

Sample Information

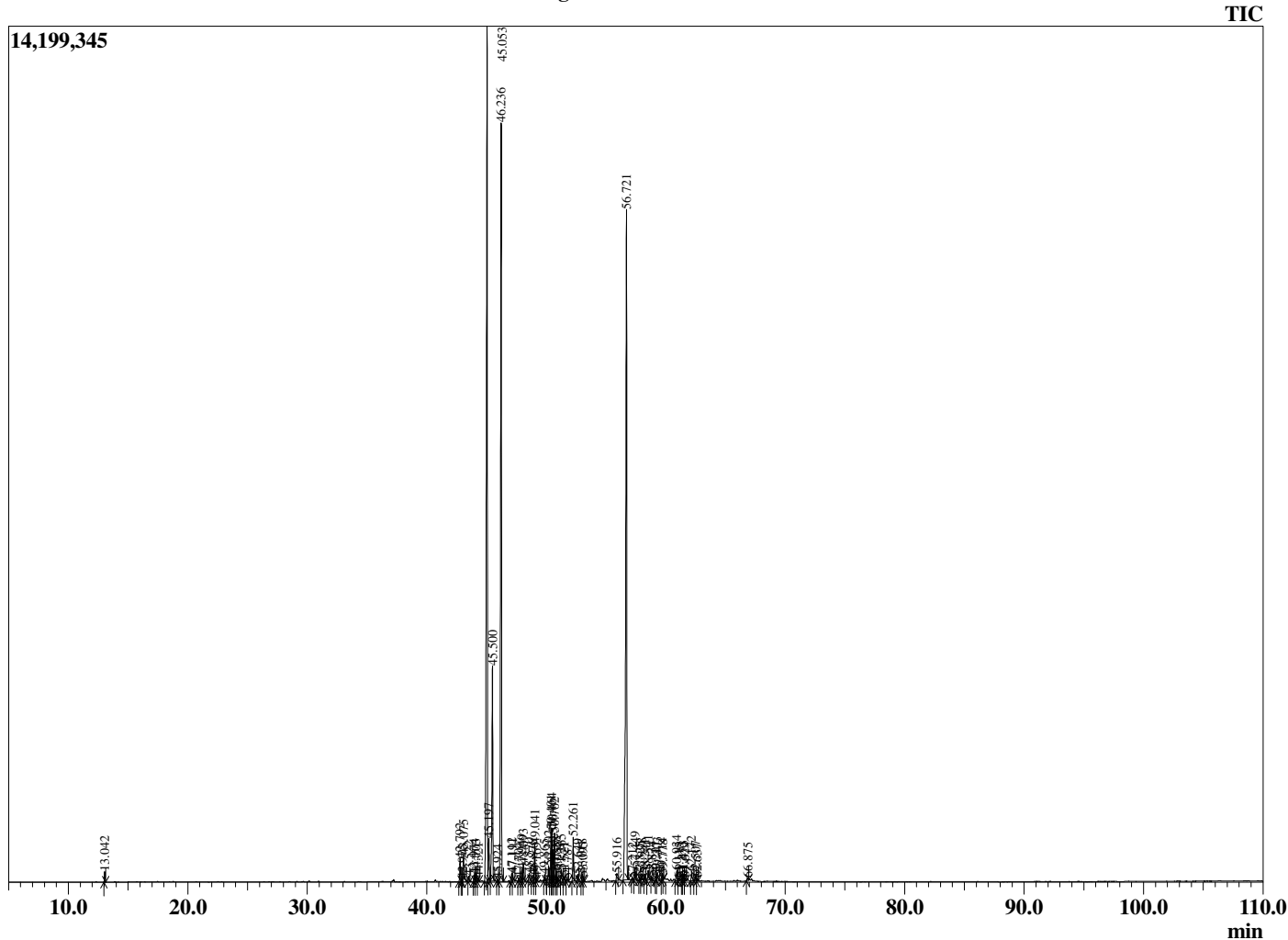
Analyzed by : Dr. Robert S. Pappas  
 Analyzed : 4/25/2020 5:06:49 AM  
 Sample Type : Essential Oil  
 Sample Name : Cedarwood - Barefut  
 Sample ID : 0105  
 Injection Volume : 0.10  
 Instrument ID : GC-3



Peak Report TIC

R.Time	Name	Area%
13.042	alpha-Pinene	0.19
42.792	Isoitalicene	0.57
42.975	Unidentified	0.05
43.075	di-epi-alpha-Cedrene	0.94
43.522	Unidentified	0.13
43.974	Junipene	0.18
44.103	alpha-Funebrene	0.19
44.321	Unidentified	0.10
45.053	alpha-Cedrene	28.44
45.197	beta-Caryophyllene	1.18
45.500	beta-Cedrene	6.01
45.924	Unidentified	0.05
46.236	cis-Thujopsene	22.67
47.112	alpha-Himachalene	0.25
47.191	Prezizaene	0.27
47.704	Unidentified	0.10
47.949	alpha-Acoradiene	0.31
48.093	beta-Acoradiene	0.48
48.570	10-epi-beta-Acoradiene	0.21
48.876	gamma-Himachalene	0.22
49.041	beta-Chamigrene	1.00
49.169	Unidentified	0.08
49.865	beta-Alaskene	0.17
50.202	beta-Himachalene	0.48
50.401	alpha-Cuprenene	1.25
50.464	Pseudowiddrene	1.35
50.576	alpha-Chamigrene	0.78
50.702	Cuparene	1.36
50.858	alpha-Alaskene	0.30
50.936	Unidentified	0.09
51.265	Dihydrothujopsene	0.34
51.521	Cuprenene isomer	0.17
51.787	trans-gamma-Bisabolene	0.08
52.261	gamma-Cuprenene	1.13
52.649	Unidentified	0.18
53.018	delta-Cuprenene	0.21
53.095	Unidentified	0.09
55.916	Unidentified	0.30
56.721	Cedrol	24.95
57.212	Unidentified	0.05
57.449	Epicedrol	0.35
57.825	Unidentified	0.06
57.998	alpha-Acorenol	0.17
58.241	beta-Acorenol	0.15
58.541	1,7-di-epi-Cedrenal	0.29
58.834	Unidentified	0.07
59.217	Unidentified	0.08
59.303	Unidentified	0.30
59.714	Unidentified	0.19
59.778	beta-Himachalol	0.08
60.934	alpha-Bisabolol	0.35
61.115	Khusian-2-ol	0.08
61.373	Unidentified	0.09
61.473	Unidentified	0.13
61.629	Cedr-8-en-15-ol	0.07
62.172	Unidentified	0.31
62.507	Unidentified	0.14
62.637	Cedrandione	0.06
66.875	Unidentified	0.10
		100.00

Chromatogram Cedarwood - Barefut



Comments:

The analysis of this Texas Cedarwood batch sample meets the expected chemical profile for authentic essential oil of *Juniperus mexicana*. 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.