

Sample Information

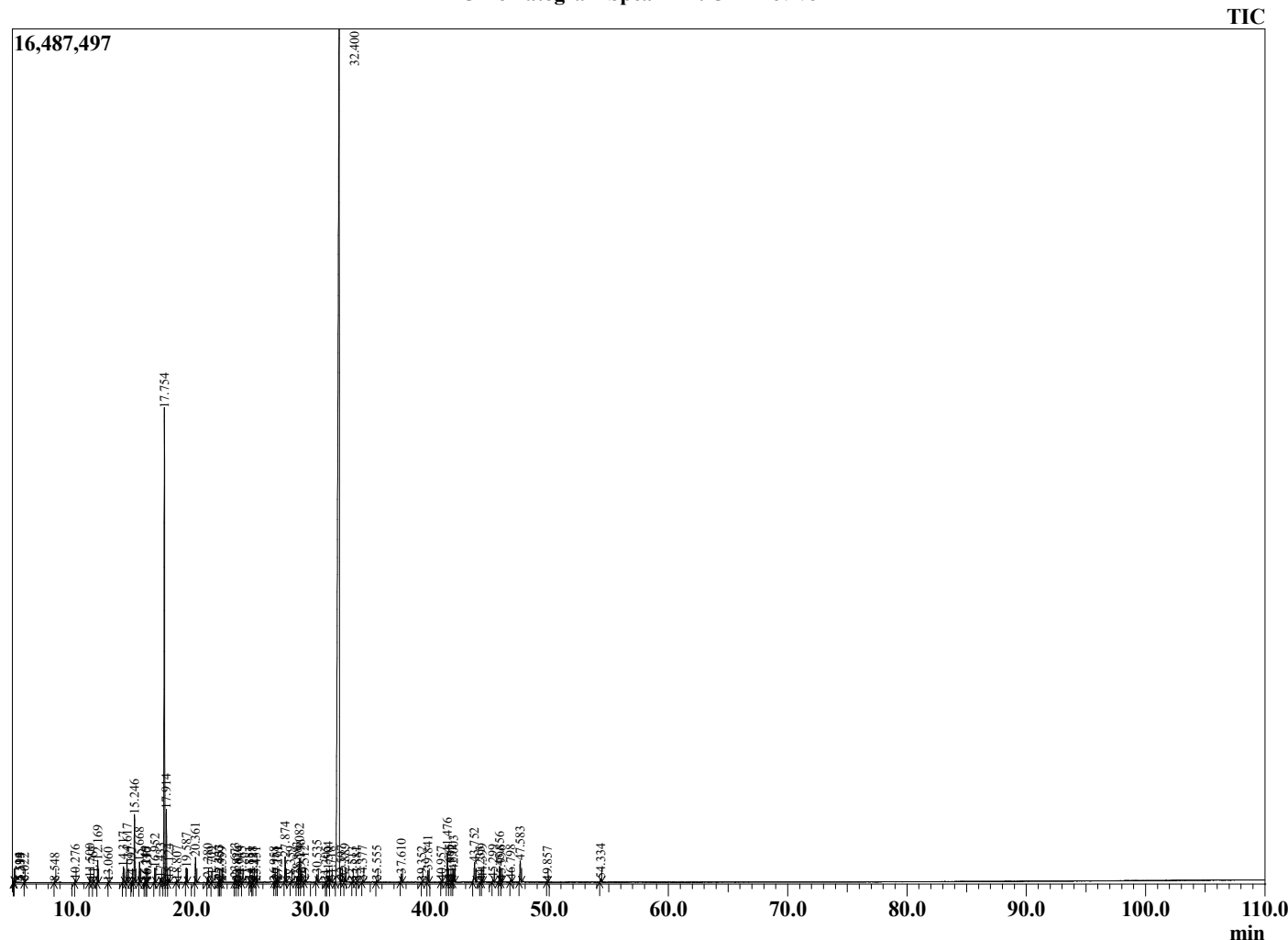
Analyzed by : Dr. Robert S. Pappas
 Analyzed : 7/28/2023 8:03:49 PM
 Sample Type : Essential Oil
 Sample Name : Spearmint Oil - Revive
 Sample ID : 1J
 Injection Volume : 0.10
 Instrument ID: : GC-3



Peak Report TIC

R.Time	Name	Area%
3.701	Isobutanol	0.01
3.999	Isovaleric aldehyde	0.06
4.102	2-Methylbutanal	0.03
4.535	Unidentified	0.01
5.119	Pentanol	0.02
5.194	2-Methylbutanol	0.02
6.022	Methyl alpha-Methylbutyrate	0.01
8.548	cis-3-Hexenol	0.03
10.276	2,5-Diethyltetrahydrofuran	0.07
11.500	Hashishene	0.10
11.767	alpha-Phellandrene	0.05
12.169	alpha-Pinene	0.57
13.060	Camphene	0.02
14.317	Sabinene	0.45
14.617	beta-Pinene	0.68
14.997	Octan-3-one	0.02
15.246	Myrcene	1.99
15.668	Octan-3-ol	0.59
16.149	Unidentified	0.05
16.215	Unidentified	0.02
16.310	Unidentified	0.01
16.952	alpha-Terpinene	0.44
17.433	para-Cymene	0.15
17.754	Limonene	15.64
17.914	1,8-cineole	2.23
18.124	cis-beta-Ocimene	0.11
18.807	trans-beta-Ocimene	0.07
19.587	gamma-Terpinene	0.46
20.361	trans-Sabinene hydrate	0.83
21.380	Terpinolene	0.13
21.709	Dehydro-para-cymene	0.02
22.333	Linalool	0.08
22.407	trans-Sabinene hydrate	0.07
22.559	3-Methylbutyl-2-methylbutyrate	0.02
23.673	3-Octyl acetate	0.14
23.826	Unidentified	0.02
24.014	cis-para-Menth-2-en-1-ol	0.05
24.265	Unidentified	0.02
24.881	Unidentified	0.01
25.128	trans-Pinocarveol	0.02
25.237	Unidentified	0.02
25.451	Unidentified	0.01
26.958	Unidentified	0.03
27.161	delta-Terpineol	0.07
27.271	endo-Borneol	0.03
27.874	Terpinen-4-ol	0.91
28.359	Unidentified	0.02
28.883	alpha-Terpineol	0.22
29.082	cis-Dihydrocarvone	0.99
29.176	1,6-Dihydrocarveol	0.26
29.512	trans-Dihydrocarvone	0.06
30.535	trans-Carveol	0.31
31.305	Unidentified	0.03
31.504	cis-Carveol	0.28
31.718	cis-3-hexenyl-Isovalerate	0.05
32.400	Carvone	65.50
32.597	Carvotanacetone	0.06
32.889	Piperitone	0.13
33.513	Carvone oxide	0.03
33.881	Unidentified	0.03
34.377	Carvone oxide	0.06
35.555	Unidentified	0.05

Chromatogram Spearmint Oil - Revive



Comments:

The analysis of this Spearmint batch sample meets the expected chemical profile for authentic essential oil of *Mentha spicata*. 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%
37.610	Dihydrocarvyl acetate	0.30
39.352	Eugenol	0.03
39.841	trans-Carveyl acetate	0.45
40.957	alpha-Copaene	0.03
41.476	beta-Bourbonene	1.18
41.665	alpha-Bourbonene	0.08
41.852	beta-Elemene	0.08
42.003	trans-Jasmone	0.43
43.752	beta-Caryophyllene	0.92
44.235	Unidentified	0.02
44.399	beta-Copaene	0.13
45.299	Isogermacrene D	0.11
45.856	cis-beta-Farnesene	0.60
45.996	alpha-Humulene	0.06
46.798	beta-Copaene	0.08
47.583	Germacrene D	0.84
49.857	Unidentified	0.03
54.334	Viridiflorol	0.13
		100.00