

Sample Information

Analyzed by : Dr. Robert S. Pappas
 Analyzed : 4/6/2019 3:21:51 AM
 Sample Type : Essential Oil
 Sample Name : Sweet Marjoram - Edens Garden
 Sample ID : AI26CI
 Injection Volume : 0.10
 Instrument ID : GC-2

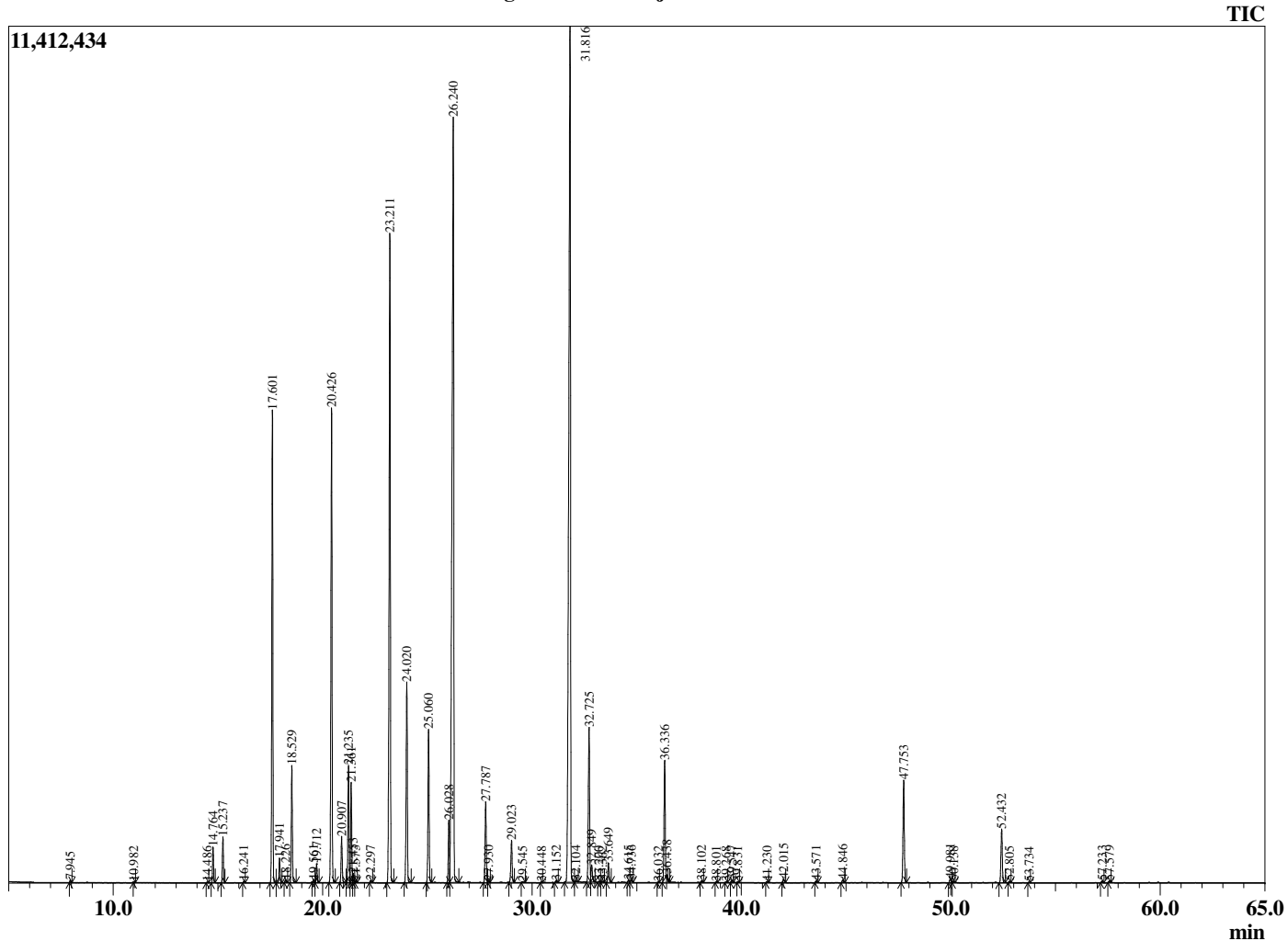


Peak Report TIC

R.Time	Name	Area%
7.945	Methyl 2-methylbutyrate	0.03
10.982	Hex-3(Z)-enol	0.01
14.486	Hashishene	0.01
14.764	alpha-Thujene	0.53
15.237	alpha-Pinene	0.69
16.241	Camphene	0.02
17.601	Sabinene	7.50
17.941	beta-Pinene	0.39
18.226	3-Octanone	0.04
18.529	Myrcene	1.89
19.561	Pseudolimonene	0.05
19.712	alpha-Phellandrene	0.32
20.426	alpha-Terpinene	8.11
20.907	para-Cymene	0.79
21.235	Limonene	2.02
21.361	beta-Phellandrene	1.68
21.453	1,8-Cineole	0.13
21.573	cis-beta-Ocimene	0.03
22.297	trans-beta-Ocimene	0.04
23.211	gamma-Terpinene	12.34
24.020	trans-Sabinene hydrate	3.63
25.060	Terpinolene	2.71
26.028	Linalool	1.06
26.240	cis-Sabinene hydrate	20.76
27.787	cis-para-Menth-2-en-1-ol	1.50
27.930	alpha-Campholenal	0.03
29.023	trans-para-Menth-2-en-1-ol	0.83
29.545	Unidentified	0.02
30.448	Pinocarvone	0.01
31.152	Borneol	0.04
31.816	Terpinen-4-ol	22.67
32.104	para-Cymen-8-ol	0.03
32.725	alpha-Terpineol	3.04
32.849	cis-Piperitol	0.35
33.200	Unidentified	0.02
33.362	trans-Dihydrocarvone	0.02
33.649	trans-Piperitol	0.38
34.615	Unidentified	0.04
34.736	Citronellol	0.05
36.032	Carvone	0.01
36.336	Linalyl acetate	2.48
36.438	Unidentified	0.02
38.102	cis-Ascrinol glycol	0.03
38.801	Bornyl acetate	0.01
39.268	trans-Ascrinol glycol	0.01
39.547	Unidentified	0.05
39.831	Tridecane	0.01
41.230	Unidentified	0.02
42.015	delta-Elemene	0.07
43.571	Neryl acetate	0.03
44.846	Geranyl acetate	0.06
47.753	beta-Caryophyllene	2.07
49.981	alpha-Humulene	0.08
50.138	Unidentified	0.02
52.432	Bicyclogermacrene	1.11
52.805	(E,E)-alpha-Farnesene	0.02
53.734	delta-Cadinene	0.01
57.233	Spathulenol	0.03
57.579	Caryophyllene oxide	0.03
		100.00

This report is valid for 1 year from the analyzed date.

Chromatogram Sweet Marjoram - Edens Garden



Comments:

The analysis of this Marjoram, Sweet batch sample meets the expected chemical profile for authentic essential oil of *Origanum majorana*. No contamination or adulteration was detected.