

Sample Information

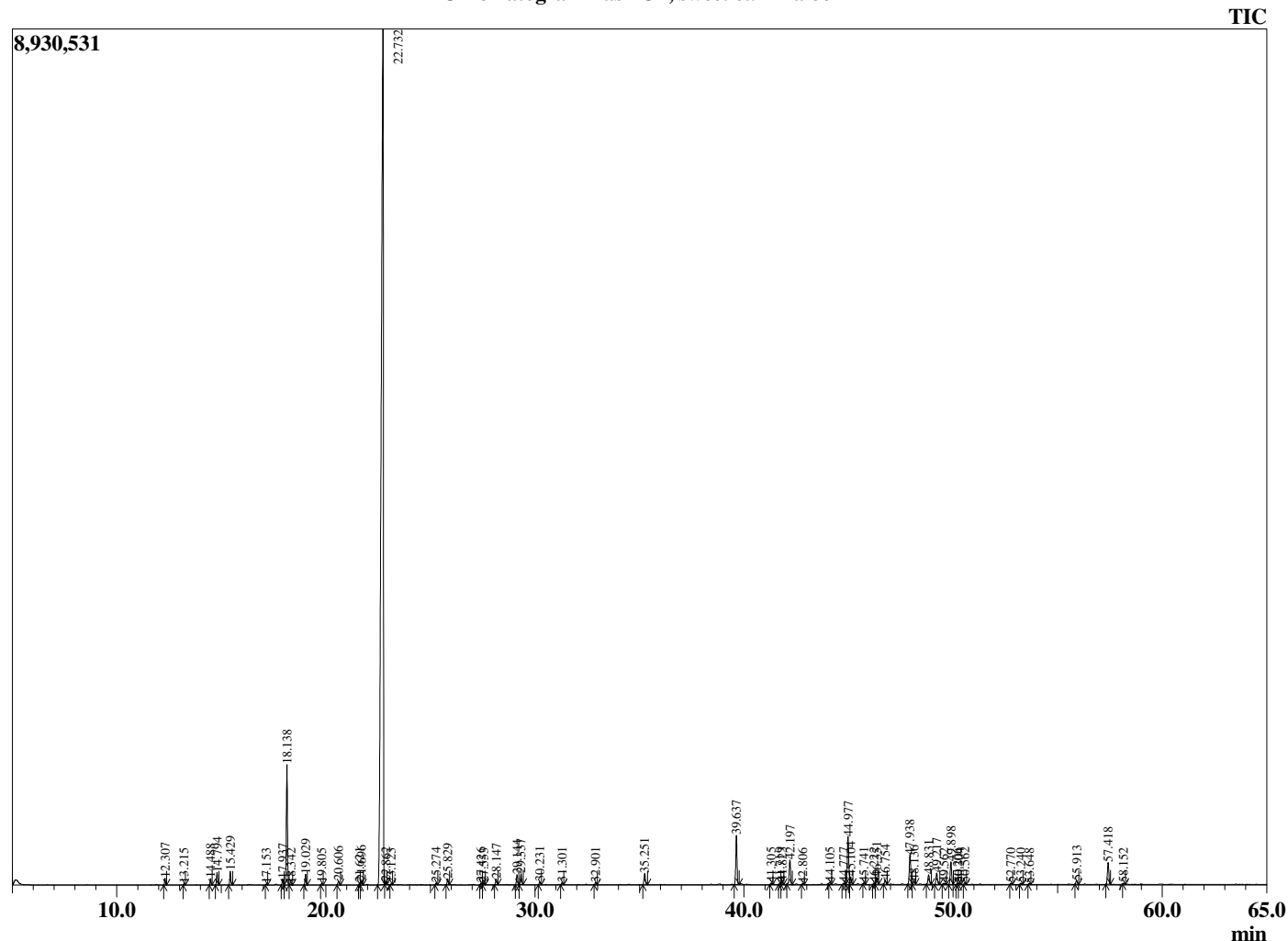
Analyzed by : Dr. Robert S. Pappas
 Analyzed : 9/11/2018 5:06:47 PM
 Sample Type : Essential Oil
 Sample Name : Basil Oil, sweet ct. Linalool
 Sample ID : D0B0911E
 Injection Volume : 0.10
 Instrument ID: : GC-3



Peak Report TIC

R.Time	Name	Area%
12.307	alpha-Pinene	0.25
13.215	Camphene	0.05
14.488	Sabinene	0.25
14.794	beta-Pinene	0.51
15.429	Myrcene	0.56
17.153	alpha-Terpinene	0.04
17.937	Limonene	0.26
18.138	1,8-Cineole	5.28
18.342	Z-beta-Ocimene	0.04
19.029	E-beta-Ocimene	0.45
19.805	gamma-Terpinene	0.07
20.606	trans-Sabinene hydrate	0.20
21.621	Terpinolene	0.09
21.696	trans-Linalool oxide (furanoid)	0.21
22.732	Linalool	74.58
22.862	Hotrienol	0.09
23.123	1-Octen-3-yl acetate	0.04
25.274	Epoxyocimene	0.09
25.829	Camphor	0.28
27.426	delta-Terpineol	0.08
27.553	Borneol	0.08
28.147	Terpinen-4-ol	0.27
29.144	alpha-Terpineol	0.48
29.337	Methyl chavicol	0.51
30.231	Octyl acetate	0.14
31.301	Citronellol	0.11
32.901	Geraniol	0.10
35.251	Bornyl acetate	0.60
39.637	Eugenol	2.47
41.305	alpha-Copaene	0.07
41.719	Unidentified sesquiterpene	0.09
41.823	beta-Bourbonene	0.14
42.197	beta-Elementene	1.35
42.806	Methyleugenol	0.04
44.105	beta-Caryophyllene	0.11
44.777	beta-Gurjunene	0.08
44.977	trans-alpha-Bergamotene	2.67
45.104	alpha-Guaiene	0.40
45.741	trans-Muurolo-3,5-diene	0.06
46.222	E-beta-Farnesene	0.07
46.351	alpha-Humulene	0.37
46.754	cis-Cadina-1(6),4-diene	0.23
47.938	Germacrene D	1.62
48.136	Farnesene isomer	0.17
48.831	Bicyclogermacrene	0.56
49.217	alpha-Bulnesene	0.65
49.562	Unidentified sesquiterpene	0.09
49.898	gamma-Cadinene	1.23
50.206	delta-Cadinene	0.07
50.304	cis-Calemenene	0.07
50.562	beta-Sesquiphellandrene	0.09
52.770	trans-Nerolidol	0.05
53.240	Maaliol	0.06
53.648	Spathulenol	0.05
55.913	Unidentified sesquiterpenoid	0.22
57.418	epi-alpha-Cadinol	1.20
58.152	alpha-Cadinol	0.04
		100.00

Chromatogram Basil Oil, sweet ct. Linalool



Comments:

The analysis of this Basil Oil, Sweet ct. Linalool batch sample meets the expected chemical profile for authentic essential oil of *Ocimum basilicum*. 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.