

Sample Information

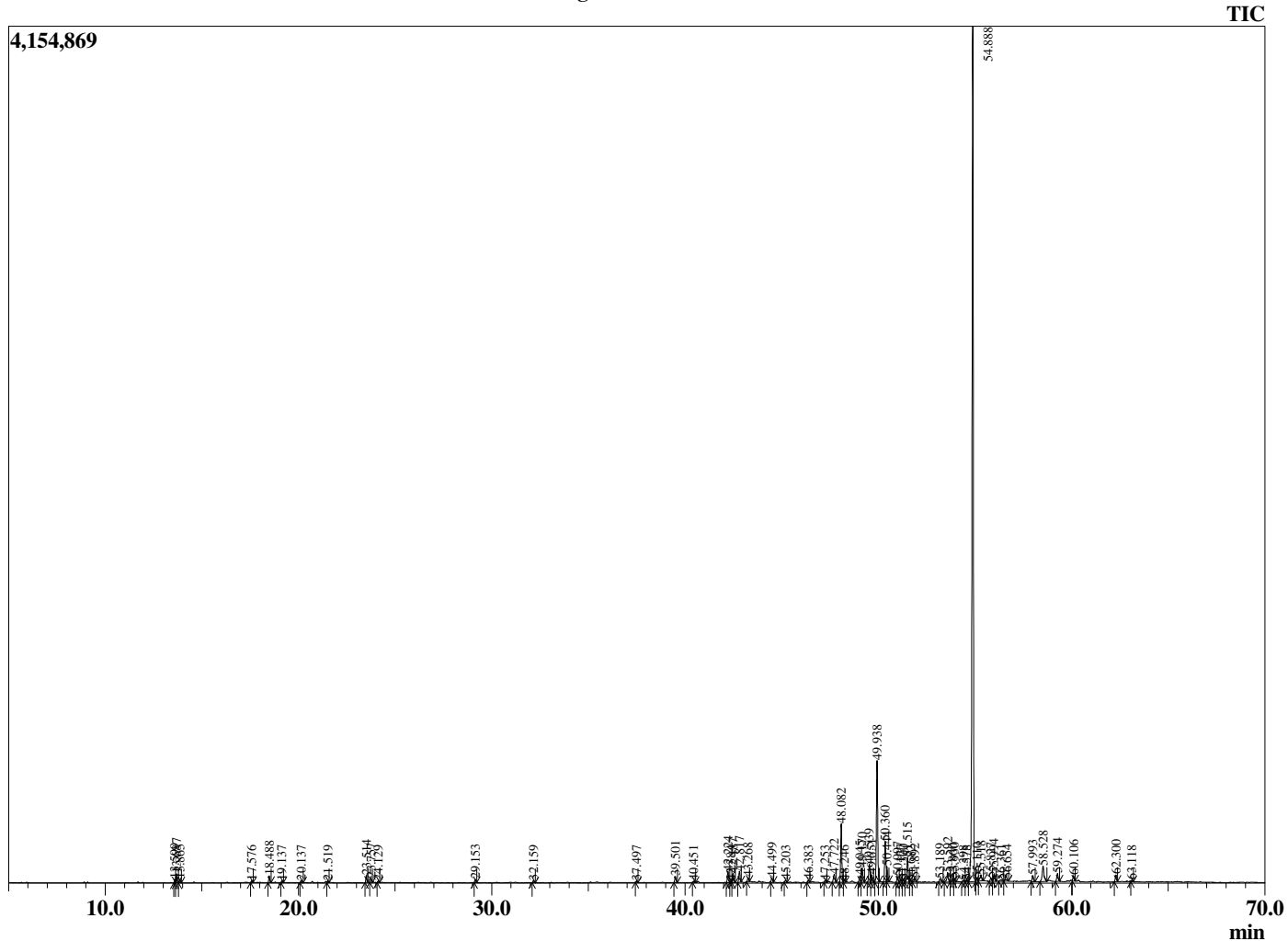
Analyzed by : Dr. Robert S. Pappas
 Analyzed : 12/12/2019 4:19:41 PM
 Sample Type : Essential Oil
 Sample Name : Davana - Barefut
 Sample ID : 0101
 Injection Volume : 0.10
 Instrument ID : GC-3



Peak Report TIC

R.Time	Name	Area%
13.599	Propyl 2-methylbutyrate	0.18
13.687	Unidentified	0.47
13.865	Propyl isovalerate	0.18
17.576	Unidentified	0.11
18.488	para-Cymene	0.37
19.137	gamma-vinyl Valerlactone	0.10
20.137	Unidentified	0.12
21.519	trans-Sabinene hydrate	0.09
23.514	Linalool	0.41
23.757	2-Methylbutyl-2-methylbutyrate	0.23
24.129	2-Methylbutyl isovalerate	0.11
29.153	Terpinen-4-ol	0.19
32.159	Nordavanone	0.13
37.497	(Z)-Methyl cinnamate	0.10
39.501	delta-Elemene	0.43
40.451	Ethyl hydrocinnamate	0.09
42.224	(Z)-Ethyl cinnamate	0.74
42.384	beta-Cubebene	0.10
42.487	Geranyl acetate	0.64
42.817	(E)-Methyl cinnamate	0.75
43.268	beta-Elemene	0.25
44.499	Unidentified	0.33
45.203	beta-Caryophyllene	0.14
46.383	Aromadendrene	0.15
47.253	Unidentified	0.11
47.722	Alloaromadendrene	0.69
48.082	(E)-Ethyl cinnamate	3.84
48.246	Unidentified	0.13
49.045	Germacrene D	0.47
49.170	Davana ether I	1.00
49.539	beta-Selinene	1.33
49.651	Viridiflorene (Ledene)	0.52
49.938	Bicyclogermacrene	8.52
50.360	Davana ether II	2.96
50.444	Davana ether III	0.81
50.997	gamma-Cadinene	0.38
51.177	Unidentified	0.19
51.300	delta-Cadinene	0.19
51.515	Davana ether IV	1.81
51.682	Unidentified	0.11
51.892	Unidentified	0.27
53.189	Davanone B isomer	0.28
53.592	Davanone B	0.86
53.860	trans-Nerolidol	0.24
53.930	Davanone isomer	0.26
54.398	Unidentified	0.14
54.578	Unidentified	0.14
54.888	Davanone	62.37
55.110	Unidentified	0.36
55.318	Globulol	0.61
55.827	Viridiflorol	0.25
55.994	Unidentified	0.57
56.361	Unidentified	0.20
56.654	Unidentified	0.24
57.993	Unidentified	0.46
58.528	alpha-Muurolol (=Torreyol)	1.62
59.274	alpha-Eudesmol	0.63
60.106	Unidentified	0.43
62.300	Unidentified	0.49
63.118	Unidentified	0.10
		100.00

Chromatogram Davana - Barefut



Comments:

The analysis of this Davana batch sample meets the expected chemical profile for authentic essential oil of *Artemisia pallens*. 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.