

Sample Information

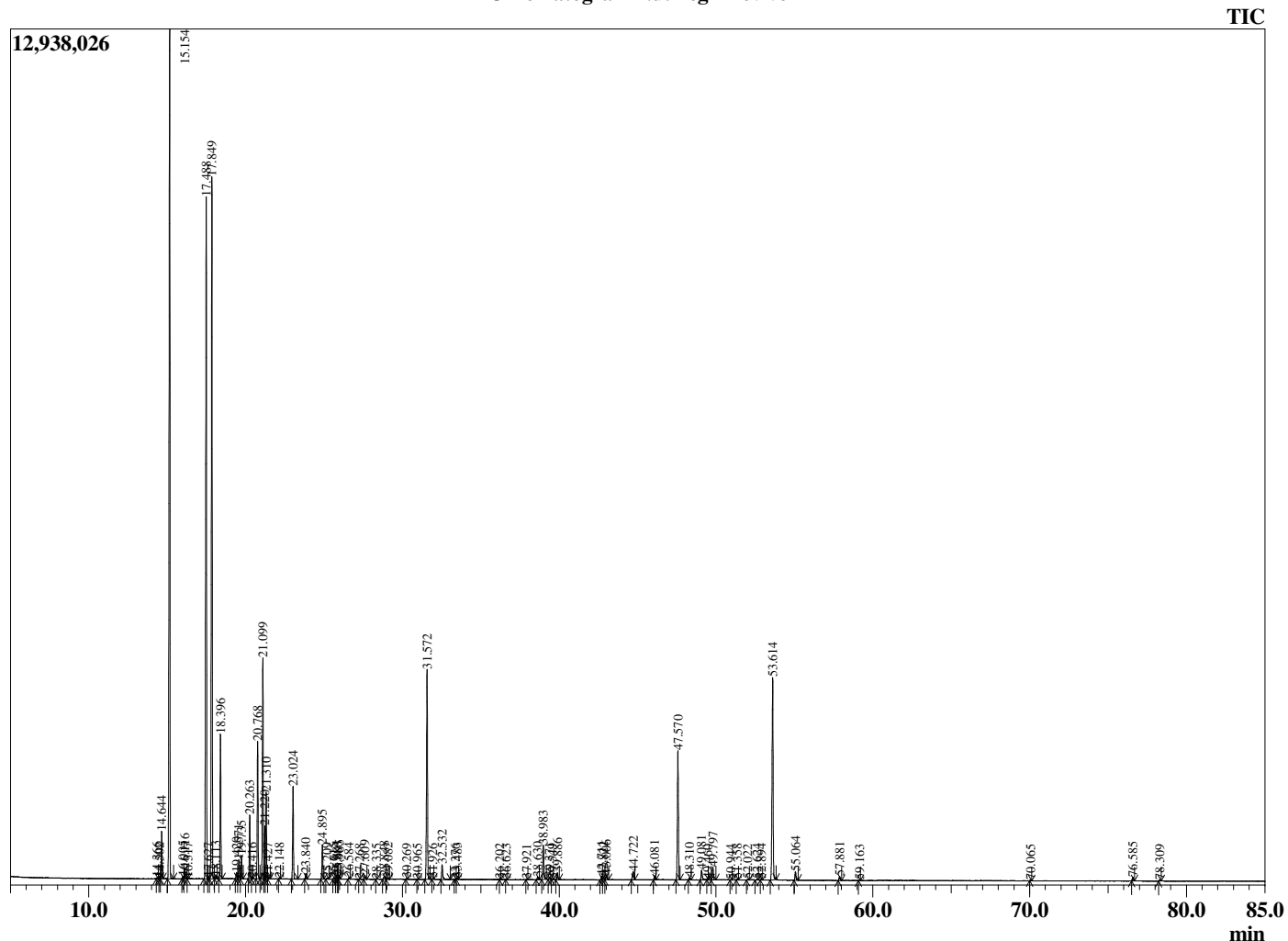
Analyzed by : Dr. Robert S. Pappas
 Analyzed : 6/15/2020 6:49:55 PM
 Sample Type : Essential Oil
 Sample Name : Nutmeg - Revive
 Sample ID : 8397
 Injection Volume : 0.10
 Instrument ID : GC-2



Peak Report TIC

R.Time	Name	Area%
14.366	Hashishene	0.03
14.502	Tricyclene	0.01
14.644	alpha-Thujene	1.00
15.154	alpha-Pinene	21.66
16.005	alpha-Fenchene	0.05
16.116	Camphene	0.22
16.317	Thuja-2,4(10)diene	0.01
17.488	Sabinene	17.75
17.627	Unidentified	0.03
17.849	beta-Pinene	17.83
18.113	Camphene	0.07
18.396	Myrcene	3.24
19.420	Pseudolimonene	0.14
19.571	alpha-Phellandrene	0.44
19.735	delta-3-Carene	0.53
20.263	alpha-Terpinene	1.48
20.416	ortho-Cymene	0.02
20.768	para-Cymene	3.25
21.099	Limonene	5.37
21.220	beta-Phellandrene	1.19
21.310	1,8-cineole	1.97
21.427	cis-beta-Ocimene	0.03
22.148	trans-beta-Ocimene	0.02
23.024	gamma-Terpinene	2.22
23.840	trans-Sabinene hydrate	0.14
24.895	Terpinolene	0.85
25.209	para-Cymene	0.04
25.615	Unidentified	0.02
25.801	Linalool	0.08
25.886	alpha-Pinene oxide	0.06
25.965	cis-Sabinene hydrate	0.08
26.584	Unidentified	0.04
27.268	alpha-Fenchol	0.01
27.609	cis-para-Menth-2-en-1-ol	0.10
28.335	Unidentified	0.01
28.848	trans-para-Menth-2-en-1-ol	0.10
29.082	trans-Verbenol	0.04
30.269	Pinocarvone	0.02
30.965	Borneol	0.01
31.572	Terpinen-4-ol	5.74
31.926	para-Cymen-8-ol	0.01
32.532	alpha-Terpineol	0.46
33.376	Verbenone	0.02
33.483	trans-Piperitol	0.03
36.202	Geraniol	0.02
36.623	Unidentified	0.01
37.921	Unidentified	0.01
38.630	Bornyl acetate	0.07
38.983	Safrole	0.97
39.371	Unidentified	0.05
39.549	Unidentified	0.01
39.886	Unidentified	0.19
42.711	alpha-Terpinyl acetate	0.10
42.822	Unidentified	0.09
43.006	Eugenol	0.14
44.722	alpha-Copaene	0.30
46.081	Methyleugenol	0.12
47.570	beta-Caryophyllene	3.77
48.310	trans-alpha-Bergamotene	0.06
49.081	trans-Isoeugenol	0.37
49.460	Unidentified	0.01
49.797	alpha-Humulene	0.36

Chromatogram Nutmeg - Revive



Comments:

The analysis of this Nutmeg batch sample meets the expected chemical profile for authentic essential oil of *Myristica fragrans*. 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%
50.944	Unidentified	0.01
51.358	Germacrene D	0.03
52.022	trans-Methyl isoeugenol	0.02
52.624	(E,E)-alpha-Farnesene	0.04
52.894	beta-Bisabolene	0.04
53.614	Myristicin	6.25
55.064	Elemicin	0.23
57.881	Methoxyeugenol	0.12
59.163	Unidentified	0.02
70.065	Unidentified	0.02
76.585	Myrcene dimer I	0.11
78.309	Myrcene dimer II	0.04
		100.00