

Sample Information

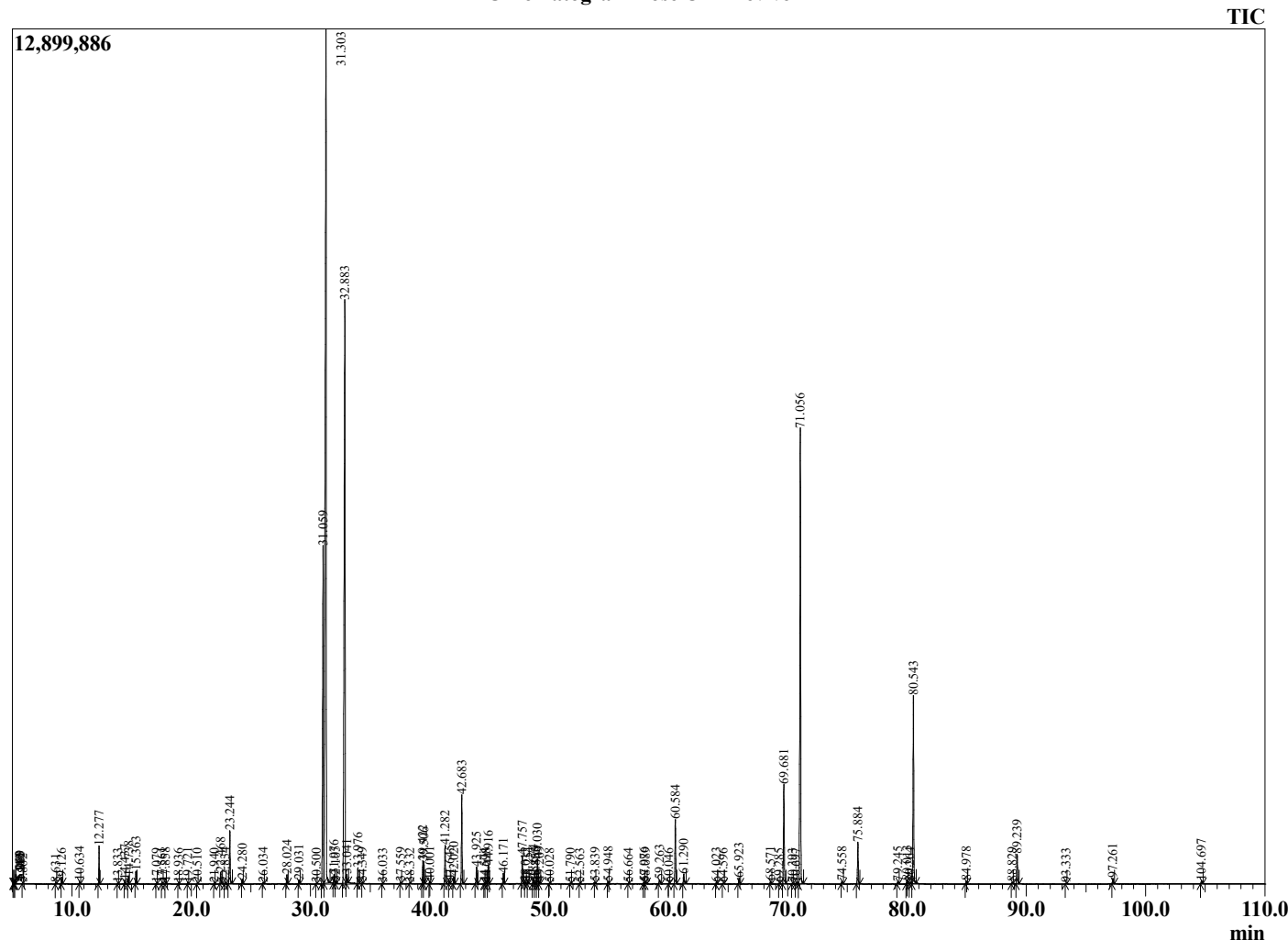
Analyzed by : Dr. Robert S. Pappas
 Analyzed : 10/12/2022 9:07:11 PM
 Sample Type : Essential Oil
 Sample Name : Rose Oil - Revive
 Sample ID : 6E
 Injection Volume : 0.10
 Instrument ID: : GC-4



Peak Report TIC

R.Time	Name	Area%
2.859	Acetaldehyde	0.01
2.939	Ethanol	1.16
3.124	2-methyl-2-butene	0.16
4.560	Pentanal	0.02
5.009	Diethyl acetal	0.04
5.111	Isoprenol	0.01
5.163	3-methyl butanol	0.04
5.241	2-methyl butanol	0.03
5.862	Pentanol	0.01
8.631	(3Z)-Hexenol	0.02
9.126	Hexanol	0.11
10.634	Heptanal	0.04
12.277	alpha-Pinene	0.64
13.833	Benzaldehyde	0.02
14.437	Sabinene	0.07
14.738	beta-Pinene	0.15
15.363	Myrcene	0.25
17.079	alpha-Terpinene	0.01
17.561	para-Cymene	0.03
17.858	Limonene	0.04
18.936	trans-beta-Ocimene	0.01
19.721	gamma-Terpinene	0.03
20.510	cis-Sabinene hydrate	0.02
21.940	Rosefuran	0.02
22.468	Linalool	0.24
22.834	Nonanal	0.03
23.244	Phenethyl alcohol + Rose Oxide A	1.37
24.280	Rose Oxide B	0.10
26.034	Nerol oxide	0.04
28.024	Terpinen-4-ol	0.21
29.031	alpha-Terpineol	0.10
30.500	7-methyl-3-methylene-6-Octen-1-ol	0.02
31.059	Nerol	8.82
31.303	Citronellol	32.23
31.976	Neral	0.19
32.105	isogeraniol	0.04
32.883	Geraniol	19.53
33.041	2-Phenethyl acetate	0.25
33.976	Geranial	0.37
34.349	Citronellyl formate	0.02
36.033	Geranyl formate	0.01
37.559	methyl-Geranate	0.04
38.332	unidentified	0.01
39.422	Citronellyl acetate	0.55
39.506	Eugenol	0.52
40.001	Neryl acetate	0.07
41.282	Geranyl acetate	0.91
41.645	alpha-Bourbonene	0.07
42.020	beta-Elemene	0.18
42.683	Methyleugenol	2.07
43.925	beta-Caryophyllene	0.44
44.574	beta-Cubebene	0.01
44.698	unidentified	0.03
44.916	alpha-Guaiene	0.46
46.171	alpha-Humulene	0.28
47.757	Germacrene D	0.69
48.012	2-methyl-phenylethyl-Butyrate	0.03
48.251	beta-Selinene	0.05
48.674	Aciphyllene	0.11
48.855	unidentified	0.04
49.030	unidentified	0.63
49.209	trans,trans-alpha-Farnesene	0.06

Chromatogram Rose Oil - Revive



Comments:

The analysis of this Rose batch sample meets the expected chemical profile for authentic essential oil of *Rosa damascena*. 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%
50.028	delta-Cadinene	0.02
51.790	alpha-Elemol	0.01
52.563	trans-Nerolidol	0.01
53.839	phenylethyl-Tiglate	0.03
54.948	Hexadecane	0.06
56.664	gamma-Eudesmol	0.01
57.976	alpha-Eudesmol	0.06
58.089	Pogostol	0.04
59.263	Hexadecene	0.14
60.046	2,6-cis-Farnesol	0.02
60.584	Heptadecane	1.69
61.290	Farnesol	0.28
64.023	Benzyl benzoate	0.03
64.596	unidentified	0.02
65.923	Octadecane	0.16
68.571	phenethyl-Benzoate	0.07
69.285	9-Octadecyne	0.01
69.681	cis-9-Nonadecene	2.74
70.393	Heptadecanol	0.01
70.697	unidentified	0.01
71.056	Nonadecane	13.23
74.558	unidentified	0.07
75.884	Eicosane	1.12
79.245	Docosene	0.07
80.013	unidentified	0.08
80.264	unidentified	0.04
80.543	Heneicosane	4.95
84.978	Docosane	0.08
88.829	cis-9-Tricosene	0.04
89.239	Tricosane	0.85
93.333	unidentified	0.02
97.261	Pentacosane	0.15
104.697	unidentified	0.09
		100.00