

Sample Information

Analyzed by : Dr. Robert S. Pappas  
 Analyzed : 1/23/2019 3:38:04 PM  
 Sample Type : Essential Oil  
 Sample Name : Bay Laurel - Barefut  
 Sample ID : laurel-leaf-0104  
 Injection Volume : 0.10  
 Instrument ID : GC-4

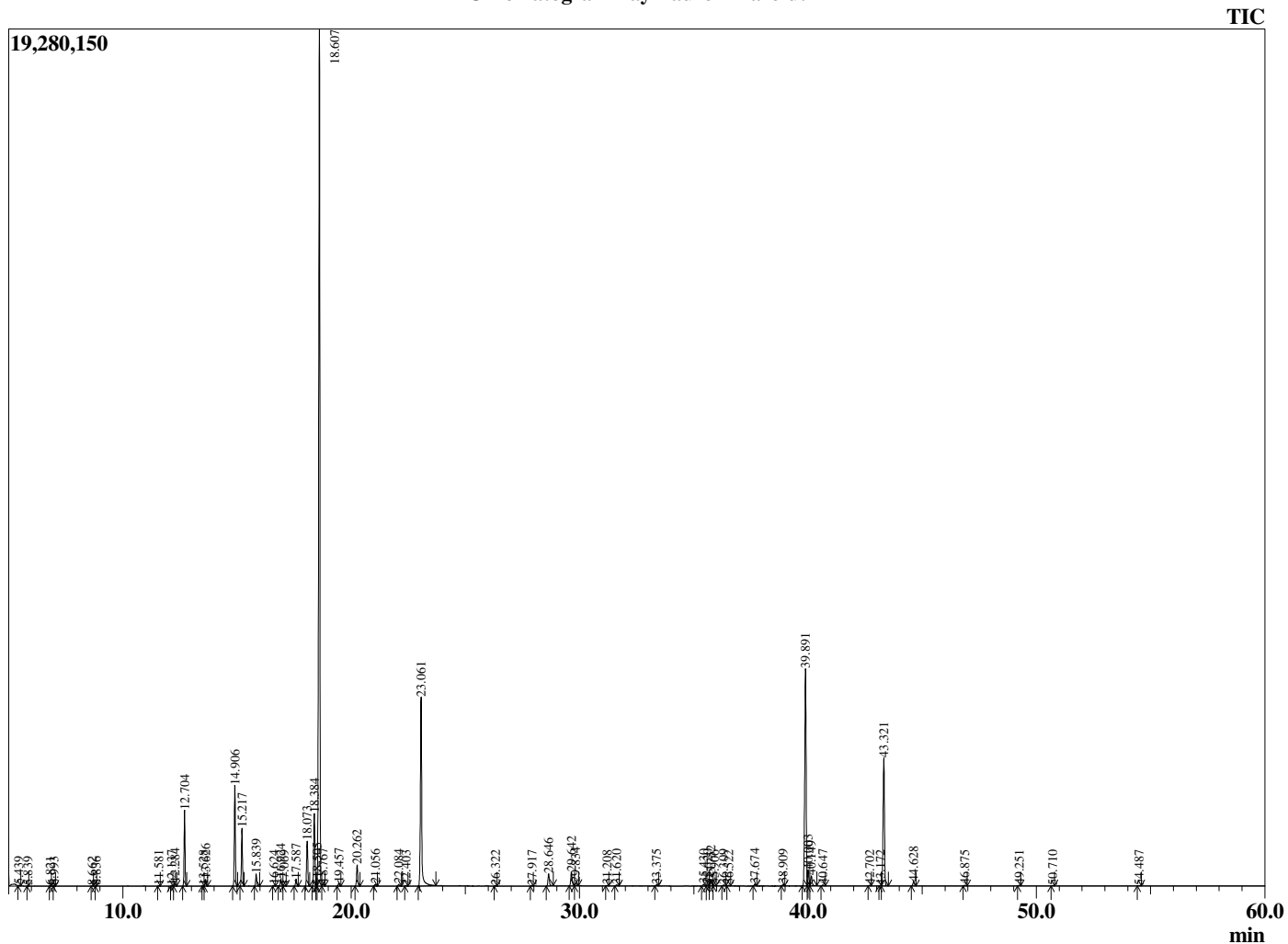


Peak Report TIC

R.Time	Name	Area%
5.439	Methyl pyrrole	0.03
5.839	Ethyl isobutyrate	0.01
6.821	Isopropyl isobutyrate	0.01
6.993	Hexanal	0.02
8.662	Ethyl 2-methylbutyrate	0.01
8.836	Ethyl isovalerate	0.01
11.581	Isobutyl isobutyrate	0.02
12.137	Tricyclene	0.02
12.284	alpha-Thujene	0.12
12.704	alpha-Pinene	3.09
13.528	alpha-Fenchene	0.02
13.626	Camphene	0.29
14.906	Sabinene	4.49
15.217	beta-Pinene	2.56
15.839	Myrcene	0.56
16.624	Isobutyl 2-methylbutyrate	0.04
16.924	alpha-Phellandrene	0.35
17.069	delta-3-Carene	0.03
17.587	alpha-Terpinene	0.34
18.073	para-Cymene	2.23
18.384	Limonene	3.81
18.505	beta-Phellandrene	0.20
18.607	1,8-cineole	43.85
18.767	cis-beta-Ocimene	0.12
19.457	trans-beta-Ocimene	0.14
20.262	gamma-Terpinene	1.06
21.056	trans-Sabinene hydrate	0.08
22.084	Terpinolene	0.10
22.403	2-Nonanone	0.03
23.061	Linalool	10.91
26.322	Camphor	0.03
27.917	delta-Terpineol	0.03
28.646	Terpinen-4-ol	0.71
29.642	alpha-Terpineol	0.82
29.834	Estragole	0.16
31.208	alpha-Fenchyl acetate	0.03
31.620	Nerol	0.06
33.375	Linalyl acetate	0.07
35.430	Unidentified	0.10
35.620	Unidentified	0.06
35.752	Bornyl acetate	0.32
35.906	Isobornyl acetate	0.04
36.309	2-Undecanone	0.06
36.522	Unidentified	0.04
37.674	Unidentified	0.12
38.909	Unidentified	0.09
39.891	alpha-Terpinyl acetate	13.12
40.003	gamma-Terpinyl acetate	0.86
40.149	Eugenol	0.61
40.647	Neryl acetate	0.05
42.702	beta-Elementene	0.03
43.172	Unidentified	0.02
43.321	Methyleugenol	7.62
44.628	beta-Caryophyllene	0.26
46.875	alpha-Humulene	0.05
49.251	Methyl isoeugenol	0.05
50.710	delta-Cadinene	0.03
54.487	Caryophyllene oxide	0.02
		100.00

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

Chromatogram Bay Laurel - Barefut



Comments:

The analysis of this Bay Laurel batch sample meets the expected chemical profile for authentic essential oil of *Laurus nobilis*. No contamination or adulteration was detected.