

Sample Information

Analyzed by : Dr. Robert S. Pappas
 Analyzed : 9/24/2019 10:58:52 PM
 Sample Type : Essential Oil
 Sample Name : Cedarwood - Barefut
 Sample ID : 0104
 Injection Volume : 0.10
 Instrument ID: : GC-4

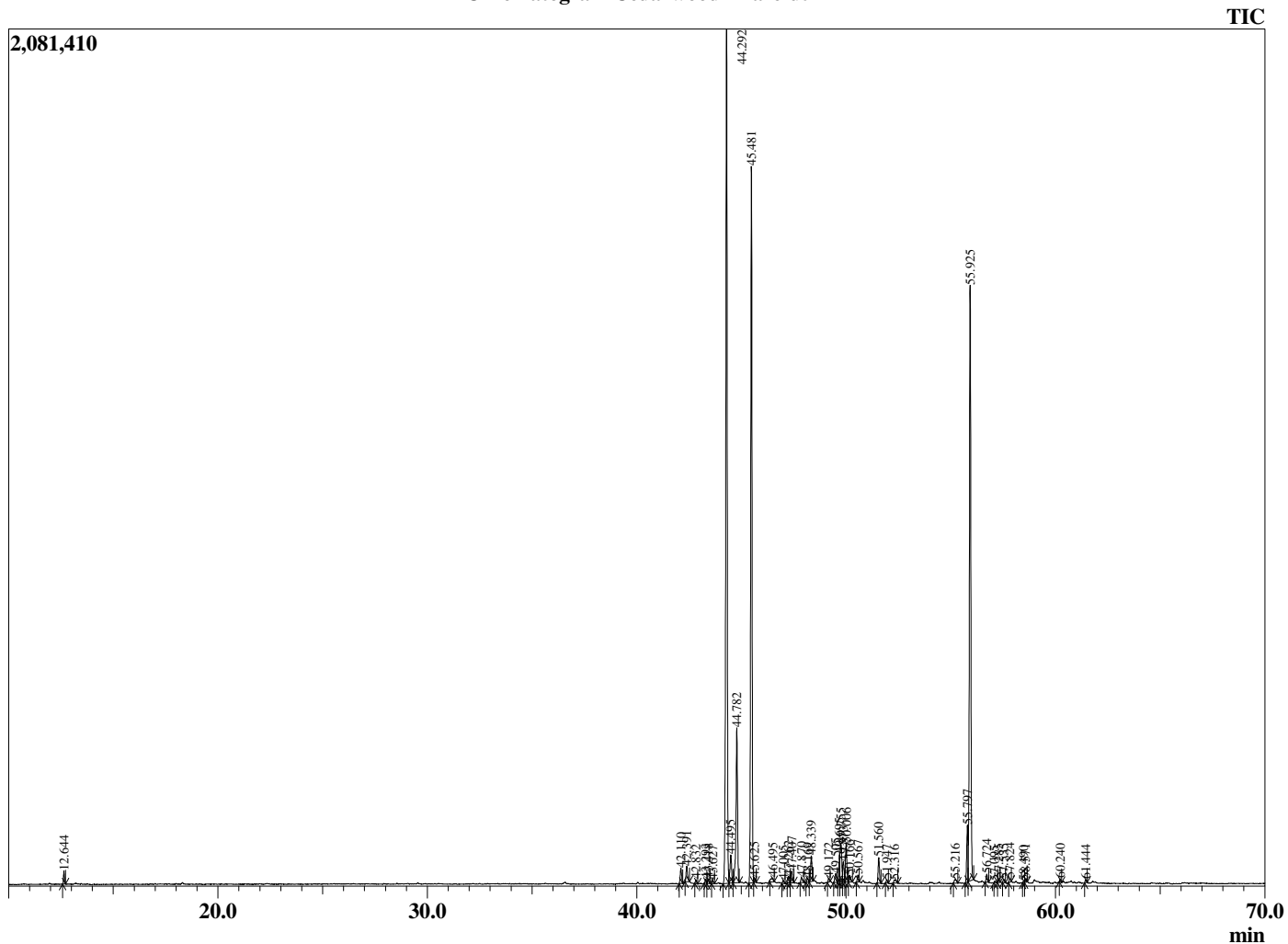


Peak Report TIC

R.Time	Name	Area%
12.644	alpha-Pinene	0.32
42.110	alpha-Funebrene	0.54
42.391	di-epi-alpha-Cedrene	0.61
42.832	Isolongifolene	0.12
43.293	Junipene	0.14
43.418	cis-alpha-Bergamotene	0.16
43.627	Cedarwood unidentified	0.09
44.292	alpha-Cedrene	31.78
44.495	beta-Caryophyllene	1.19
44.782	beta-Cedrene	6.08
45.481	Z-Thujopsene	24.44
45.625	Cedarwood unidentified	0.15
46.495	Cedarwood unidentified	0.25
47.005	Cedarwood unidentified	0.10
47.262	alpha-Acoradiene	0.25
47.407	beta-Acoradiene	0.44
47.870	Cedarwood unidentified	0.21
48.169	Cedarwood unidentified	0.15
48.339	beta-Chamigrene	0.92
49.172	beta-Alaskene	0.12
49.505	Cedarwood unidentified	0.35
49.695	Cedarwood unidentified	0.69
49.755	Cedrene-V6	1.59
49.873	alpha-Chamigrene	0.73
50.006	Cuparene	1.37
50.166	alpha-Alaskene	0.27
50.567	Cedarwood unidentified	0.22
51.560	gamma-Cuprene	0.88
51.947	Cedarwood unidentified	0.11
52.316	Cedarwood unidentified	0.19
55.216	Cedarwood unidentified	0.21
55.797	Widdrol	1.95
55.925	Cedrol	22.27
56.724	Cedarwood unidentified	0.27
57.095	Cedarwood unidentified	0.06
57.285	alpha-Acorneol	0.13
57.535	beta-Acorneol	0.12
57.824	Cedarwood unidentified	0.14
58.490	Cedarwood unidentified	0.06
58.571	Cedarwood unidentified	0.14
60.240	Cedarwood unidentified	0.10
61.444	Cedarwood unidentified	0.09
		100.00

This report is valid for 1 year from the analyzed date.

Chromatogram Cedarwood - Barefut



Comments:

The analysis of this Cedarwood, USA batch sample meets the expected chemical profile for authentic essential oil of *Juniperus mexicana*. No contamination or adulteration was detected.