

Sample Information

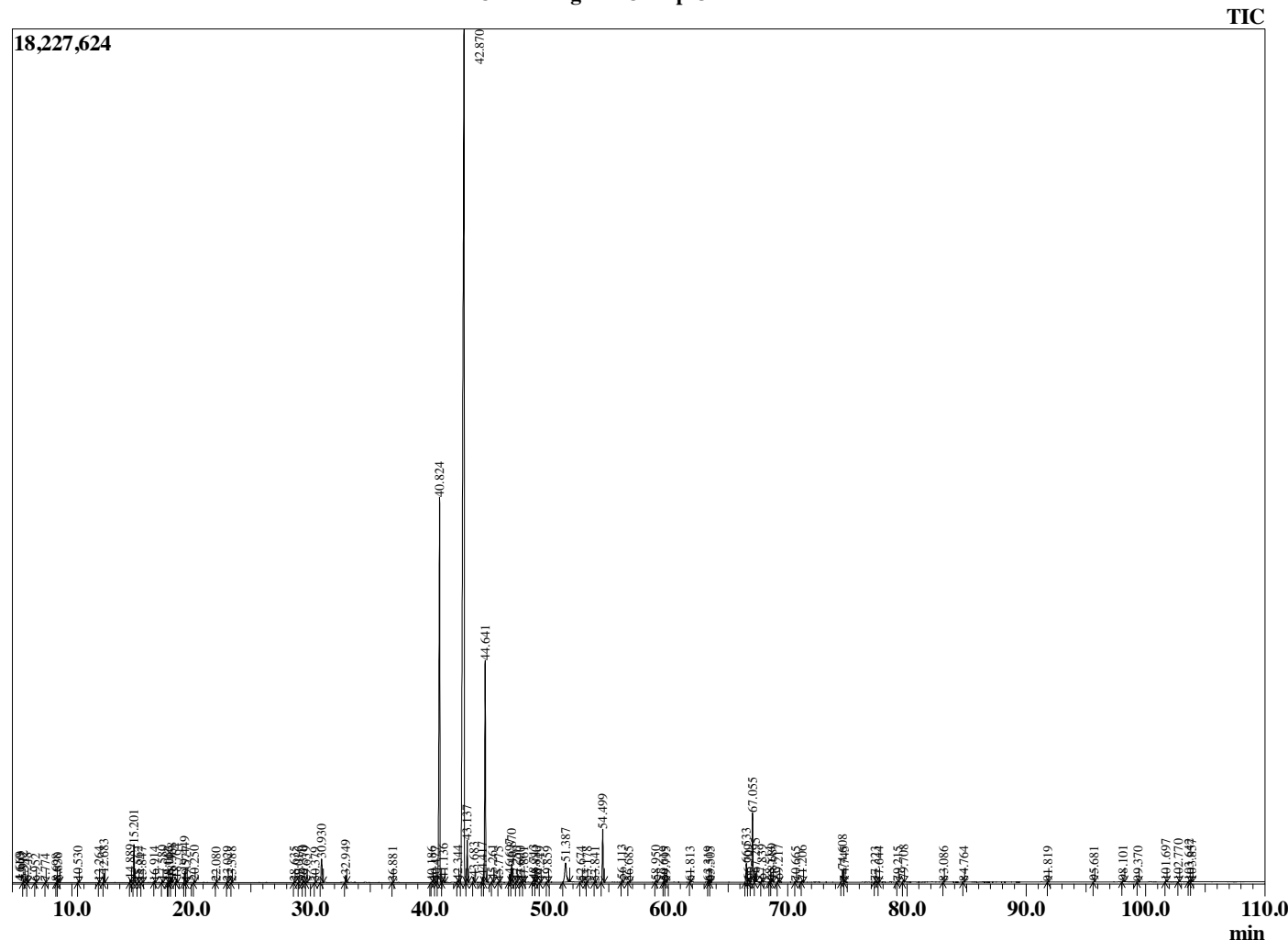
Analyzed by : Dr. Robert S. Pappas
 Analyzed : 5/8/2022 8:44:23 AM
 Sample Type : Essential Oil
 Sample Name : Catnip Oil - Revive
 Sample ID : 1C
 Injection Volume : 0.10
 Instrument ID : GC-3



Peak Report TIC

R.Time	Name	Area%
4.100	3-Methylbutanal	0.02
4.208	2-Methylbutanal	0.02
4.610	Pentan-3-one	0.01
4.669	2-Ethylfuran	0.04
5.912	Unidentified	0.09
6.248	Methyl 2-methylbutyrate	0.02
6.952	Hexanal	0.01
7.774	Unidentified	0.01
8.698	Unidentified	0.01
8.830	Hex-2(E)-enal	0.06
10.530	Styrene	0.04
12.264	alpha-Thujene	0.02
12.683	alpha-Pinene	0.24
14.889	Sabinene	0.09
15.201	beta-Pinene	1.09
15.562	3-Octanone	0.03
15.847	Unidentified	0.02
16.914	alpha-Phellandrene	0.02
17.580	alpha-Terpinene	0.04
18.062	para-Cymene	0.02
18.146	1-Acetylcyclohexene	0.02
18.368	Limonene	0.14
18.764	(Z)-beta-Ocimene	0.10
19.449	(E)-beta-Ocimene	0.33
19.577	Unidentified	0.02
20.250	gamma-Terpinene	0.05
22.080	Unidentified	0.01
23.029	Linalool	0.04
23.388	Nonanal	0.02
28.635	Terpinen-4-ol	0.03
29.016	(E)-Anethofuran	0.02
29.370	Methyl salicylate	0.07
29.639	Terpineol	0.02
30.379	Unidentified	0.02
30.930	Unidentified	1.18
32.949	Carvone	0.23
36.881	Tridecane	0.01
40.186	Eugenol	0.03
40.477	Unidentified	0.04
40.824	4a-alpha,7-alpha,7a-alpha-Nepetalactone	16.60
41.136	Nepetalactone isomer	0.14
42.344	Unidentified	0.07
42.870	4a-alpha,7-beta,7a-alpha-Nepetalactone	58.07
43.137	Nepetalactone isomer	1.37
43.683	cis-beta-Caryophyllene	0.19
44.417	Unidentified	0.20
44.641	trans-beta-Caryophyllene	8.34
45.261	Unidentified	0.10
45.775	Unidentified	0.01
46.697	(E)-beta-Farnesene	0.31
46.870	alpha-Humulene	0.68
47.250	Unidentified	0.04
47.600	Unidentified	0.02
47.861	Unidentified	0.02
48.713	Unidentified	0.13
48.880	Unidentified	0.02
49.249	Unidentified	0.01
49.859	Unidentified	0.05
51.387	Nepetic acid	1.62
52.674	Unidentified	0.05
53.178	Unidentified	0.02
53.841	(3Z)-3-Hexenyl benzoate	0.02

Chromatogram Catnip Oil - Revive



Comments:

The analysis of this Catnip batch sample meets the expected chemical profile for authentic essential oil of *Nepeta cataria*. 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%
54.499	Caryophyllene oxide	1.96
56.113	Humulene epoxide II	0.09
56.685	Unidentified	0.03
58.950	Unidentified	0.07
59.619	Unidentified	0.03
59.795	Unidentified	0.03
61.813	Unidentified	0.01
63.319	Unidentified	0.02
63.505	Unidentified	0.02
66.533	Unidentified	0.70
66.709	Unidentified	0.12
67.055	Nepetalic acid	2.79
67.295	Unidentified	0.33
67.839	Unidentified	0.10
68.514	Unidentified	0.05
68.689	Phytone	0.14
69.217	Unidentified	0.09
70.665	Unidentified	0.03
71.206	Unidentified	0.06
74.608	Unidentified	0.52
74.745	Unidentified	0.02
77.323	Unidentified	0.02
77.644	Unidentified	0.01
79.215	Unidentified	0.02
79.708	Unidentified	0.08
83.086	Unidentified	0.02
84.764	Unidentified	0.02
91.819	Unidentified	0.01
95.681	Unidentified	0.02
98.101	Unidentified	0.08
99.370	Unidentified	0.02
101.697	Unidentified	0.05
102.770	Unidentified	0.02
103.642	Unidentified	0.03
103.857	Unidentified	0.05
		100.00