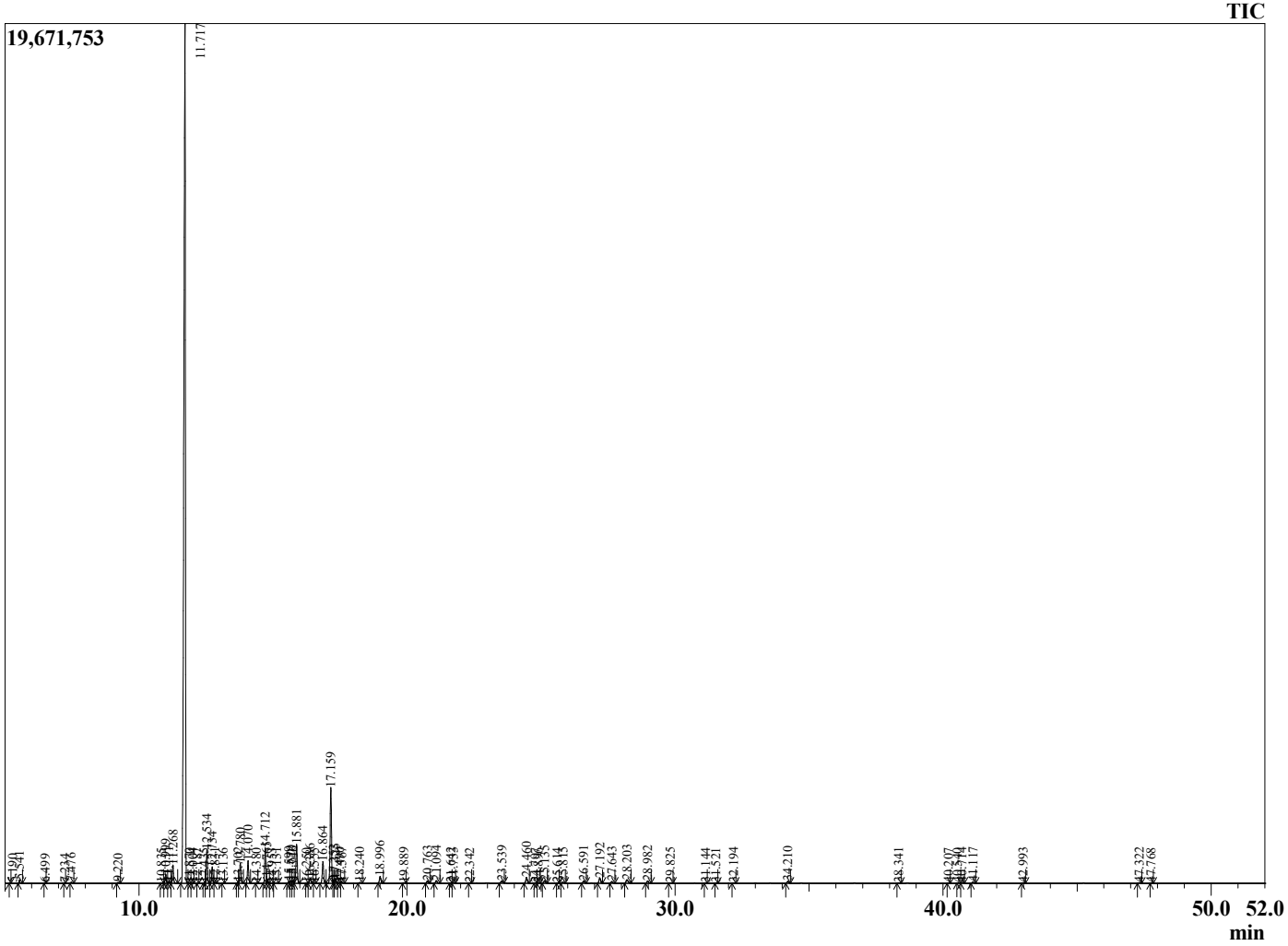
Sample Information

Analyzed by : Dr. Robert S. Pappas
Analyzed : 1/3/2023 8:07:30 PM
Sample Type : Essential Oil
Sample Name : Boswellia sacra Oil - Revive
Sample ID : 6P
Injection Volume : 0.10
Instrument ID: : GC-2

Chromatogram Boswellia sacra Oil - Revive



Comments:

The analysis of this Frankincense batch sample meets the expected chemical profile for authentic essential oil of *Boswellia sacra.* 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.

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Peak Report TIC

R.Time	Name	Area%
4.702	2,5,5-Trimethyl-1,3-cyclopentadiene	0.01
5.190	5,5-Dimethyl-1,3-hexadiene	0.01
5.541	Toluene	0.16
6.499	Unidentified	0.01
7.234	Unidentified	0.01
7.476	6,6-Dimethylhepta-2,4-diene	0.06
9.220	Unidentified	0.05
10.835	Unidentified	0.02
10.999	Hashishene	0.54
11.111	Tricyclene	0.10
11.268	alpha-Thujene	1.14
11.717	alpha-Pinene	72.96
11.870	Unidentified	0.02
12.004	Unidentified	0.01
12.187	Thuja-2,4(10)diene isomer	0.01
12.435	alpha-Fenchene	0.02
12.534	Camphene	2.09
12.734	Thuja-2,4(10)-diene	1.02
12.831	Unidentified	0.05
13.136	Unidentified	0.01
13.702	Cymene analogue	0.05
13.780	Sabinene	1.29
14.070	beta-Pinene	1.44
14.380	Unidentified	0.01
14.712	Myrcene	2.36
14.765	Unidentified	0.18
14.953	Unidentified	0.01
15.131	Unidentified	0.04
15.599	Pseudolimonene	0.11
15.670	1,2-Dimethyl-3-vinyl-1,4-cyclohexadiene	0.14
15.746	alpha-Phellandrene	0.15
15.881	delta-3-Carene	2.74
16.250	1,4-Cineole	0.00
16.386	alpha-Terpinene	0.33
16.555	ortho-Cymene	0.01
16.864	para-Cymene	1.57
17.159	Limonene	6.66
17.252	beta-Phellandrene	0.19
17.325	1,8-Cineole	0.29
17.490	meta-Cymene	0.03
17.567	cis-beta-Ocimene	0.09
18.240	trans-beta-Ocimene	0.05
18.996	gamma-Terpinene	0.51
19.889	Pinol	0.05
20.763	Terpinolene	0.17
21.094	para-Cymenene	0.21
21.642	Perillene	0.03
21.733	Linalool	0.05
22.342	Unidentified	0.02
23.539	alpha-Campholenal	0.20
24.460	trans-Pinocarveol	0.44
24.797	trans-Verbenol	0.03
24.896	Camphor	0.02
25.135	alpha-Phellandren-8-ol	0.22
25.614	Sabina ketone	0.01
25.815	Pinocamphone	0.09
26.591	para-Mentha-1,5-dien-8-ol	0.18
27.192	Terpinen-4-ol	0.42
27.643	para-Cymen-8-ol	0.13
28.203	alpha-Terpineol	0.37
28.982	Verbenone	0.20
29.825	trans-Carveol	0.04

R.Time	Name	Area%
31.144	Unidentified	0.01
31.521	Carvone	0.01
32.194	Unidentified	0.03
34.210	Bornyl acetate	0.16
38.341	alpha-Terpinyl acetate	0.04
40.207	alpha-Copaene	0.02
40.540	trans-para-Menth-6-en-2,8-diol	0.00
40.714	beta-Bourbonene	0.04
41.117	beta-Elemene	0.11
42.993	beta-Caryophyllene	0.05
47.322	beta-Selinene	0.05
47.768	alpha-Selinene	0.01
		100.00