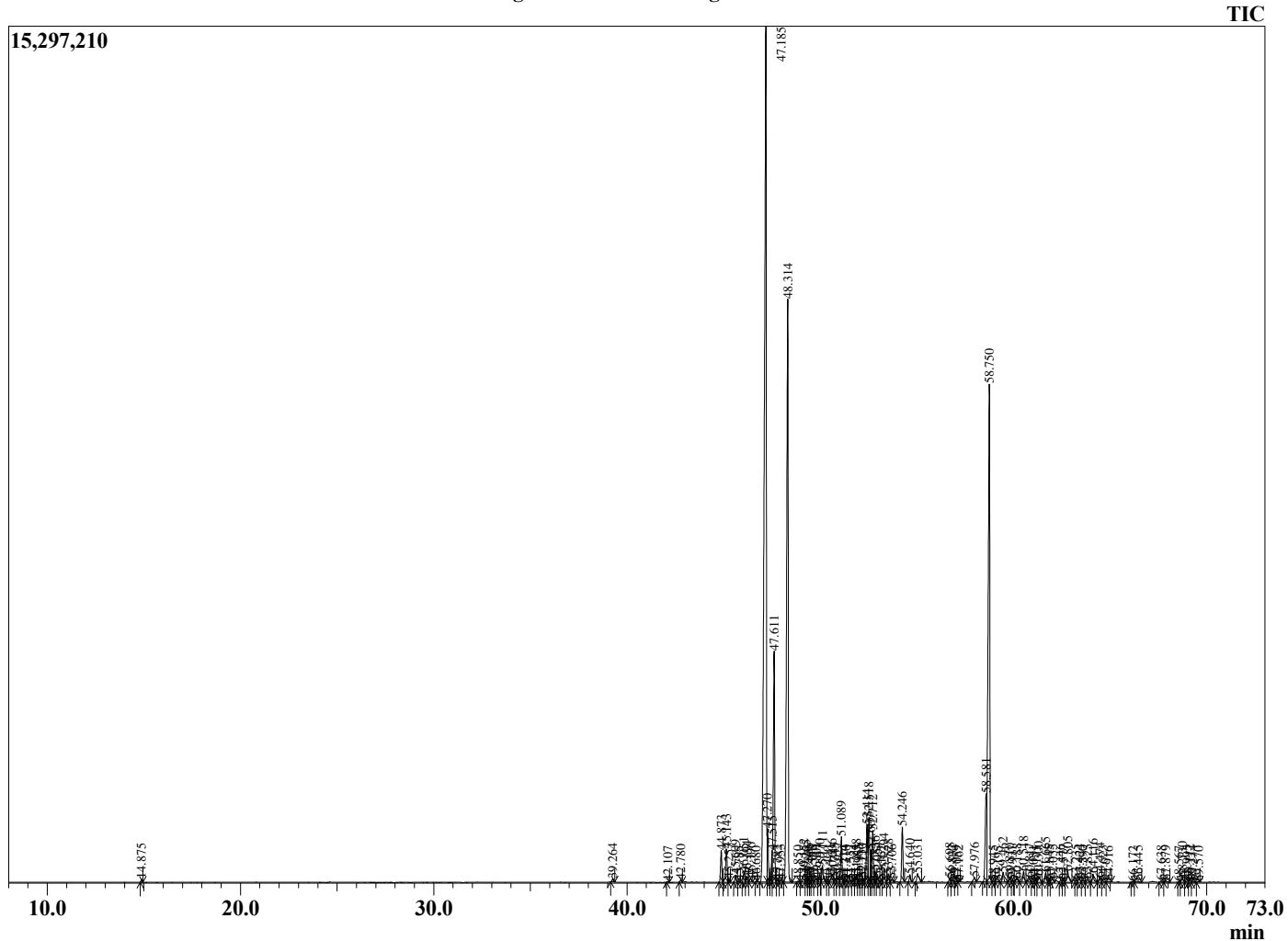
Analyzed by : Dr. Robert S. Pappas
 Analyzed : 11/20/2020 12:30:19 AM
 Sample Type : Essential Oil
 Sample Name : Cedarwood Virginian - Barefut
 Sample ID : 0103
 Injection Volume : 0.10
 Instrument ID: : GC-3



Peak Report TIC

R.Time	Name	Area%
14.875	alpha-Pinene	0.06
39.264	Unidentified	0.09
42.107	Unidentified	0.02
42.780	Unidentified	0.06
44.873	Isoitalicene	0.80
45.143	alpha-Duprezianene	1.07
45.257	Unidentified	0.07
45.609	Isolongifolene	0.18
45.785	Unidentified	0.02
46.051	beta-Longipinene	0.27
46.194	alpha-Funebrene	0.14
46.396	Di-epi-alpha-cedrene	0.11
46.680	Unidentified	0.01
47.185	alpha-Cedrene	34.81
47.270	trans-beta-Caryophyllene	1.17
47.515	Unidentified	0.55
47.611	beta-Cedrene	6.14
47.782	Unidentified	0.06
47.953	(+)-epi-Bicyclosquiphellandrene	0.06
48.314	cis-Thujopsene	18.30
48.850	Unidentified	0.03
49.152	Unidentified	0.27
49.265	Prezizaene	0.19
49.376	Unidentified	0.08
49.480	alpha-Humulene	0.03
49.588	Prezizaene isomer	0.04
49.801	Unidentified	0.13
49.970	alpha-Acoradiene	0.20
50.111	beta-Acoradiene	0.46
50.400	Unidentified	0.01
50.606	10-epi-beta-Acoradiene	0.33
50.745	gamma-Curcumene	0.11
50.927	Ar-Curcumene	0.16
51.089	beta-Chamigrene	1.14
51.214	Unidentified	0.04
51.310	Unidentified	0.02
51.537	beta-Selinene	0.05
51.734	Valencene	0.06
51.858	beta-Alaskene	0.21
51.965	alpha-Selinene	0.07
52.130	Unidentified	0.10
52.213	beta-Himachalene	0.10
52.414	alpha-Cuprenene	1.52
52.518	Pseudowiddrene	1.72
52.607	alpha-Chamigrene	0.72
52.712	Cuparene	1.39
52.836	alpha-Alaskene	0.28
52.954	Unidentified	0.14
53.162	Unidentified	0.05
53.294	Unidentified	0.39
53.528	beta-Sesquiphellandrene	0.25
53.706	(E)-gamma-Bisabolene	0.09
54.246	gamma-Cuprenene	1.42
54.640	Viridiflorol	0.18
55.031	delta-Cuprenene	0.36
56.698	Unidentified	0.11
56.832	Spathulenol	0.06
57.059	Caryophyllene oxide	0.03
57.162	Unidentified	0.02
57.976	Funebrol	0.17
58.581	Widdrol	2.73
58.750	Cedrol	16.76

Chromatogram Cedarwood Virginian - Barefut



Comments:

The analysis of this Cedarwood batch sample meets the expected chemical profile for authentic essential oil of *Juniperus virginiana*. 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%
58.945	Unidentified	0.03
59.195	Unidentified	0.02
59.462	Epicedrol	0.28
59.810	Unidentified	0.11
59.937	Unidentified	0.04
60.188	beta-Acorenol	0.12
60.518	Unidentified	0.33
60.817	Unidentified	0.14
61.031	Unidentified	0.03
61.175	Unidentified	0.06
61.300	Unidentified	0.24
61.665	Unidentified	0.30
61.845	Unidentified	0.07
62.035	beta-Bisabolol	0.15
62.446	Unidentified	0.07
62.577	Unidentified	0.06
62.805	alpha-Bisabolol	0.42
63.235	Unidentified	0.06
63.424	Unidentified	0.13
63.590	Unidentified	0.07
63.825	Unidentified	0.09
64.116	14-Hydroxy-9-epi-Z-Caryophyllene	0.25
64.474	Unidentified	0.13
64.623	Unidentified	0.05
64.916	Unidentified	0.03
66.172	Unidentified	0.02
66.445	Unidentified	0.05
67.638	Unidentified	0.04
67.879	Unidentified	0.06
68.567	Unidentified	0.01
68.730	Unidentified	0.16
68.995	Unidentified	0.06
69.112	Nootkatone	0.08
69.274	Unidentified	0.04
69.570	Unidentified	0.01
		100.00