

Sample Information

Analyzed by : Dr. Robert S. Pappas
 Analyzed : 7/26/2019 12:54:51 PM
 Sample Type : Essential Oil
 Sample Name : Virginia Cedarwood - Helias
 Sample ID : P170426AR
 Injection Volume : 0.10
 Instrument ID : GC-4

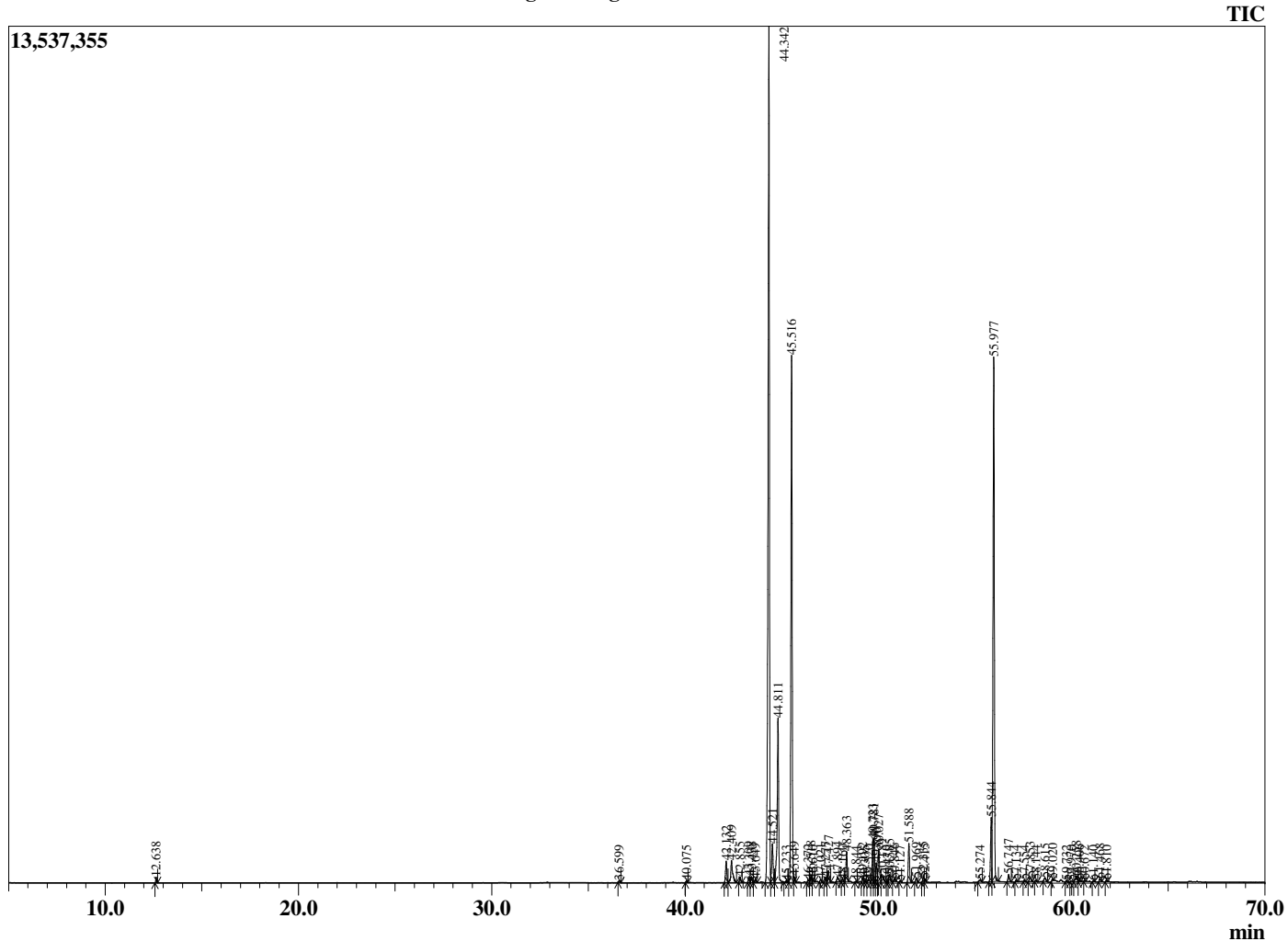


Peak Report TIC

R.Time	Name	Area%
12.638	alpha-Pinene	0.14
36.599	Unidentified	0.06
40.075	Unidentified	0.05
42.132	Isoitalicene	0.76
42.409	alpha-Duprezanene	1.17
42.855	Isolongifolene	0.19
43.309	beta-Longipinene	0.21
43.438	alpha-Funebrene	0.21
43.649	di-epi-alpha-Cedrene	0.12
44.342	alpha-Cedrene	34.75
44.521	beta-Caryophyllene	1.53
44.811	beta-Cedrene	6.55
45.233	Unidentified	0.05
45.516	cis-Thujopsene	18.68
45.649	Isobazzanene	0.17
46.372	beta-Barbatene	0.10
46.518	Prezizaene	0.23
46.610	Unidentified	0.07
47.021	Unidentified	0.12
47.277	alpha-Acoradiene	0.17
47.427	beta-Acoradiene	0.40
47.894	10-epi-beta-Acoradiene	0.21
48.160	Unidentified	0.08
48.363	beta-Chamigrene	1.04
48.844	beta-Selinene	0.03
49.192	alpha-Alaskene	0.17
49.305	Unidentified	0.04
49.520	beta-Himachalene	0.13
49.723	alpha-Cuprenene	1.44
49.781	Pseudowiddrene	1.44
49.896	alpha-Chamigrene	0.65
50.027	Cuparene	1.32
50.189	alpha-Alaskene	0.38
50.470	Unidentified	0.03
50.585	Dihydrothujopsene	0.31
50.846	Unidentified	0.11
51.127	trans-gamma-Bisabolene	0.04
51.588	gamma-Cuprenene	1.41
51.969	Unidentified	0.17
52.335	delta-Cuprenene	0.19
52.415	Unidentified	0.09
55.274	Funebrol	0.13
55.844	Widdrol	2.15
55.977	Cedrol	21.08
56.747	Unidentified	0.27
57.134	Unidentified	0.06
57.554	alpha-Acorenol	0.06
57.853	1,7-di-epi-alpha-Cedrenal	0.20
58.144	Unidentified	0.05
58.615	Unidentified	0.17
59.020	Unidentified	0.07
59.732	Unidentified	0.05
59.970	Unidentified	0.06
60.258	alpha-Bisabolol	0.29
60.406	Unidentified	0.08
60.672	Unidentified	0.03
61.140	Unidentified	0.04
61.468	cis-Thujopsenal	0.12
61.810	trans-Thujopsenal	0.05
		100.00

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

Chromatogram Virginia Cedarwood - Helias



Comments:

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