

Sample Information

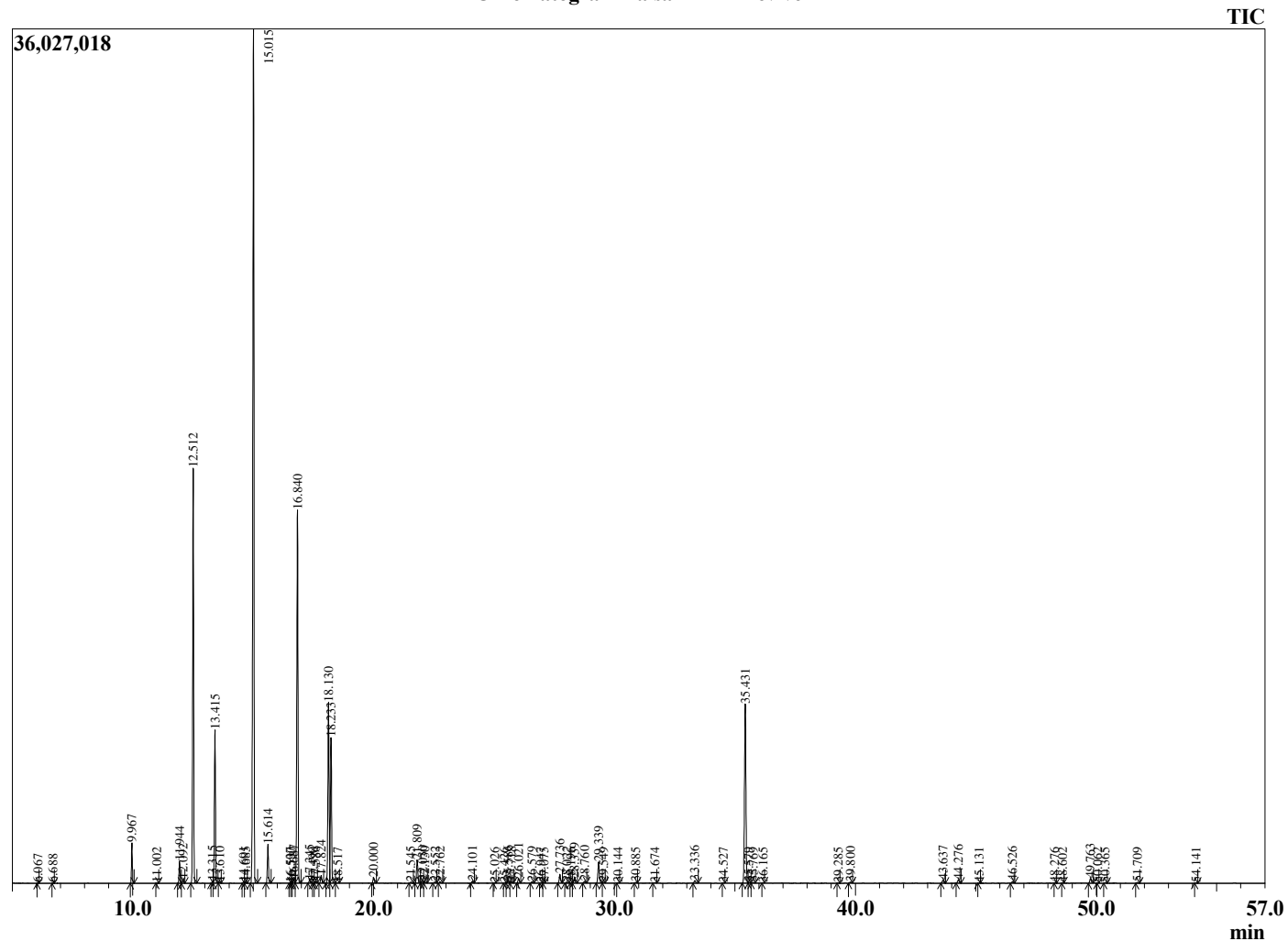
Analyzed by : Dr. Robert S. Pappas
 Analyzed : 2/3/2021 3:05:32 AM
 Sample Type : Essential Oil
 Sample Name : Balsam Fir - Revive
 Sample ID : 5683
 Injection Volume : 0.10
 Instrument ID: GC-4



Peak Report TIC

R.Time	Name	Area%
6.067	Toluene	0.01
6.688	1-Methoxyhexane	0.01
9.967	Santene	1.22
11.002	Unidentified	0.01
11.944	Tricyclene	0.74
12.092	alpha-Thujene	0.13
12.512	alpha-Pinene	14.40
13.315	alpha-Fenchene	0.06
13.415	Camphene	5.45
13.610	Thuja-2,4(10)diene	0.03
14.601	Cymene isomer	0.05
14.685	Sabinene	0.05
15.015	beta-Pinene	33.67
15.614	Myrcene	1.48
16.537	Pseudolimonene	0.01
16.590	Unidentified	0.01
16.687	alpha-Phellandrene	0.15
16.840	delta-3-Carene	14.86
17.345	alpha-Terpinene	0.12
17.490	Unidentified	0.01
17.586	Unidentified	0.06
17.824	para-Cymene	0.31
18.130	Limonene	7.51
18.233	beta-Phellandrene	5.73
18.517	Unidentified	0.02
20.000	gamma-Terpinene	0.24
21.545	Isoterpinolene	0.04
21.809	Terpinolene	1.01
22.030	Fenchone	0.11
22.130	para-Cymene	0.06
22.552	Unidentified	0.05
22.762	Linalool	0.06
24.101	endo-Fenchol	0.09
25.026	trans-Limonene oxide	0.01
25.426	Unidentified	0.01
25.586	trans-Pinocarveol	0.10
25.718	Epoxyterpinolene	0.06
26.021	Camphor	0.21
26.579	trans-beta-Terpineol	0.05
26.947	cis-Pinocampnone	0.02
27.075	Pinocarvone	0.01
27.736	Borneol	0.40
28.022	trans-Pinocampnone	0.04
28.196	Unidentified	0.01
28.339	Terpinen-4-ol	0.23
28.760	Cryptone	0.08
29.339	alpha-Terpineol	1.04
29.549	Methyl chavicol	0.03
30.144	Verbenone	0.02
30.885	edno-Fenchyl acetate	0.03
31.674	Thymol methyl ether	0.02
33.336	Piperitone	0.13
34.527	Isopulegyl acetate	0.01
35.431	Bornyl acetate	8.81
35.579	Isobornyl acetate	0.04
35.769	Thymol	0.03
36.165	Unidentified	0.01
39.285	alpha-Terpinyl acetate	0.01
39.800	Unidentified	0.05
43.637	Junipene	0.16
44.276	trans-beta-Caryophyllene	0.17
45.131	Unidentified	0.01

Chromatogram Balsam Fir - Revive



Comments:

The analysis of this Balsam Fir batch sample meets the expected chemical profile for authentic essential oil of *Abies balsamea*. 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.

R.Time	Name	Area%
46.526	alpha-Humulene	0.09
48.276	Unidentified	0.01
48.602	beta-Selinene	0.01
49.763	beta-Bisabolene	0.23
50.062	gamma-Cadinene	0.00
50.365	delta-Cadinene	0.02
51.709	(E)-alpha-Bisabolene	0.04
54.141	Unidentified	0.01
		100.00