

Sample Information

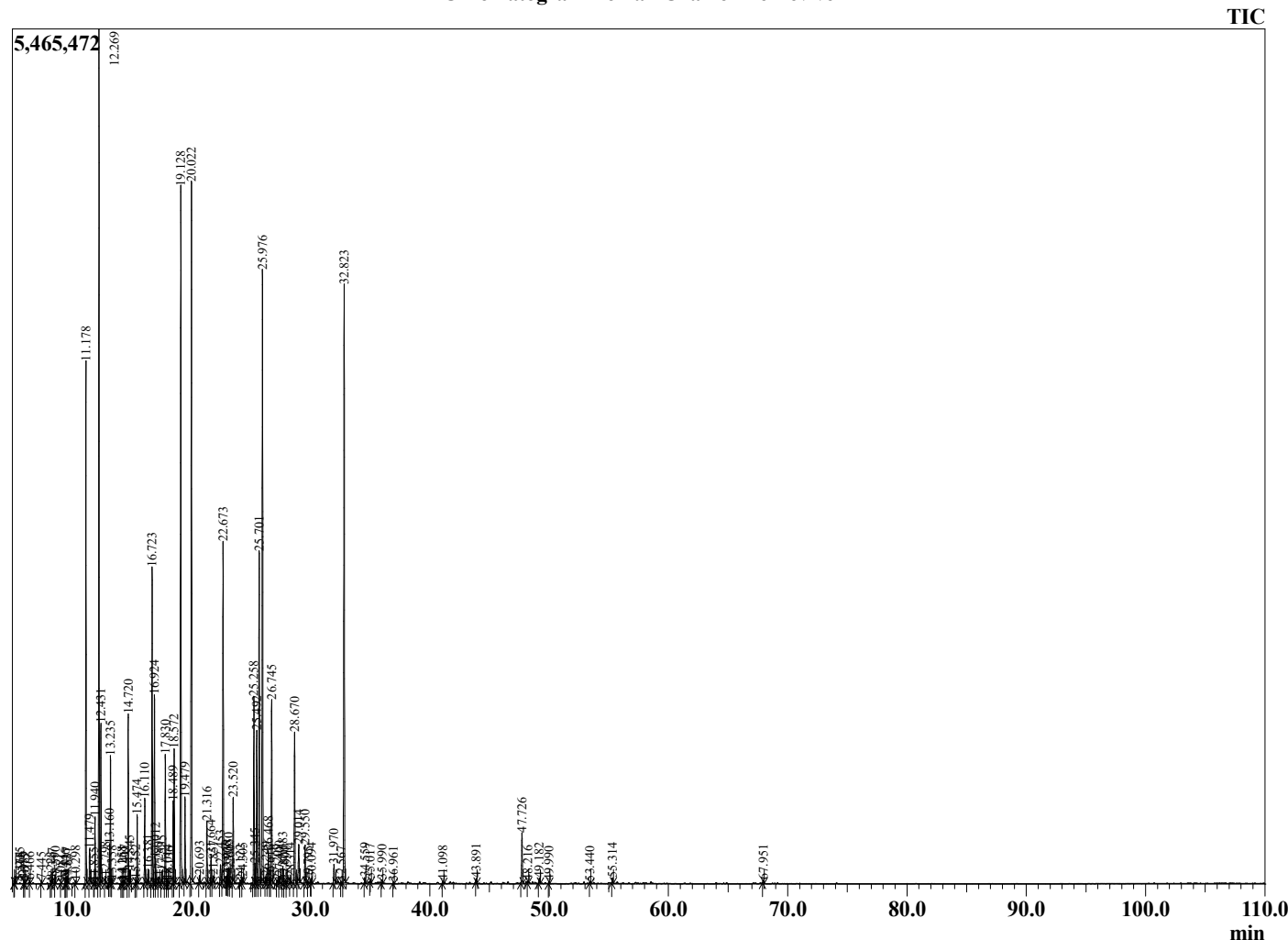
Analyzed by : Dr. Robert S. Pappas
 Analyzed : 2/14/2023 7:25:56 PM
 Sample Type : Essential Oil
 Sample Name : Roman Chamomile Revive
 Sample ID : 0E
 Injection Volume : 0.10
 Instrument ID: : GC-4



Peak Report TIC

R.Time	Name	Area%
3.126	2-methyl-2-Butene	0.19
3.733	2-methyl propanol	0.01
4.043	Isovaleric aldehyde	0.01
4.575	2-ethyl Furan	0.01
5.164	Isopentyl alcohol	0.02
5.235	sec-butyl-Carbinol	0.05
5.989	isobutyl Acetate	0.03
6.075	alpha-methyl-Methylbutyrate	0.01
6.466	alpha-Octene	0.02
7.445	unidentified	0.03
8.223	3-Methyl pentanol	0.03
8.347	Ethyl 2-methylbutyrate	0.06
8.590	propyl-Isobutyrate	0.08
9.081	isobutyl-Propionate	0.01
9.446	isoamyl-Acetate	0.06
9.527	2-Methylbutyl acetate	0.07
9.637	Propyl methacrylate	0.07
10.298	unidentified	0.03
11.178	Isobutyl isobutyrate	5.15
11.479	Prenyl acetate	0.57
11.855	alpha-Thujene	0.01
11.940	2,5,8-Trimethyl nonane	0.68
12.269	alpha-Pinene	9.02
12.431	Isobutyl methacrylate	1.67
12.798	2-methyl-propylbutyrate	0.08
13.160	Camphene	0.43
13.235	3-Methylcyclohexanone	1.36
13.358	Thuja-2,4(10)-diene	0.04
14.158	isopentyl-Propanoate	0.03
14.261	2-methylbutyl-propanoate	0.04
14.417	Sabinene	0.04
14.720	beta-Pinene	2.00
14.845	unidentified	0.16
15.352	Myrcene	0.07
15.474	Ethyl tiglate isomer	0.79
16.110	2-methyl isobutylbutyrate	1.02
16.381	Isobutyl isovalerate	0.17
16.723	Isoamyl isobutyrate	3.91
16.924	2-Methylbutyl isobutyrate	2.39
17.012	unidentified	0.28
17.280	unidentified	0.08
17.535	para-Cymene	0.17
17.830	Limonene	1.60
18.014	1,8-cineole	0.05
18.136	unidentified	0.03
18.489	Isopentyl methacrylate	1.03
18.572	Pentyl methacrylate	1.72
19.128	Isobutyl angelate	9.38
19.479	Prenyl isobutyrate	1.05
20.022	Methallyl angelate	9.30
20.693	Hexyl propanoate	0.10
21.316	Camphenilone	0.81
21.664	Butyl angelate	0.38
21.857	Isobutyl tiglate	0.11
22.453	Isopentyl 2-methylbutyrate	0.26
22.673	2-Methylbutyl-2-methylbutyrate	4.77
22.966	unidentified	0.07
23.038	2-methylbutyl Isovalerate	0.10
23.130	unidentified	0.19
23.260	unidentified	0.03
23.520	3-methylamyl Isobutyrate	1.18
24.122	unidentified	0.04

Chromatogram Roman Chamomile Revive



Comments:

The analysis of this Roman Chamomile batch sample meets the expected chemical profile for authentic essential oil of *Anthemis nobilis*. 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%
24.305	alpha-Campholenal	0.08
25.258	trans-Pinocarveol	2.72
25.345	unidentified	0.21
25.492	Butanoic Acid Ester	2.20
25.701	Isoamyl angelate	4.80
25.976	Isoamyl tiglate	8.73
26.249	Camphene hydrate	0.10
26.468	Amyl angelate isomer	0.48
26.616	Pinocamphone	0.05
26.745	Pinocarvone	2.65
27.209	unidentified	0.05
27.400	Borneol	0.10
27.683	Isopinocamphone	0.24
27.800	Menthol	0.05
27.991	Terpinen-4-ol	0.03
28.314	unidentified	0.07
28.670	2-Methyl-2-butene angelate	2.14
29.014	Myrtenal	0.78
29.550	3-Methyl-3-methylpentyl butyrate	0.56
29.795	unidentified	0.02
30.094	Isoamyl Caproate	0.07
31.970	2-Hydroxy-2-methyl-but-3-enyl 2-methyl-2-ci	0.30
32.567	unidentified	0.02
32.823	4-Methyl amyl angelate	9.00
34.559	3-cis-Hexenyl angelate	0.08
35.017	hexyl-Angelate	0.05
35.990	3-methylpentyl 2-methyltiglate	0.05
36.961	unidentified	0.02
41.098	alpha-Copaene	0.04
43.891	beta-Caryophyllene	0.07
47.726	Germacrene D	0.80
48.216	beta-Selinene	0.03
49.182	trans,trans-alpha-Farnesene	0.08
49.990	delta-Cadinene	0.04
53.440	Spathulenol	0.03
55.314	Copaborneol	0.08
67.951	Phytone	0.05
		100.00