

Sample Information

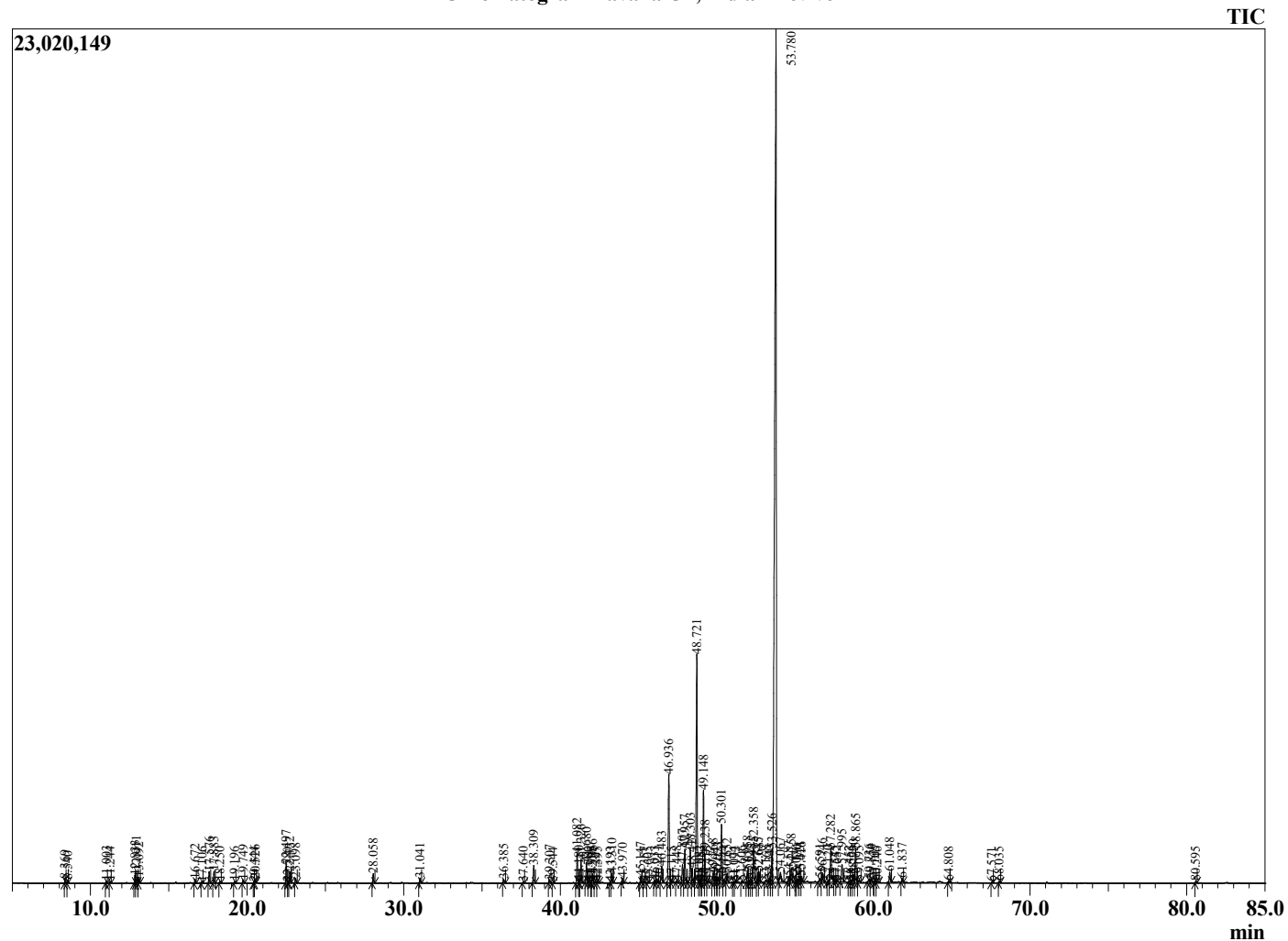
Analyzed by : Dr. Robert S. Pappas
 Analyzed : 2/14/2022 8:42:01 PM
 Sample Type : Essential Oil
 Sample Name : Davana Oil, India - Revive
 Sample ID : 1314
 Injection Volume : 0.10
 Instrument ID: : GC-4



Peak Report TIC

R.Time	Name	Area%
8.369	Ethyl-2-methylbutyrate	0.09
8.540	Ethyl isovalerate	0.06
11.003	Unidentified	0.05
11.244	2,5-Diethenyl-2-methyltetrahydrofuran	0.04
12.833	Propyl-2-methylbutyrate	0.19
12.911	Unidentified	0.41
13.092	Propyl 3-methylbutyrate	0.15
16.672	1,4-Cineole	0.11
17.106	alpha-Terpinene	0.04
17.576	Unidentified	0.36
17.883	Limonene	0.33
18.250	gamma-vinyl-gamma-Valerolactone	0.05
19.196	cis-Arbusculone	0.05
19.749	gamma-Terpinene	0.10
20.444	trans-Arbusculone	0.03
20.526	trans-Sabinene hydrate	0.11
22.497	Linalool	0.56
22.580	cis-Sabinene hydrate	0.02
22.732	2-Methylbutyl-2-methylbutyrate	0.36
23.098	2-Methylbutyl isovalerate	0.16
28.058	Terpinen-4-ol	0.31
31.041	Nordavanone	0.17
36.385	Unidentified	0.13
37.640	Unidentified	0.04
38.309	delta-Elementene	0.62
39.307	Ethyl hydrocinnamate	0.11
39.544	Eugenol	0.02
41.082	cis-Ethyl cinnamate	1.09
41.180	alpha-Copaene	0.04
41.326	Geranyl acetate	0.80
41.680	trans-Methyl cinnamate	0.71
41.780	Unidentified	0.03
41.995	Unidentified	0.02
42.066	beta-Elementene	0.32
42.227	Unidentified	0.07
42.395	Benzyl isovalerate	0.07
43.193	alpha-Gurjunene	0.05
43.310	cis-threo-Davana furan	0.35
43.970	trans-beta-Caryophyllene	0.16
45.147	beta-Copaene	0.23
45.357	Unidentified	0.07
45.605	Unidentified	0.04
46.033	Unidentified	0.08
46.211	alpha-Humulene	0.07
46.483	Alloaromadendrene	0.67
46.936	trans-Ethyl cinnamate	4.02
47.115	Unidentified	0.03
47.448	trans-Cadina-1(6),4-diene	0.08
47.807	Germacrene D	0.64
47.957	Davana ether isomer	1.23
48.303	beta-Selinene	1.39
48.427	Viridiflorene	0.53
48.721	Bicyclogermacrene	8.53
48.882	Unidentified	0.07
48.983	Unidentified	0.07
49.148	Davana ether isomer	3.53
49.238	Davana ether isomer	0.78
49.415	Unidentified	0.07
49.768	gamma-Cadinene	0.34
49.941	Artemisia oxide C	0.25
50.073	delta-Cadinene	0.21
50.301	Davana ether isomer	2.14

Chromatogram Davana Oil, India - 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%
50.444	Unidentified	0.08
50.652	Artedouglasia oxide A	0.33
51.074	Unidentified	0.04
51.192	Unidentified	0.05
51.606	Unidentified	0.08
51.958	Davanone isomer	0.51
52.025	Artedouglasia oxide isomer	0.07
52.245	Unidentified	0.11
52.358	Davanone isomer	1.58
52.645	trans-Nerolidol	0.31
52.687	Davanone isomer	0.41
53.168	Palustrol	0.13
53.343	Artedouglasia oxide B	0.13
53.526	Unidentified	1.17
53.780	Davanone	53.46
54.067	Globulol	0.55
54.587	Viridiflorol	0.24
54.758	Unidentified	0.56
55.070	Unidentified	0.08
55.136	Unidentified	0.14
55.321	Unidentified	0.23
55.416	Unidentified	0.20
56.591	Unidentified	0.18
56.746	Unidentified	0.35
57.120	Unidentified	0.09
57.282	alpha-Muurolol	1.52
57.545	Unidentified	0.05
57.652	Unidentified	0.05
57.995	alpha-Eudesmol	0.82
58.452	Unidentified	0.05
58.566	Unidentified	0.06
58.730	Unidentified	0.38
58.865	Unidentified	1.31
59.095	Unidentified	0.10
59.736	Unidentified	0.18
59.854	Unidentified	0.13
60.105	Unidentified	0.06
60.246	Unidentified	0.06
61.048	Unidentified	0.38
61.837	Unidentified	0.15
64.808	Unidentified	0.06
67.571	Unidentified	0.03
68.035	Phytone	0.04
80.595	Heneicosane	0.06
		100.00