

Sample Information

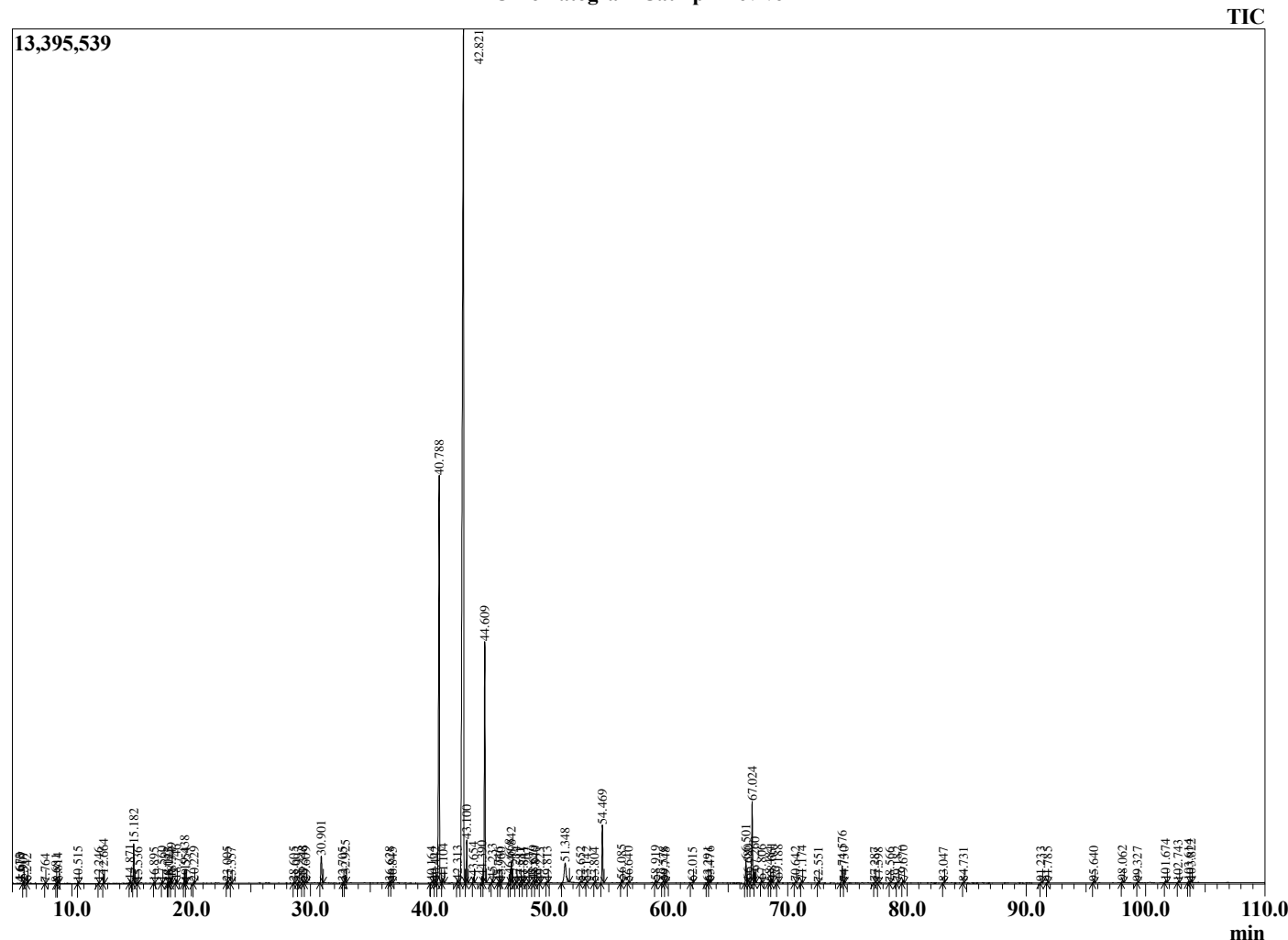
Analyzed by : Dr. Robert S. Pappas
 Analyzed : 6/8/2021 5:33:18 AM
 Sample Type : Essential Oil
 Sample Name : Catnip - Revive
 Sample ID : 1039
 Injection Volume : 0.10
 Instrument ID: : GC-3



Peak Report TIC

R.Time	Name	Area%
4.101	3-Methylbutanal	0.03
4.210	2-Methylbutanal	0.02
4.613	3-Pentanone	0.01
4.670	2-Ethylfuran	0.03
5.907	Unidentified	0.07
6.242	Methyl 2-methylbutyrate	0.03
7.764	(E,E)-1,3,6-Octatriene	0.01
8.681	3-Methylcyclopentanone	0.01
8.814	Hex-2(E)-enal	0.05
10.515	Styrene	0.04
12.246	alpha-Thujene	0.02
12.664	alpha-Pinene	0.23
14.871	Sabinene	0.09
15.182	beta-Pinene	1.04
15.536	3-Octanone	0.04
16.895	alpha-Phellandrene	0.02
17.560	alpha-Terpinene	0.05
18.042	para-Cymene	0.03
18.125	1-Acetyl-1-cyclohexene	0.02
18.349	Limonene	0.14
18.746	(Z)-beta-Ocimene	0.10
19.438	(E)-beta-Ocimene	0.33
19.554	Unidentified	0.02
20.229	gamma-Terpinene	0.05
23.005	Linalool	0.04
23.357	Nonanal	0.02
28.605	Terpinen-4-ol	0.04
28.993	Anethofuran	0.03
29.348	Methyl salicylate	0.11
29.609	alpha-Terpineol	0.03
30.901	Unidentified	1.33
32.705	Unidentified	0.02
32.925	Carvone	0.25
36.628	Carvacrol	0.04
36.845	Tridecane	0.02
40.164	Eugenol	0.05
40.442	Unidentified	0.06
40.788	4a-alpha,7-alpha,7a-alpha-Nepetalactone	16.78
41.104	Nepetalactone isomer	0.17
42.313	Unidentified	0.08
42.821	4a-alpha,7-beta,7a-alpha-Nepetalactone	55.11
43.100	Nepetalactone isomer	1.43
43.654	cis-beta-Caryophyllene	0.20
44.390	Unidentified	0.24
44.609	trans-beta-Caryophyllene	8.59
45.233	Unidentified	0.12
45.746	Unidentified	0.02
45.960	Unidentified	0.02
46.668	(E)-beta-Farnesene	0.32
46.842	alpha-Humulene	0.74
47.214	Unidentified	0.05
47.581	Unidentified	0.02
47.841	Unidentified	0.02
48.207	trans-beta-Ionone	0.02
48.679	Unidentified	0.18
48.840	Unidentified	0.05
49.223	Unidentified	0.01
49.813	Unidentified	0.05
51.348	Nepetic acid	1.83
52.652	Unidentified	0.05
53.142	Unidentified	0.02
53.804	(3Z)-3-Hexenyl benzoate	0.02

Chromatogram Catnip - 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%
54.469	Caryophyllene oxide	2.18
56.085	Humulene epoxide II	0.11
56.640	Unidentified	0.03
58.919	Unidentified	0.09
59.578	Unidentified	0.09
59.748	Unidentified	0.02
62.015	Pentadecanal	0.04
63.291	Unidentified	0.04
63.476	Unidentified	0.03
66.501	Unidentified	0.85
66.680	Unidentified	0.17
67.024	Nepetalic acid	3.11
67.260	Unidentified	0.40
67.806	Unidentified	0.11
68.484	Unidentified	0.07
68.661	Phytone	0.18
69.188	Unidentified	0.13
70.642	Unidentified	0.04
71.174	Unidentified	0.09
72.551	Unidentified	0.02
74.576	Unidentified	0.75
74.730	Unidentified	0.04
77.287	Unidentified	0.03
77.598	Unidentified	0.02
78.566	Unidentified	0.01
79.182	Unidentified	0.03
79.670	Unidentified	0.11
83.047	Unidentified	0.03
84.731	Unidentified	0.02
91.233	Unidentified	0.04
91.785	Unidentified	0.04
95.640	Unidentified	0.05
98.062	Unidentified	0.11
99.327	Unidentified	0.02
101.674	Unidentified	0.09
102.743	Unidentified	0.04
103.614	Unidentified	0.06
103.822	Unidentified	0.08
		100.00