

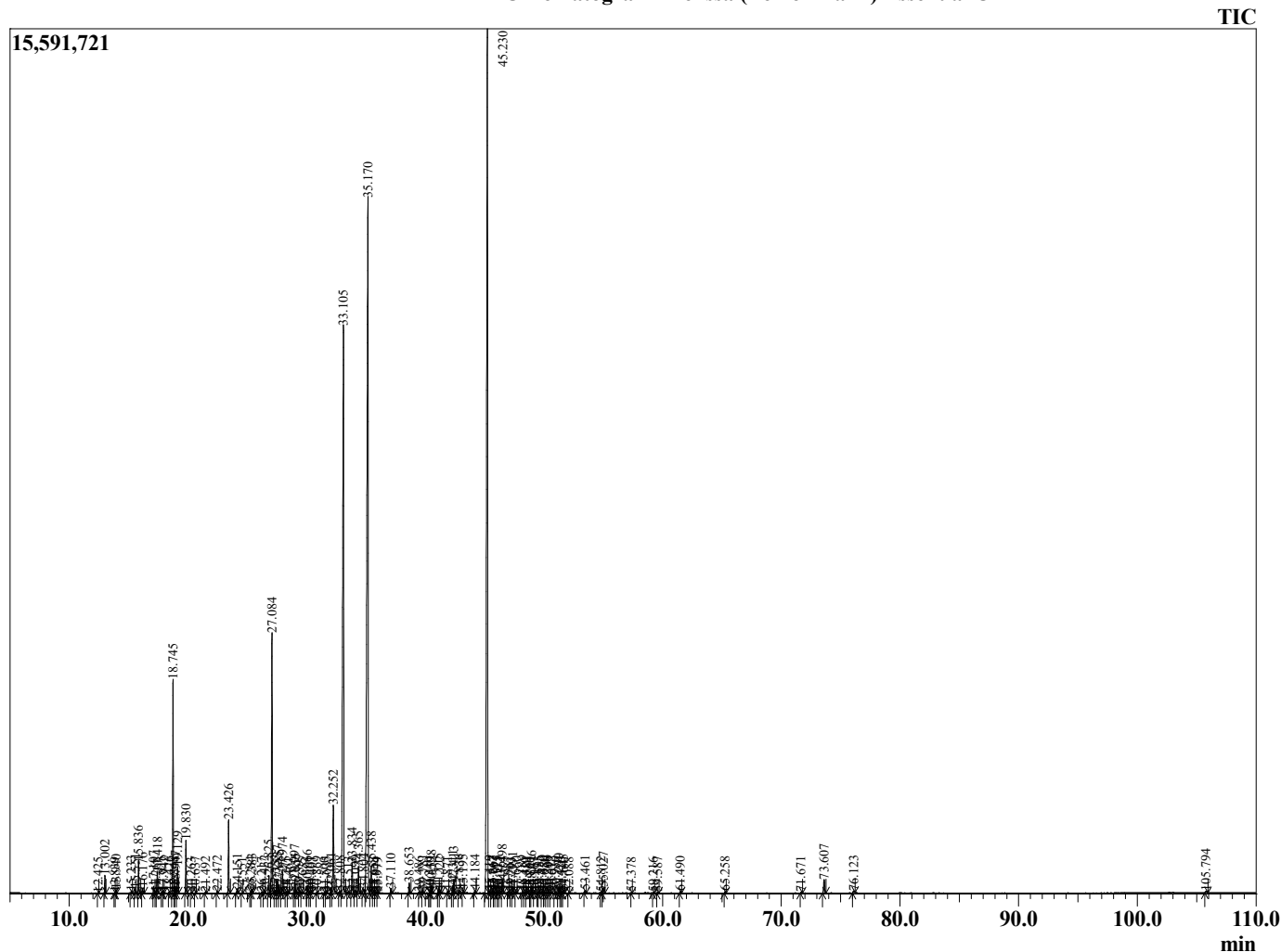
Sample Information

Analyzed by : J. Scalf
 Analyzed : 6/19/2024 6:59:30 PM
 Sample Type : Essential Oil
 Sample Name : Melissa (Lemon Balm) Essential Oil
 Injection Volume : 0.10 µL
 Lot Number : 13214
 Instrument ID : GC-2

Peak Report TIC

R.Time	Name	Area%
12.425	Tricyclene	0.01
13.002	alpha-Pinene	0.30
13.839	alpha-Fenchene	0.01
13.940	Camphene	0.06
15.233	Sabinene	0.04
15.551	beta-Pinene	0.08
15.836	6-Methyl-hept-5-en-2-one	0.56
16.176	Myrcene	0.10
17.107	Hex-(3Z)-enyl acetate	0.13
17.268	alpha-Phellandrene	0.01
17.418	delta-3-Carene	0.39
17.816	1,4-Cineole	0.03
17.942	alpha-Terpinene	0.02
18.426	para-Cymene	0.03
18.745	Limonene	4.12
18.848	beta-Phellandrene	0.01
18.947	1,8-Cineole	0.13
19.129	cis-beta-Ocimene	0.50
19.830	trans-beta-Ocimene	0.99
20.263	Bergamal	0.01
20.637	gamma-Terpinene	0.02
21.492	Unidentified	0.03
22.472	Terpinolene	0.04
23.426	Linalool	1.45
24.151	cis-Rose oxide	0.10
24.551	Unidentified	0.01
25.284	trans-Rose oxide	0.03
25.383	allo-Ocimene	0.08
26.217	neo-allo-Ocimene	0.01
26.432	exo-Isocitral	0.04
26.825	Isopulegol	0.38
27.084	Citronellal	5.87
27.353	Menthone	0.07
27.537	Neoisopulegol	0.28
27.685	Isoneral	0.17
27.974	Isomenthone	0.46
28.275	Isoisopulegol	0.03
28.461	Borneol	0.02
28.997	Isogeranial	0.29
29.055	Terpinen-4-ol	0.07
29.397	Unidentified	0.07
29.635	Menthol	0.01
30.066	alpha-Terpineol	0.17
30.261	Unidentified	0.02
30.407	trans-Piperitol	0.03
30.869	Unidentified	0.02
31.500	Unidentified	0.01
31.635	trans-Isopiperitenol	0.03
32.061	Nerol	0.12
32.252	Citronellol	2.33
32.808	Unidentified	0.06
33.105	Neral	18.77
33.513	Methyl citronellate	0.03
33.834	Geraniol	0.68
34.099	Piperitone	0.06
34.365	Methyl citronellate	0.60
34.804	Unidentified	0.13
35.170	Geranial	27.27
35.438	Citronellyl formate	0.59
35.653	Geranyl formate	0.03
35.844	Unidentified	0.02
35.979	trans-Carvone oxide	0.02

Chromatogram Melissa (Lemon Balm) Essential Oil



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R.Time	Name	Area%
37.110	Geranyl formate	0.10
38.653	Methyl geranate	0.22
39.486	Unidentified	0.02
39.781	Citriodiol	0.06
40.340	alpha-Terpinyl acetate	0.01
40.419	alpha-Cubebene	0.02
40.538	Citronellyl acetate	0.18
41.115	Neryl acetate	0.10
41.222	Citriodiol	0.04
41.871	Unidentified	0.04
42.311	alpha-Copaene	0.17
42.413	Geranyl acetate	0.25
42.836	beta-Bourbonene	0.06
43.195	beta-Elmene	0.06
44.184	cis-beta-Caryophyllene	0.07
45.230	beta-Caryophyllene	28.07
45.419	Unidentified	0.05
45.663	Unidentified	0.06
45.767	beta-Copaene	0.03
45.975	trans-alpha-Bergamotene	0.05
46.115	alpha-Guaiene	0.02
46.361	Citronellyl propionate	0.05
46.498	Guaia-6,9-diene	0.32
46.987	Unidentified	0.03
47.203	trans-beta-Farnesene	0.01
47.391	alpha-Humulene	0.15
47.660	Alloaromodendrene	0.02
48.189	Geranyl propionate	0.04
48.410	trans-Cadina-1(6),4-diene	0.02
48.581	gamma-Cadinene	0.03
48.850	Unidentified	0.01
48.976	Germacrene D	0.17
49.167	Unidentified	0.01
49.473	beta-Selinene	0.01
49.585	Viridiflorene	0.06
49.870	Bicyclogermacrene	0.05
50.050	alpha-Murolene	0.03
50.266	cis,trans-alpha-Farnesene	0.02
50.399	trans,trans-alpha-Farnesene	0.04
50.612	beta-Bisabolene	0.03
50.930	gamma-Cadinene	0.03
51.230	delta-Cadinene	0.10
51.420	cis-Calamenene	0.01
51.516	Zonarene	0.01
51.645	Citronellyl butyrate	0.08
52.088	trans-Cadina-1,4-diene	0.01
53.461	Geranyl butyrate	0.05
54.812	Unidentified	0.02
55.027	Unidentified	0.15
57.378	Unidentified	0.01
59.216	alpha-Cadinol	0.02
59.587	Citronellyl tiglate	0.03
61.490	Geranyl tiglate	0.04
65.258	Benzyl benzoate	0.03
71.671	Unidentified	0.02
73.607	Citriodiol acetal	0.44
76.123	Citriodiol acetal isomer	0.07
105.794	Unidentified	0.06
		100.00