

Sample Information

Analyzed by : Dr. Robert S. Pappas
 Analyzed : 5/9/2018 11:30:51 PM
 Sample Type : Essential Oil
 Sample Name : Tangerine Oil, USA
 Sample ID : Barefut-0104
 Injection Volume : 0.10
 Instrument ID : GC-3

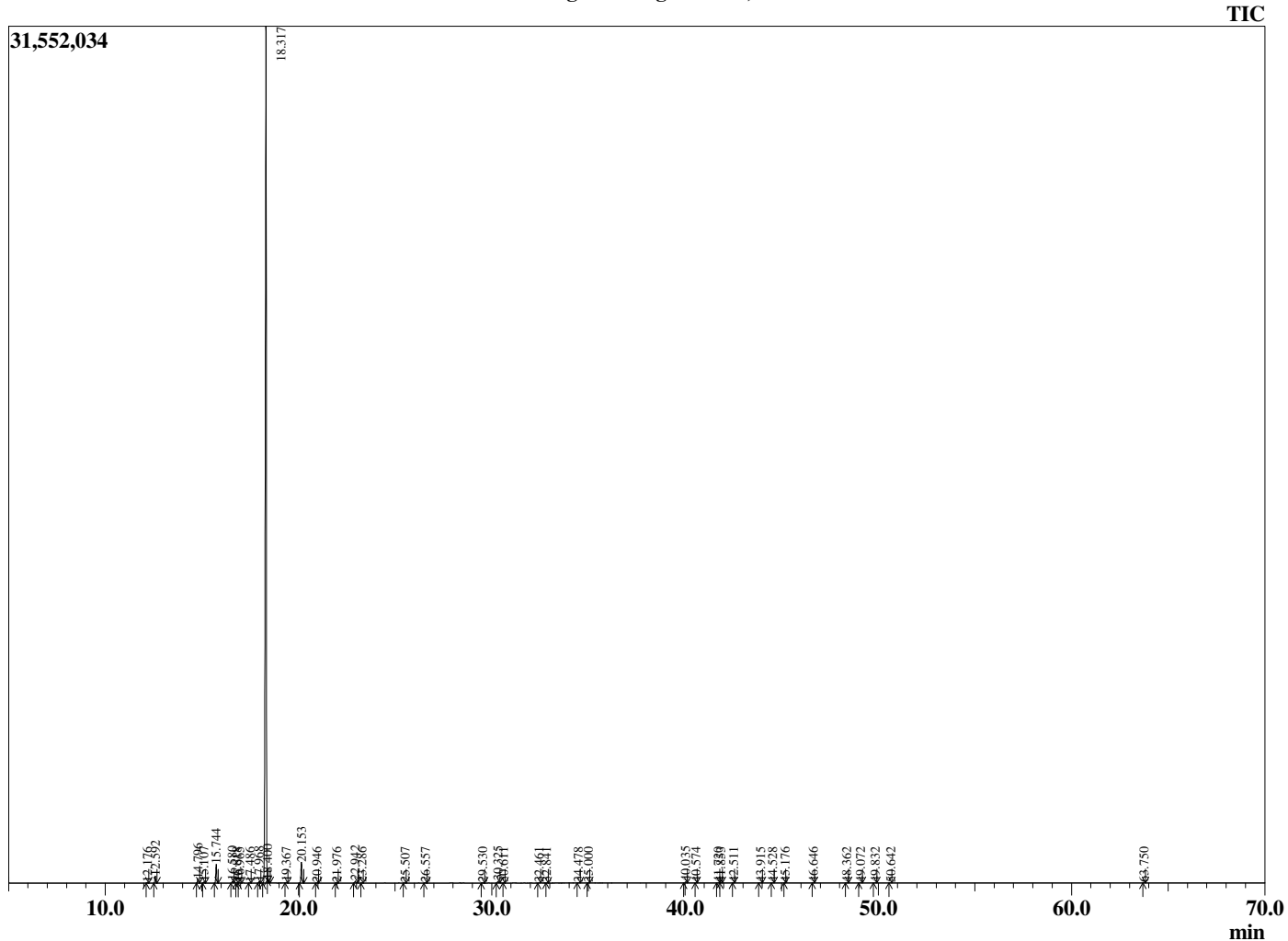


Peak Report TIC

R.Time	Name	Area%
12.176	alpha-Thujene	0.04
12.592	alpha-Pinene	0.58
14.796	Sabinene	0.38
15.107	beta-Pinene	0.11
15.744	Myrcene	1.68
16.580	Octanal	0.15
16.818	alpha-Phellandrene	0.03
16.965	delta-3-Carene	0.08
17.486	alpha-Terpinene	0.02
17.968	para-Cymene	0.13
18.317	Limonene	93.55
18.400	beta-Phellandrene	0.04
19.367	trans-beta-Ocimene	0.06
20.153	gamma-Terpinene	2.06
20.946	n-Octanol	0.03
21.976	Terpinolene	0.06
22.942	Linalool	0.20
23.286	Nonanal	0.02
25.507	cis-Limonene oxide	0.02
26.557	Citronellal	0.04
29.530	alpha-Terpineol	0.04
30.325	Decanal	0.18
30.611	Octyl acetate	0.01
32.461	Neral	0.02
32.841	Carvone	0.01
34.478	Geranial	0.03
35.000	Perillaldehyde	0.02
40.035	Eugenol (Carryover)	0.12
40.574	Neryl acetate	0.01
41.720	alpha-Copaene	0.03
41.853	Geranyl acetate	0.01
42.511	beta-Cubebene	0.02
43.915	Dodecanal	0.05
44.528	beta-Caryophyllene	0.02
45.176	beta-Copaene	0.01
46.646	trans-beta-Farnesene	0.01
48.362	Germacrene D	0.02
49.072	Valencene	0.06
49.832	(E,E)-alpha-Farnesene	0.03
50.642	delta-Cadinene	0.03
63.750	alpha-Sinensal	0.02
		100.00

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

Chromatogram Tangerine Oil, USA



Comments:

The analysis of this Tangerine Oil, USA batch sample meets the expected chemical profile for authentic essential oil of *Citrus reticulata*. No contamination or adulteration was detected.