

Sample Information

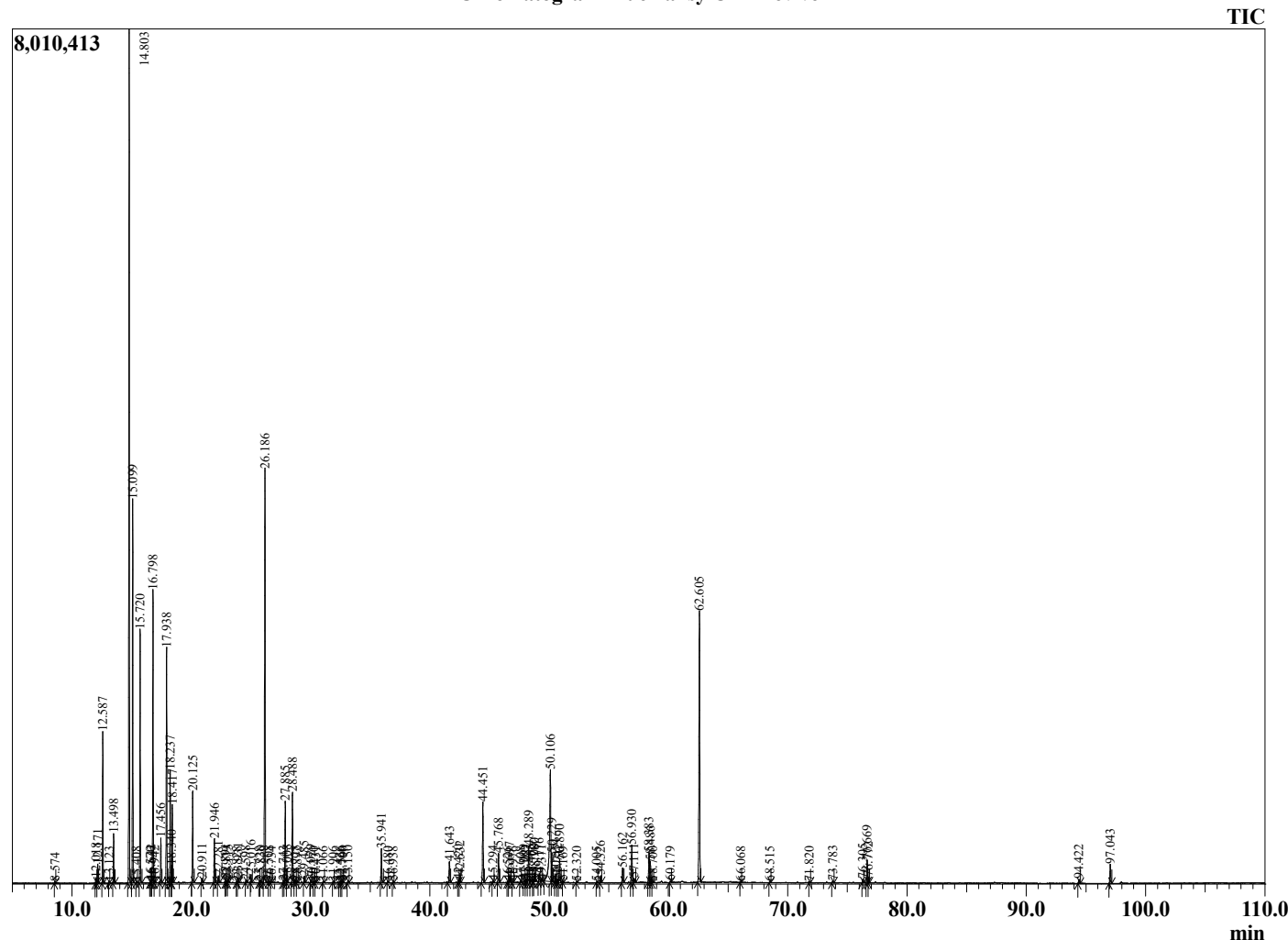
Analyzed by : Dr. Robert S. Pappas
 Analyzed : 12/29/2023 6:26:05 AM
 Sample Type : Essential Oil
 Sample Name : Blue Tansy Oil - Revive
 Sample ID : 1N
 Injection Volume : 0.10
 Instrument ID: : GC-3



Peak Report TIC

R.Time	Name	Area%
8.574	Ethyl 2-methylbutyrate	0.03
12.018	Tricyclene	0.10
12.171	alpha-Thujene	0.34
12.587	alpha-Pinene	2.84
13.123	Propyl 2-methylbutyrate	0.03
13.498	Camphene	0.96
14.803	Sabinene	18.48
15.099	beta-Pinene	7.63
15.408	6-Methyl hept-5-en-2-one	0.02
15.720	Myrcene	5.20
16.570	Octanal	0.03
16.642	Pseudolimonene	0.06
16.798	alpha-Phellandrene	6.14
16.942	delta-3-Carene	0.04
17.456	alpha-Terpinene	0.94
17.938	para-Cymene	5.28
18.237	Limonene	2.49
18.340	beta-Phellandrene	0.31
18.417	1,8-Cineole	1.74
20.125	gamma-Terpinene	2.07
20.911	trans-Sabinene hydrate	0.11
21.946	Terpinolene	1.01
22.281	6,7-Epoxy myrcene	0.17
22.891	Linalool	0.08
22.979	cis-Sabinene hydrate	0.03
23.115	2-Methylbutyl-2-methylbutyrate	0.07
23.828	4,8-Dimethyl nona-1,3,7-triene	0.02
23.931	Unidentified	0.11
24.598	cis-para-Menth-2-en-1-ol	0.06
25.016	Limona ketone	0.20
25.728	trans-Pinocarveol	0.02
25.830	cis-beta-Terpineol	0.07
26.186	Camphor	10.69
26.508	Unidentified	0.05
26.734	Unidentified	0.02
27.743	Carvenone	0.05
27.885	Borneol	2.02
28.008	Carvenone	0.06
28.488	Terpinen-4-ol	2.26
28.728	Unidentified	0.07
28.892	para-Cymen-8-ol	0.02
29.485	alpha-Terpineol	0.19
30.029	alpha-Phellandrene epoxide	0.06
30.270	Decanal	0.03
30.431	trans-Piperitol	0.03
31.066	Unidentified	0.04
31.906	Hex-(3Z)-enyl 2-methylbutyrate	0.03
32.426	Pulegone	0.03
32.566	Unidentified	0.05
32.706	Cuminal	0.05
33.150	Carvotanacetone	0.06
35.941	Thymol	0.87
36.480	Carvacrol	0.02
36.938	2-Methyl-4-methylhexylbutyrate	0.04
41.643	alpha-Copaene	0.59
42.420	7-epi-Sesquithujene	0.07
42.532	beta-Elementene	0.18
44.451	beta-Caryophyllene	2.20
45.294	Unidentified	0.06
45.768	cis-beta-Farnesene	0.82
46.526	trans-beta-Farnesene	0.03
46.697	alpha-Humulene	0.16

Chromatogram Blue Tansy Oil - Revive



Comments:

The analysis of this Blue Tansy batch sample meets the expected chemical profile for authentic essential oil of *Tanacetum annuum*. 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%
46.976	Alloaromadendrene	0.03
47.608	4,5-di-epi-Aristolochene	0.03
47.909	trans-Cadina-1(6),4-diene	0.06
48.081	gamma-Curcumene	0.09
48.289	Germacrene D	1.03
48.465	trans-beta-Bergamotene	0.10
48.700	Unidentified	0.08
48.780	beta-Selinene	0.24
49.176	Bicyclogermacrene	0.25
49.371	alpha-Murolene	0.04
50.106	3,6-Dihydrochamazulene	5.54
50.229	Dihydrochamazulene isomer	0.75
50.554	delta-Cadinene	0.25
50.712	Dihydrochamazulene isomer	0.11
50.890	beta-Sesquiphellandrene	0.63
51.169	Dihydrochamazulene isomer	0.03
52.320	Elemol	0.03
54.005	Spathulenol	0.03
54.326	Caryophyllene oxide	0.20
56.162	5,6-Dihydrochamazulene	0.42
56.930	Unidentified	1.06
57.111	Eremoligenol isomer	0.15
58.383	7,12-Dehydro-5,6,7,8-tetrahydrochamazulene	0.91
58.486	alpha-Eudesmol	0.63
58.700	Unidentified	0.03
60.179	Unidentified	0.04
62.605	Chamazulene	7.91
66.068	Unidentified	0.02
68.515	Phytone	0.04
71.820	Unidentified	0.03
73.783	meta-Camphorene	0.06
76.305	Unidentified	0.11
76.669	9-(15,16-Dihydro-15-methylenegeranyl)-alph:	0.69
76.772	9-(15,16-Dihydro-15-methylenegeranyl)-para	0.13
94.422	Unidentified	0.12
97.043	Unidentified	0.56
		100.00