

Sample Information

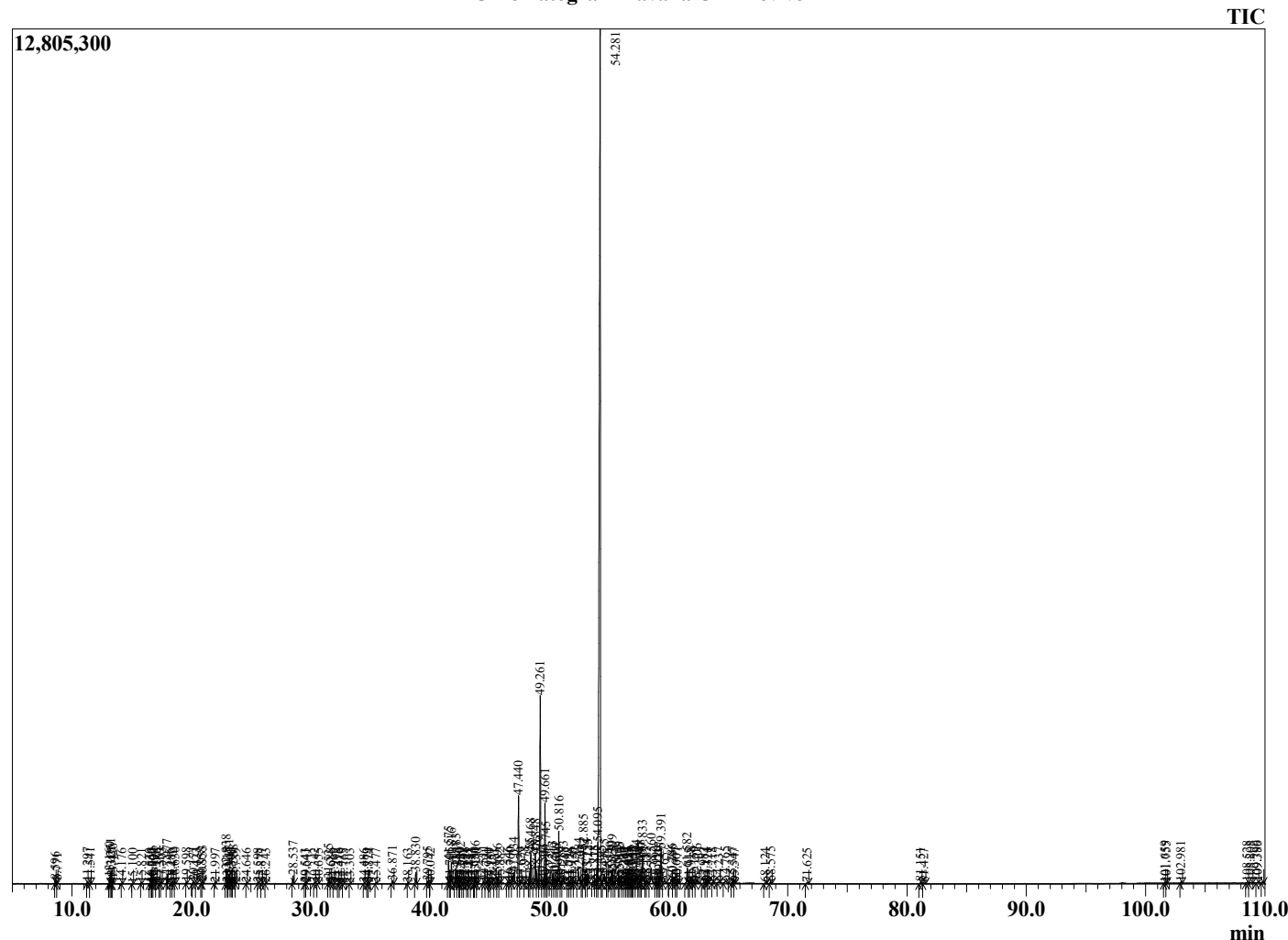
Analyzed by : Dr. Robert S. Pappas
 Analyzed : 12/13/2022 12:49:30 AM
 Sample Type : Essential Oil
 Sample Name : Davana Oil - Revive
 Sample ID : 2C
 Injection Volume : 0.10
 Instrument ID: : GC-3



Peak Report TIC

R.Time	Name	Area%
8.596	Ethyl 2-methylbutyrate	0.08
8.771	Ethyl isovalerate	0.06
11.297	Unidentified	0.05
11.541	2,5-Diethenyltetrahydro-2-methylfuran	0.03
13.160	Propyl-2-methylbutyrate	0.17
13.251	Unidentified	0.35
13.315	5,5-Dimethyl-2(5H)-furanone	0.02
13.420	Propyl isovalerate	0.14
14.176	Benzaldehyde	0.02
15.100	Unidentified	0.01
15.821	cis-Dehydrolinalool oxide	0.02
16.530	Isobutyl 2-methylbutyrate	0.01
16.666	Unidentified	0.00
16.742	trans-Dehydrolinalool oxide	0.02
16.804	Isobutyl isovalerate	0.01
17.062	Unidentified	0.10
17.359	2-Methylbutyl isobutyrate	0.02
17.503	alpha-Terpinene	0.03
17.977	para-Cymene	0.32
18.286	Limonene	0.02
18.472	1,8-cineole	0.01
18.630	gamma-Vinyl-gamma-valerolactone	0.05
19.598	cis-Arbusculone	0.05
20.171	gamma-Terpinene	0.08
20.423	Unidentified	0.02
20.858	trans-Arbusculone	0.04
20.953	trans-Sabinene hydrate	0.10
21.997	Terpinolene	0.02
22.938	Linalool	0.48
23.015	cis-Sabinene hydrate	0.02
23.171	2-Methylbutyl-2-methylbutyrate	0.31
23.300	Nonanal	0.01
23.391	Isoamyl isovalerate	0.01
23.538	2-Methylbutyl isovalerate	0.14
23.739	3-Methyl-2-butenyl 3-methylbutyrate	0.01
24.646	cis,para-Menth-2-en-1-ol	0.02
25.598	Unidentified	0.02
25.877	Unidentified	0.01
26.243	Unidentified	0.02
28.537	Terpinen-4-ol	0.29
29.543	alpha-Terpineol	0.02
29.641	Unidentified	0.02
30.342	Decanal + Unidentified	0.04
30.655	Unidentified	0.02
31.525	Nordavanone	0.17
31.688	Unidentified	0.01
31.969	2-Methyl-hex-(3Z)-enylbutyrate	0.02
32.318	cis-3-Hexenyl isovalerate	0.01
32.470	Neral	0.02
32.765	Unidentified	0.01
33.303	Geraniol	0.02
34.486	Geranial	0.02
34.779	Unidentified	0.02
34.874	Methyl hydrocinnamate	0.02
35.477	Unidentified	0.03
36.871	(Z)-Methyl cinnamate	0.13
38.163	Elemene analogue	0.03
38.830	delta-Elemene	0.43
39.795	Ethyl hydrocinnamate	0.09
40.042	Eugenol	0.02
41.575	(Z)-Ethyl cinnamate	0.86
41.705	alpha-Copaene	0.06

Chromatogram Davana Oil - Revive



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.

R.Time	Name	Area%
41.816	Geranyl acetate	0.80
42.183	(E)-Methyl cinnamate	0.61
42.285	Unidentified	0.04
42.520	Unidentified	0.02
42.592	beta-Elemene	0.29
42.732	Davanafuran analogue	0.07
42.898	Benzyl isovalerate	0.07
43.141	Unidentified	0.03
43.225	Unidentified	0.01
43.453	Unidentified	0.01
43.750	alpha-Gurjunene	0.04
43.816	cis-threo-Davanafuran	0.30
43.970	beta-Maaliene	0.03
44.511	beta-Caryophyllene	0.14
44.731	Unidentified	0.04
44.980	gamma-Maaliene	0.02
45.157	beta-Copaene	0.01
45.431	alpha-Maaliene	0.02
45.696	Aromadendrene	0.21
45.882	Unidentified	0.07
46.546	Unidentified	0.10
46.760	alpha-Humulene	0.06
47.034	Alloaromodendrene	0.63
47.440	(E)-Ethyl cinnamate	3.40
47.629	Unidentified	0.08
47.978	trans-Cadina-1(6),4-diene	0.09
48.355	Germacrene D	0.42
48.468	Davana ether isomer	1.23
48.848	beta-Selinene	1.30
48.976	Viridiflorene	0.50
49.261	Bicyclogermacrene	7.70
49.503	Unidentified	0.24
49.661	Davana ether isomer	3.49
49.745	Davana ether isomer	0.80
49.931	Unidentified	0.08
50.313	gamma-Cadinene	0.31
50.469	Artedouglasia oxide C	0.24
50.616	delta-Cadinene	0.18
50.816	Davana ether isomer	2.10
50.984	Unidentified	0.09
51.183	Artedouglasia oxide A	0.32
51.592	Unidentified	0.03
51.728	Unidentified	0.05
51.920	Unidentified	0.04
52.152	Unidentified	0.07
52.484	Davanone isomer	0.53
52.795	Unidentified	0.12
52.885	Davanone B	1.48
53.154	(E)-Nerolidol	0.36
53.225	Davanone isomer	0.35
53.718	Unidentified	0.13
53.875	Artedouglasia oxide B	0.14
54.095	Spathulenol	1.07
54.281	Davanone D	51.58
54.395	Caryophyllene oxide	0.15
54.625	Globulol	0.61
54.875	Unidentified	0.03
55.140	Viridiflorol	0.29
55.299	Unidentified	0.61
55.415	Unidentified	0.07
55.662	Unidentified	0.28
55.859	Unidentified	0.31
55.945	Unidentified	0.31

R.Time	Name	Area%
56.230	Unidentified	0.07
56.347	Unidentified	0.12
56.494	Unidentified	0.05
56.627	Unidentified	0.04
56.735	Unidentified	0.04
56.840	Unidentified + beta-Eudesmol	0.08
56.935	Unidentified	0.06
57.055	Unidentified	0.08
57.112	Unidentified	0.20
57.304	Unidentified	0.44
57.494	Unidentified	0.05
57.648	Unidentified	0.36
57.690	Unidentified	0.14
57.833	tau-Cadinol	1.67
58.117	Unidentified	0.12
58.185	Desmethoxy eneccalin	0.14
58.560	alpha-Eudesmol	1.01
58.990	Unidentified	0.09
59.116	Unidentified	0.08
59.237	Unidentified	0.32
59.391	Unidentified	1.52
59.657	Unidentified	0.16
60.286	Unidentified	0.30
60.395	Unidentified	0.17
60.667	Unidentified	0.06
60.771	Unidentified	0.11
61.582	beta-Davanone-2-ol	0.69
61.715	Unidentified	0.03
61.918	Unidentified	0.09
62.159	Unidentified	0.13
62.406	Unidentified	0.24
62.982	Unidentified	0.05
63.174	Unidentified	0.05
63.321	Unidentified	0.04
63.718	Geraniol hexanoate	0.04
64.237	Unidentified	0.05
64.765	Unidentified	0.22
65.347	Unidentified	0.09
65.547	Unidentified	0.03
68.124	Unidentified	0.05
68.575	Phytone	0.09
71.625	Nonadecane	0.05
81.151	Heneicosane	0.07
81.427	Phytol	0.05
101.659	Unidentified	0.04
101.755	Unidentified	0.03
102.981	Unidentified	0.06
108.528	Unidentified	0.05
108.808	Unidentified	0.05
109.389	Unidentified	0.04
109.796	Unidentified	0.06
		100.00