

Sample Information

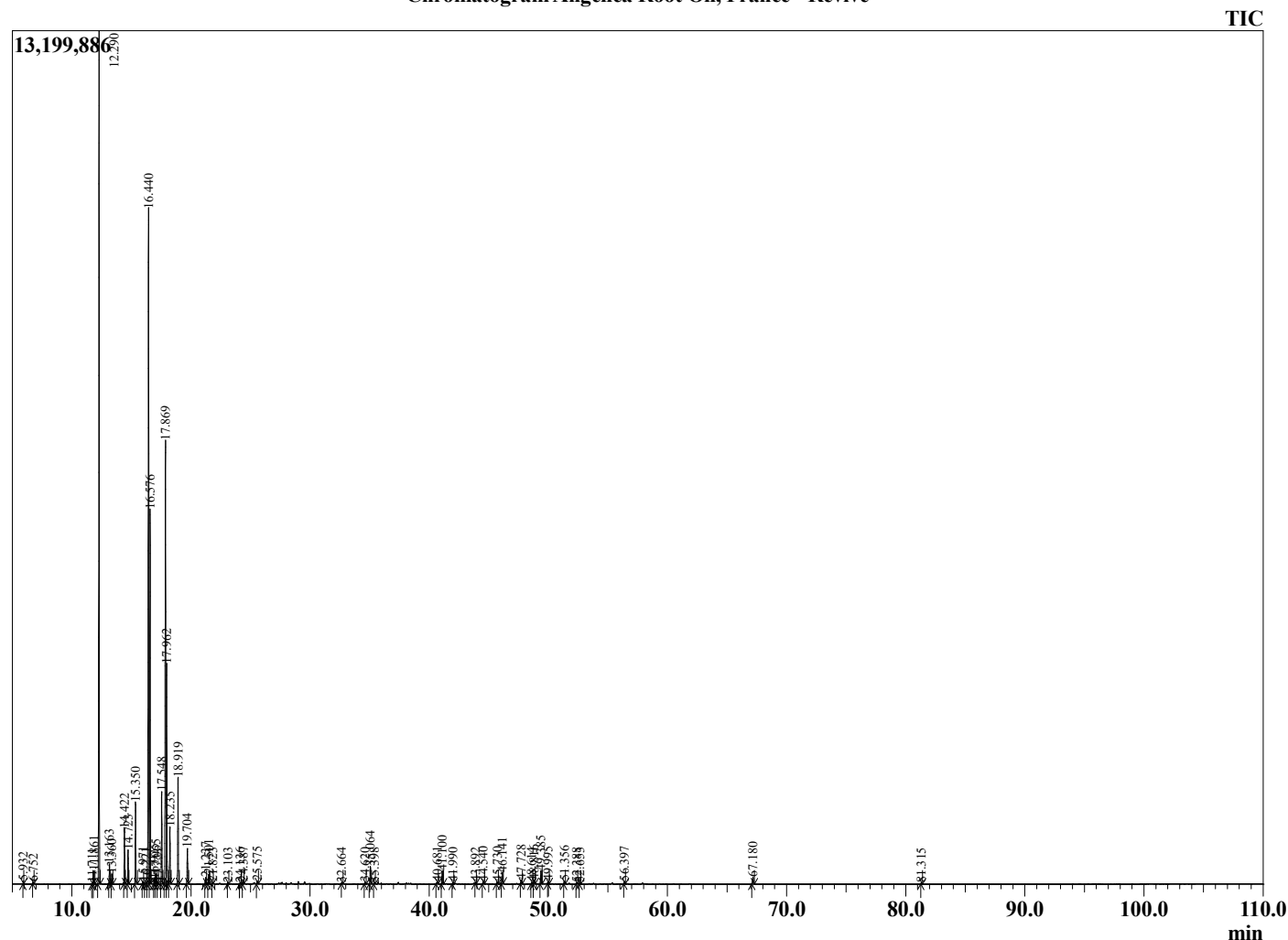
Analyzed by : Dr. Robert S. Pappas
 Analyzed : 1/25/2023 7:11:03 PM
 Sample Type : Essential Oil
 Sample Name : Angelica Root Oil, France - Revive
 Sample ID : 1E
 Injection Volume : 0.10
 Instrument ID : GC-4



Peak Report TIC

R.Time	Name	Area%
5.932	Toluene	0.06
6.752	Hexanal	0.03
11.711	Tricyclene	0.03
11.861	alpha-Thujene	0.34
12.290	alpha-Pinene	24.32
13.163	Camphene	0.55
13.360	Thuja-2,4(10)-diene	0.27
14.422	Sabinene	1.56
14.723	beta-Pinene	0.99
15.350	Myrcene	2.39
15.971	alpha-Terpinene	0.08
16.221	Octanal	0.08
16.440	alpha-Phellandrene	22.75
16.576	delta-3-Carene	10.77
16.925	1,4-Cineole	0.15
17.065	alpha-Terpinene	0.30
17.221	ortho-Cymene	0.05
17.548	para-Cymene	2.91
17.869	Limonene	14.96
17.962	beta-Phellandrene	6.51
18.235	cis-beta-Ocimene	1.77
18.919	trans-beta-Ocimene	3.38
19.704	gamma-Terpinene	1.15
21.237	isoterpinolene	0.22
21.501	Terpinolene	0.31
21.823	para-Cymenene	0.04
23.103	unidentified	0.04
24.136	cis-para-Menth-2-en-1-ol	0.04
24.387	allo-Ocimene	0.08
25.575	trans-Verbenol	0.10
32.664	Carvotanacetone	0.04
34.620	Phellandral	0.07
35.064	Bornyl acetate	0.67
35.398	trans-Verbenyl acetate	0.05
40.681	Cyclosativene	0.10
41.100	alpha-Copaene	0.52
41.990	beta-Elementene	0.06
43.892	beta-Caryophyllene	0.03
44.540	beta-Copaene	0.10
45.730	beta-Barbatene	0.10
46.141	alpha-Humulene	0.44
47.728	Germacrene D	0.13
48.614	beta-Himachalene	0.07
48.816	alpha-Murolene	0.15
49.385	beta-Bisabolene	0.52
49.995	delta-Cadinene	0.08
51.356	alpha-Copaen-11-ol	0.11
52.388	Germacrene B	0.05
52.653	Nootkatene	0.05
56.397	Oxacyclotetradecan-2-one	0.08
67.180	Pentadecanolide	0.29
81.315	Ostole	0.04
		100.00

Chromatogram Angelica Root Oil, France - Revive



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 GC/MS quality analysis reflect the chemical composition of the oil and lot referenced above on the date of analysis.