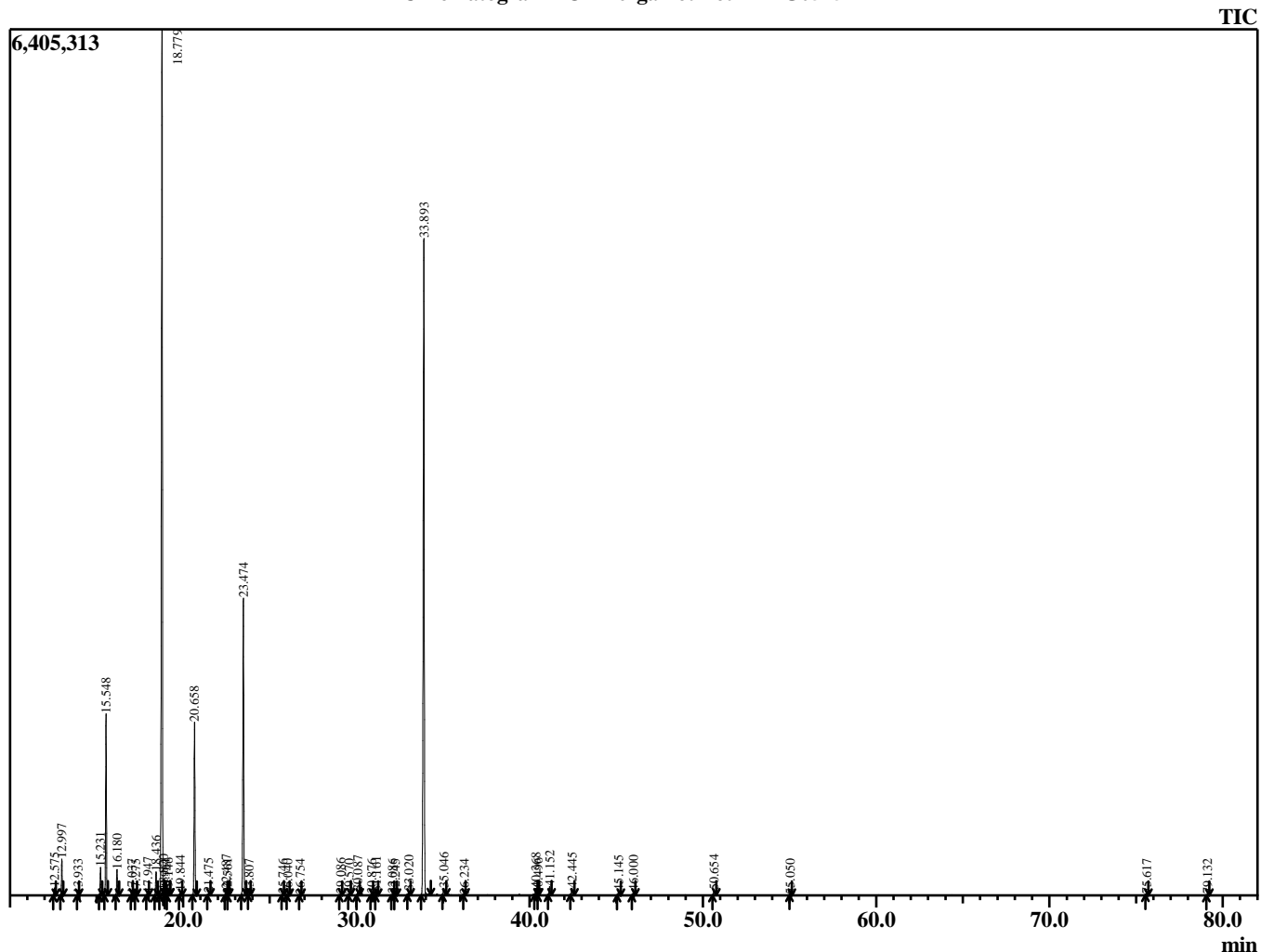


Sample Information

Analyzed by : Dr. Robert S. Pappas
 Analyzed : 5/27/2017 11:40:50 PM
 Sample Type : Essential Oil
 Sample Name : EOA Bergamot
 Sample ID : BERG052517
 Injection Volume : 0.30



Chromatogram EOA Bergamot Lot BERG052517



R.Time	Name	Area%
12.575	Thujene <alpha>	0.23
12.997	Pinene <alpha>	1.15
13.933	Camphene	0.03
15.231	Sabinene	0.94
15.548	Pinene <beta>	6.25
16.180	Myrcene	0.89
17.037	Octanal	0.03
17.275	Phellandrene <alpha>	0.02
17.947	Terpinene <alpha>	0.08
18.436	Cymene <para>	0.89
18.779	Limonene	36.65
18.870	Phellandrene <beta>	0.04
18.961	1,8-Cineole	0.03
19.146	Ocimene <Z-beta>	0.05
19.844	Ocimene <E-beta>	0.15
20.658	Terpinene <gamma>	6.62
21.475	Sabinene hydrate <trans>	0.07
22.487	Terpinolene	0.23
22.561	Linalool oxide <trans-(furanoid)>	0.03
23.474	Linalool	12.01
23.807	Nonanal	0.03
25.746	Limonene oxide <cis>	0.03
26.040	Limonene oxide <trans>	0.02
26.754	Camphor	0.02
29.086	Terpinen-4-ol	0.04
29.570	Terpendiol I	0.03
30.087	Terpineol <alpha>	0.17
30.876	Decanal	0.03
31.161	Octyl acetate	0.13
32.086	Nerol	0.04
32.245	Citronellol	0.04
33.020	Neral	0.16
33.893	Linalyl acetate	30.84
35.046	Geranial	0.29
36.234	Bornyl acetate	0.01
40.368	Terpinyl acetate <alpha>	0.31
40.496	Terpinyl acetate <beta>	0.05
41.152	Neryl acetate	0.37
42.445	Geranyl acetate	0.32
45.145	Caryophyllene <trans>	0.21
46.000	Bergamotene <trans-alpha>	0.17
50.654	Bisabolene <beta>	0.22
55.050	Caryophyllene oxide	0.01
75.617	Citropten	0.03
79.132	Bergaptan	0.03
		100.00

Comments:

The analysis of this Bergamot batch sample meets the expected chemical profile for authentic essential oil of *Citrus bergamia*. No contamination or adulteration was detected.