

Sample Information

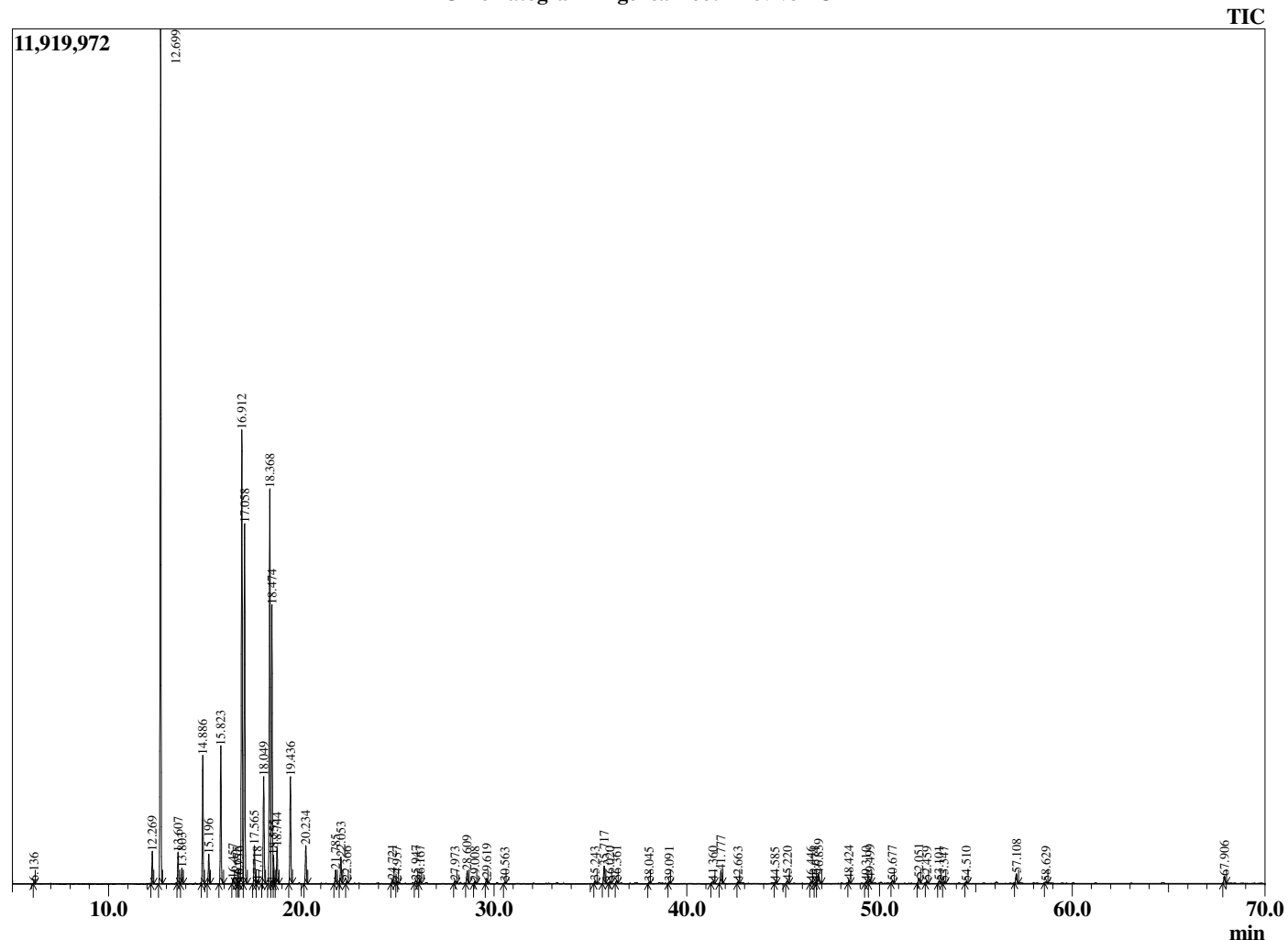
Analyzed by : Dr. Robert S. Pappas
 Analyzed : 1/29/2019 9:09:16 PM
 Sample Type : Essential Oil
 Sample Name : Angelica Root - Revive EO
 Sample ID : D0B0724D
 Injection Volume : 0.10
 Instrument ID: : GC-4



Peak Report TIC

R.Time	Name	Area%
6.136	Toluene	0.04
12.269	alpha-Thujene	0.86
12.699	alpha-Pinene	23.66
13.607	Camphene	0.87
13.803	Thuja-2,4(10)diene	0.45
14.886	Sabinene	3.63
15.196	beta-Pinene	0.86
15.823	Myrcene	4.11
16.457	Unidentified	0.14
16.675	Octanal	0.07
16.756	Pseudolimonene	0.04
16.912	alpha-Phellandrene	14.32
17.058	delta-3-Carene	10.91
17.565	alpha-Terpinene	1.14
17.718	ortho-Cymene	0.09
18.049	para-Cymene	3.41
18.368	Limonene	13.52
18.474	beta-Phellandrene	8.47
18.555	1,8-Cineole	0.68
18.744	cis-beta-Ocimene	1.12
19.436	trans-beta-Ocimene	3.40
20.234	gamma-Terpinene	1.25
21.785	Isoterpinolene	0.48
22.053	Terpinolene	0.92
22.366	para-Cymenene	0.08
24.721	cis-para-Menth-2-en-1-ol	0.14
24.957	allo-Ocimene	0.06
25.947	trans-para-Menth-2-en-1-ol	0.13
26.167	Unidentified	0.11
27.973	para-Mentha-1,5-dien-8-ol	0.10
28.609	Terpinen-4-ol	0.49
29.008	Cryptone	0.08
29.619	Myrtenal	0.21
30.563	Unidentified	0.04
35.243	Phellandral	0.09
35.717	Bornyl acetate	0.66
36.020	Unidentified	0.08
36.361	Unidentified	0.10
38.045	Unidentified	0.04
39.091	Unidentified	0.06
41.360	Cyclosativene	0.11
41.777	alpha-Copaene	0.52
42.663	beta-Elementene	0.06
44.585	beta-Caryophyllene	0.05
45.220	beta-Copaene	0.12
46.446	beta-Barbatene	0.06
46.674	trans-beta-Farnesene	0.04
46.839	alpha-Humulene	0.41
48.424	Germacrene D	0.12
49.310	alpha-Zingiberene	0.07
49.499	alpha-Murolene	0.17
50.677	delta-Cadinene	0.11
52.051	Unidentified	0.20
52.459	Elemol	0.09
53.101	Germacrene B	0.09
53.347	Unidentified	0.07
54.510	Unidentified	0.06
57.108	Unidentified	0.38
58.629	alpha-Eudesmol	0.06
67.906	Pentadecanolide	0.28
		100.00

Chromatogram Angelica Root - Revive EO



Comments:

The analysis of this Angelica Root batch sample meets the expected chemical profile for authentic essential oil of *Angelica archangelica*. 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.