

Sample Information

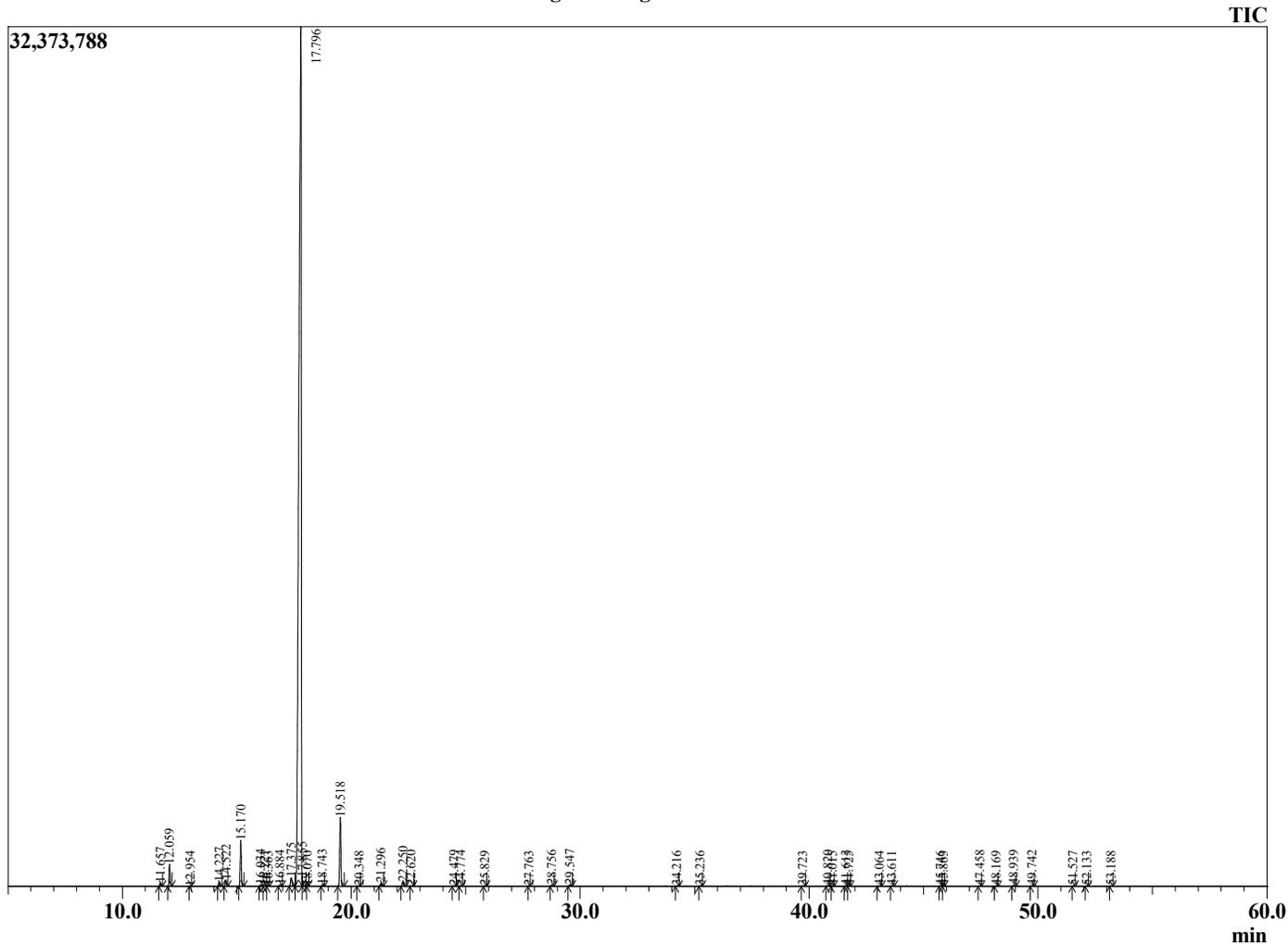
Analyzed by : Dr. Robert S. Pappas
 Analyzed : 1/26/2022 10:28:52 PM
 Sample Type : Essential Oil
 Sample Name : Tangerine Oil - Barefut
 Sample ID : 0107
 Injection Volume : 0.10
 Instrument ID : GC-2



Peak Report TIC

R.Time	Name	Area%
11.657	alpha-Thujene	0.15
12.059	alpha-Pinene	0.97
12.954	Camphene	0.01
14.227	Sabinene	0.20
14.522	beta-Pinene	0.31
15.170	Myrcene	2.16
16.034	Octanal	0.07
16.221	alpha-Phellandrene	0.05
16.363	delta-3-Carene	0.02
16.884	alpha-Terpinene	0.07
17.375	para-Cymene	0.54
17.796	Limonene	90.56
17.855	beta-Phellandrene	0.16
18.070	cis-beta-Ocimene	0.01
18.743	trans-beta-Ocimene	0.07
19.518	gamma-Terpinene	3.56
20.348	Octanol	0.01
21.296	Terpinolene	0.16
22.250	Linalool	0.25
22.620	Nonanal	0.03
24.479	cis-Limonene oxide	0.04
24.774	trans-Limonene oxide	0.03
25.829	Citronellal	0.01
27.763	Terpinen-4-ol	0.01
28.756	alpha-Terpineol	0.07
29.547	Decanal	0.08
34.216	Perillaldehyde	0.02
35.236	Limonen-10-ol	0.01
39.723	Neryl acetate	0.02
40.820	alpha-Copaene	0.05
41.015	Geranyl acetate	0.01
41.613	beta-Cubebene	0.03
41.725	beta-Elemene	0.02
43.064	Dodecanal	0.02
43.611	trans-beta-Caryophyllene	0.01
45.746	trans-beta-Farnesene	0.02
45.863	alpha-Humulene	0.01
47.458	Germacrene D	0.02
48.169	Valencene	0.01
48.939	trans,trans-alpha-Farnesene	0.06
49.742	delta-Cadinene	0.05
51.527	alpha-Elemol	0.01
52.133	Germacrene B	0.01
53.188	Unidentified	0.01
		100.00

Chromatogram Tangerine Oil - Barefut



Comments:

The analysis of this Tangerine batch sample meets the expected chemical profile for authentic essential oil of *Citrus reticulata*. 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.