

Sample Information

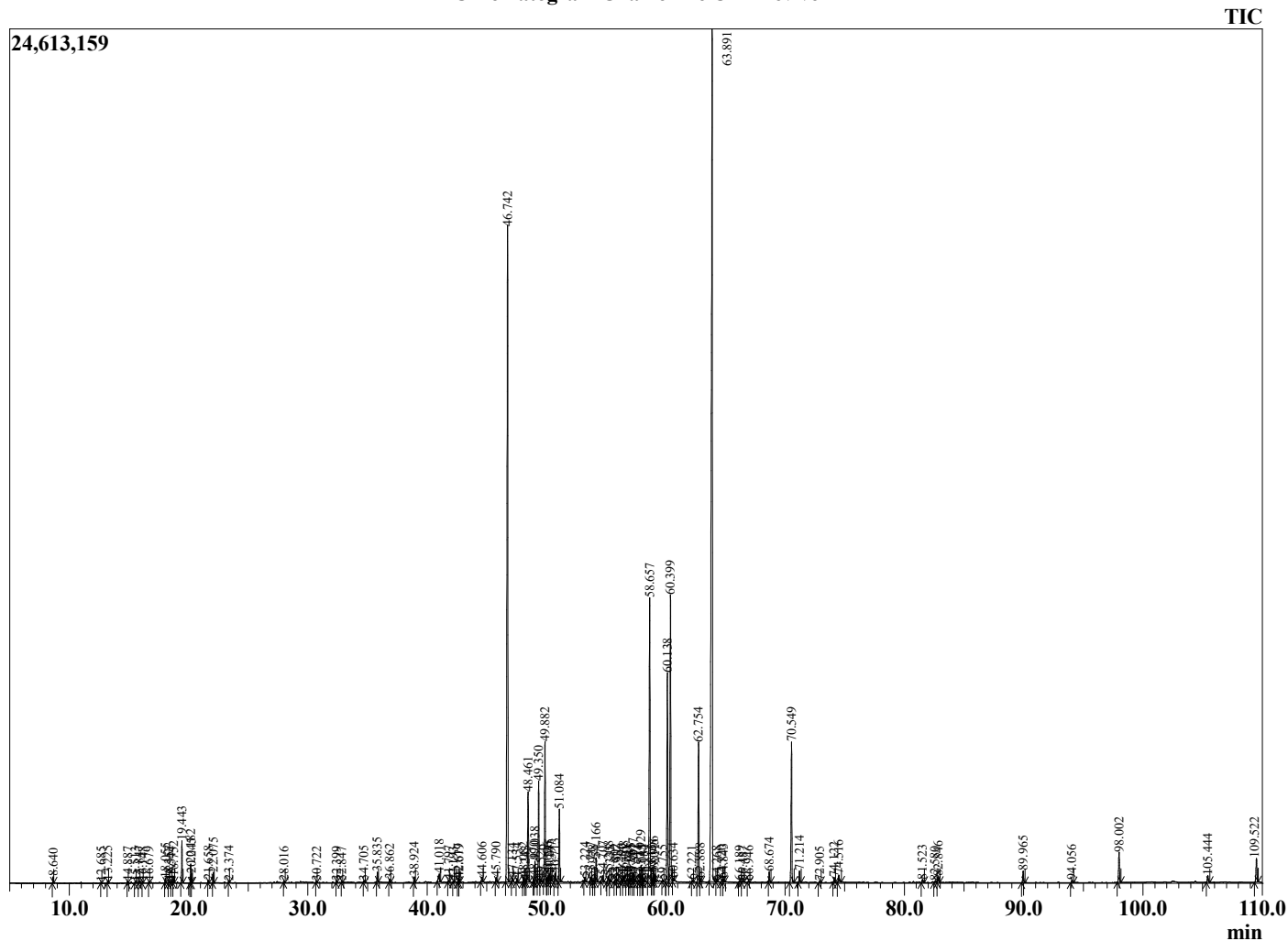
Analyzed by : Dr. Robert S. Pappas
 Analyzed : 11/4/2022 10:12:48 PM
 Sample Type : Essential Oil
 Sample Name : Chamomile Oil - Revive
 Sample ID : 2B
 Injection Volume : 0.10
 Instrument ID: : GC-3



Peak Report TIC

R.Time	Name	Area%
3.107	Ethanol	0.03
4.144	3-Methylbutanal	0.01
4.253	2-Methylbutanal	0.02
8.640	Ethyl 2-methylbutyrate	0.08
12.685	alpha-Pinene	0.02
13.225	Propyl 2-methylbutyrate	0.04
14.887	Sabinene	0.02
15.513	6-Methyl hept-5-en-2-one	0.02
15.847	Unidentified	0.05
16.148	Yomogi alcohol	0.03
16.679	Octanal	0.02
18.055	para-Cymene	0.08
18.357	Limonene	0.05
18.544	1,8-Cineole	0.02
18.752	cis-beta-Ocimene	0.12
19.443	trans-beta-Ocimene	0.79
20.182	Artemisia ketone	0.41
20.245	gamma-Terpinene	0.14
21.658	Artemisia alcohol	0.05
22.075	Terpinolene	0.21
23.374	Nonanal	0.04
28.016	Borneol	0.02
30.722	Oct-(2E)-enyl- acetate	0.03
32.399	3-Hex-(3Z)-enyl isovalerate	0.02
32.847	Cuminal	0.02
34.705	Unidentified	0.04
35.835	(E)-Anethole	0.22
36.862	Tridecane	0.07
38.924	delta-Elementene	0.13
41.018	Decanoic acid	0.28
41.797	alpha-Copaene	0.04
42.193	Modhephenene	0.02
42.617	alpha-Isocomene	0.09
42.679	beta-Elementene	0.08
44.606	beta-Caryophyllene	0.13
45.790	Aromadendrene	0.11
46.742	trans-beta-Farnesene	18.51
47.134	Alloaromadendrene	0.08
47.534	Unidentified	0.09
48.082	trans-Cadina-1(6),4-diene	0.12
48.243	gamma-Curcumene	0.04
48.461	Germacrene D	2.32
48.970	beta-Selinene	0.10
49.038	(Z,E)-alpha-Farnesene	0.62
49.350	Bicyclogermacrene	2.46
49.526	alpha-Murolene	0.05
49.882	(E,E)-alpha-Farnesene	3.42
50.096	beta-Bisabolene	0.11
50.245	3,6-Dihydrochamazulene	0.22
50.397	gamma-Cadinene	0.11
50.713	delta-Cadinene	0.20
51.084	(2Z,8Z)-Matricaria ester	1.82
53.224	(E)-Nerolidol	0.10
53.717	Dendralasin	0.11
53.928	(2Z,8E)-Matricaria ester	0.04
54.166	Spathulenol	0.61
54.707	Globulol	0.20
55.208	Viridiflorol	0.18
55.335	Cubeban-11-ol	0.04
55.802	Ledol	0.08
55.937	Rosifolol	0.03
56.290	Unidentified	0.12

Chromatogram Chamomile Oil - Revive



Comments:

The analysis of this Chamomile batch sample meets the expected chemical profile for authentic essential oil of *Matricaria chamomilla*. 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%
56.468	2-(7Z)-Bisaboladien-4-ol	0.17
56.731	Unidentified	0.04
56.941	Unidentified	0.06
57.065	Unidentified	0.11
57.277	Unidentified	0.21
57.392	Unidentified	0.09
57.714	Unidentified	0.05
57.929	tau-Cadinol	0.44
58.045	epi-alpha-Cadinol	0.04
58.184	Unidentified	0.06
58.657	alpha-Bisabolol oxide B	7.81
58.815	Unidentified	0.07
58.996	Unidentified	0.27
59.045	Unidentified	0.13
59.755	Unidentified	0.04
60.138	alpha-Bisabolone oxide A	5.38
60.399	alpha-Bisabolol	7.69
60.634	Unidentified	0.07
62.221	Hernianin	0.04
62.754	Chamazulene	3.71
62.888	Unidentified	0.09
63.891	alpha-Bisabolol oxide A	30.66
64.268	Tetradecanoic acid	0.03
64.720	Benzyl benzoate	0.08
64.843	Unidentified	0.09
66.189	Unidentified	0.05
66.487	Unidentified	0.04
66.946	Unidentified	0.04
68.674	Phytone	0.26
70.549	En-in-dicycloether isomer	3.68
71.214	En-in-dicycloether isomer	0.28
72.905	Methyl hexadecanoate	0.04
74.122	Unidentified	0.12
74.516	Palmitic acid	0.21
81.523	Phytol	0.08
82.580	Linolenic acid	0.06
82.846	Unidentified	0.17
89.965	Tricosane	0.31
94.056	Tetracosane	0.07
98.002	Pentacosane	0.85
105.444	Heptacosane	0.19
109.522	Unidentified	0.75
		100.00