

Sample Information

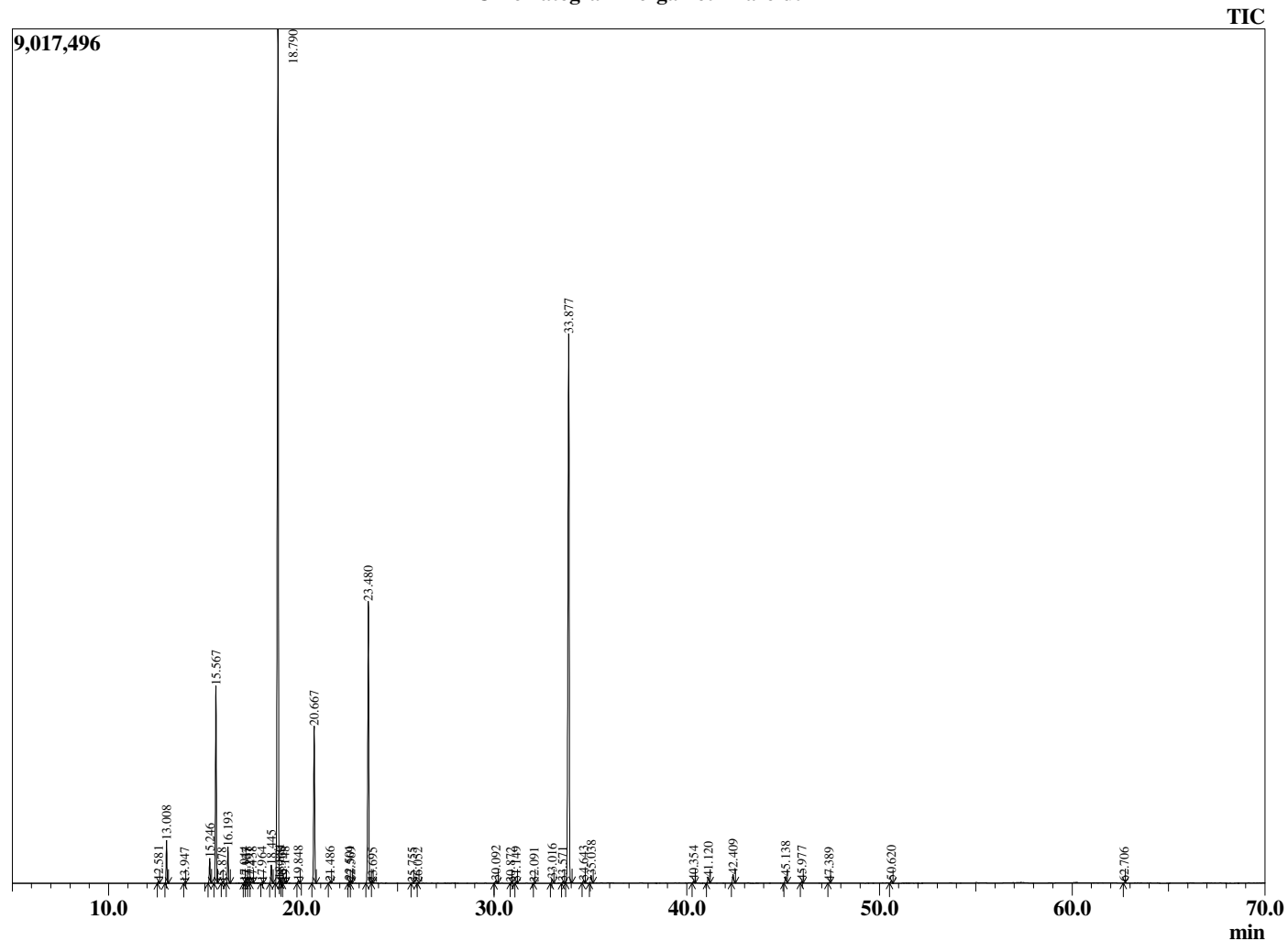
Analyzed by : Dr. Robert S. Pappas  
 Analyzed : 3/18/2020 12:19:50 AM  
 Sample Type : Essential Oil  
 Sample Name : Bergamot - Barefut  
 Sample ID : 0107  
 Injection Volume : 0.10  
 Instrument ID : GC-3



Peak Report TIC

R.Time	Name	Area%
12.581	alpha-Thujene	0.07
13.008	alpha-Pinene	1.43
13.947	Camphene	0.02
15.246	Sabinene	0.91
15.567	beta-Pinene	7.35
15.878	Unidentified	0.01
16.193	Myrcene	1.31
17.044	Octanal	0.04
17.137	Pseudolimonene	0.03
17.291	alpha-Phellandrene	0.02
17.438	delta-3-Carene	0.04
17.964	alpha-Terpinene	0.04
18.445	para-Cymene	0.72
18.790	Limonene	38.42
18.881	beta-Phellandrene	0.03
18.968	1,8-cineole	0.02
19.148	cis-beta-Ocimene	0.05
19.848	trans-beta-Ocimene	0.11
20.667	gamma-Terpinene	6.57
21.486	cis-Linalool oxide (furanoid)	0.07
22.501	Terpinolene	0.10
22.569	trans-Linalool oxide (furanoid)	0.05
23.480	Linalool	12.33
23.695	Hotrienol	0.01
25.755	cis-Limonene oxide	0.02
26.052	trans-Limonene oxide	0.01
30.092	alpha-Terpineol	0.12
30.872	Decanal	0.01
31.149	Octyl acetate	0.06
32.091	Nerol	0.01
33.016	Neral	0.20
33.571	Unidentified	0.06
33.877	Linalyl acetate	27.97
34.643	Unidentified	0.11
35.038	Geranial	0.35
40.354	alpha-Terpinyl acetate	0.07
41.120	Neryl acetate	0.29
42.409	Geranyl acetate	0.40
45.138	beta-Caryophyllene	0.33
45.977	trans-alpha-Bergamotene	0.09
47.389	alpha-Humulene	0.02
50.620	beta-Bisabolene	0.12
62.706	Hemianin	0.01
		100.00

Chromatogram Bergamot - Barefut



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. The results provided in this GCMS quality analysis reflect the chemical composition of the oil and lot referenced above on the date of analysis.