

Sample Information

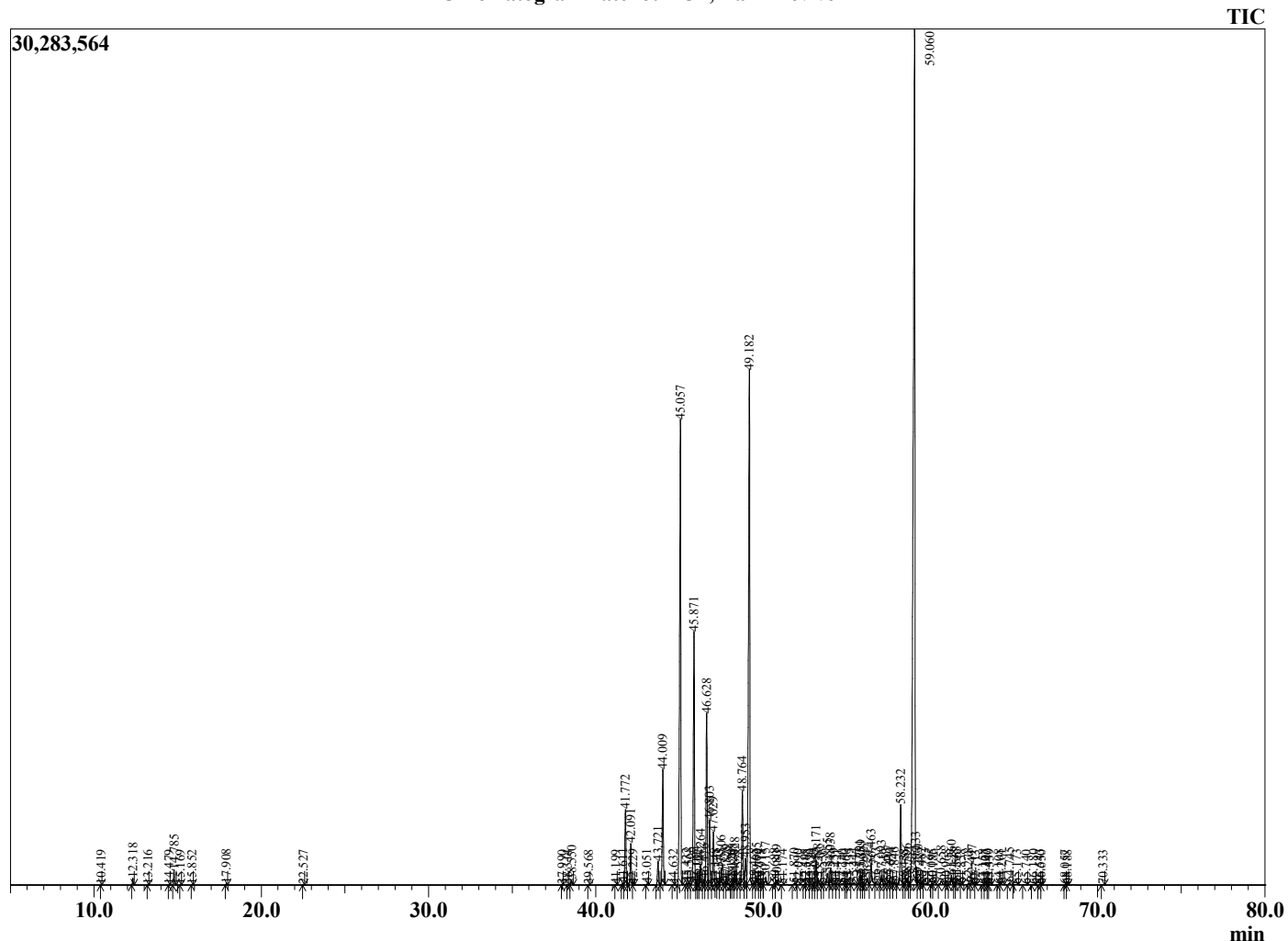
Analyzed by : Dr. Robert S. Pappas
 Analyzed : 2/11/2022 2:45:05 PM
 Sample Type : Essential Oil
 Sample Name : Patchouli Oil, Dark-Revive
 Sample ID : 9B
 Injection Volume : 0.10 µL
 Instrument ID: : GC-4



Peak Report TIC

R.Time	Name	Area%
10.419	2,5-Diethyltetrahydrofuran	0.00
12.318	alpha-Pinene	0.11
13.216	Camphene	0.00
14.479	Sabinene	0.00
14.785	beta-Pinene	0.29
15.169	3-Octanone	0.00
15.852	3-Octanol	0.01
17.908	Limonene	0.02
22.527	Linalool	0.01
37.990	Unidentified	0.00
38.314	Elemene isomer	0.01
38.550	delta-Elemene	0.11
39.568	Eugenol	0.01
41.199	alpha-Copaene	0.01
41.611	Elemene isomer	0.04
41.772	beta-Patchoulene	1.96
42.091	beta-Elemene	1.03
42.229	Unidentified	0.01
43.051	cis-beta-Caryophyllene	0.02
43.721	Cycloseychellene	0.62
44.009	trans-beta-Caryophyllene	2.99
44.632	gamma-Elemene	0.01
45.057	alpha-Guaiene	13.27
45.432	Unidentified	0.06
45.568	Selina-5,11-diene	0.07
45.871	Seychellene	6.91
46.004	Unidentified	0.08
46.122	Unidentified	0.03
46.264	alpha-Humulene	0.55
46.476	Unidentified	0.17
46.628	alpha-Patchoulene	4.62
46.803	Unidentified	1.63
47.029	Unidentified	1.36
47.148	Aristolochene isomer	0.00
47.343	Selina-4,11-diene	0.02
47.506	beta-Chamigrene	0.40
47.728	gamma-Gurjunene	0.09
47.829	Germacrene D	0.14
48.120	Unidentified	0.01
48.208	delta-Selinene	0.14
48.328	beta-Selinene	0.33
48.528	Valencene	0.03
48.764	Aciphyllene	2.56
48.953	Unidentified	0.79
49.182	alpha-Bulnesene	15.50
49.468	Unidentified	0.05
49.625	Nootkatene	0.18
49.779	gamma-Cadinene	0.01
49.918	delta-Cadinene	0.02
50.157	Unidentified+7-epi-alpha-Selinene	0.25
50.688	Unidentified	0.05
50.809	Unidentified	0.13
51.174	Unidentified	0.01
51.870	alpha-Elemol	0.03
52.090	Unidentified	0.01
52.495	Germacrene B	0.03
52.568	Unidentified	0.04
52.870	Unidentified	0.02
53.045	Unidentified	0.05
53.171	Norpatchoulene	0.67
53.288	Unidentified	0.19
53.536	Spathulenol	0.02

Chromatogram Patchouli Oil, Dark-Revive



Comments:

The analysis of this Patchouli, Dark batch sample meets the expected chemical profile for authentic essential oil of *Pogostemon cablin*. 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%
53.855	Caryophyllene oxide	0.37
54.038	Unidentified	0.52
54.239	Unidentified	0.05
54.421	Unidentified	0.03
54.740	Unidentified	0.07
54.960	Unidentified	0.01
55.135	Unidentified	0.06
55.444	Humulene epoxide II	0.10
55.791	Unidentified	0.27
55.869	Unidentified	0.25
55.992	Unidentified	0.07
56.242	Unidentified	0.24
56.463	Unidentified	0.73
56.753	Unidentified	0.09
57.093	Pogostol analogue	0.31
57.353	Unidentified	0.04
57.497	Juniper camphor	0.13
57.654	Unidentified isomer I	0.07
57.846	Unidentified isomer I	0.08
58.232	Pogostol	2.31
58.438	Unidentified	0.03
58.596	Unidentified	0.22
58.732	Unidentified	0.09
59.060	Patchouli alcohol	34.60
59.133	Valerianol	0.04
59.270	Unidentified	0.16
59.482	Unidentified	0.06
59.723	Unidentified	0.04
60.095	Unidentified	0.02
60.186	Unidentified	0.02
60.658	Unidentified	0.17
60.968	Unidentified	0.02
61.260	Pogostone	0.25
61.448	Unidentified	0.03
61.563	Unidentified	0.15
61.858	Unidentified	0.02
62.278	Unidentified	0.05
62.497	Longifolol	0.15
62.713	Unidentified	0.00
63.158	Unidentified	0.01
63.307	Unidentified	0.03
63.440	Unidentified	0.01
63.559	Unidentified	0.02
64.108	Unidentified	0.01
64.261	Unidentified	0.04
64.745	Unidentified	0.07
65.173	Unidentified	0.02
65.740	Unidentified	0.01
66.180	Unidentified	0.01
66.543	Unidentified	0.01
66.650	Unidentified	0.01
68.057	Phytone	0.01
68.188	Unidentified	0.01
70.333	Unidentified	0.01
		100.00