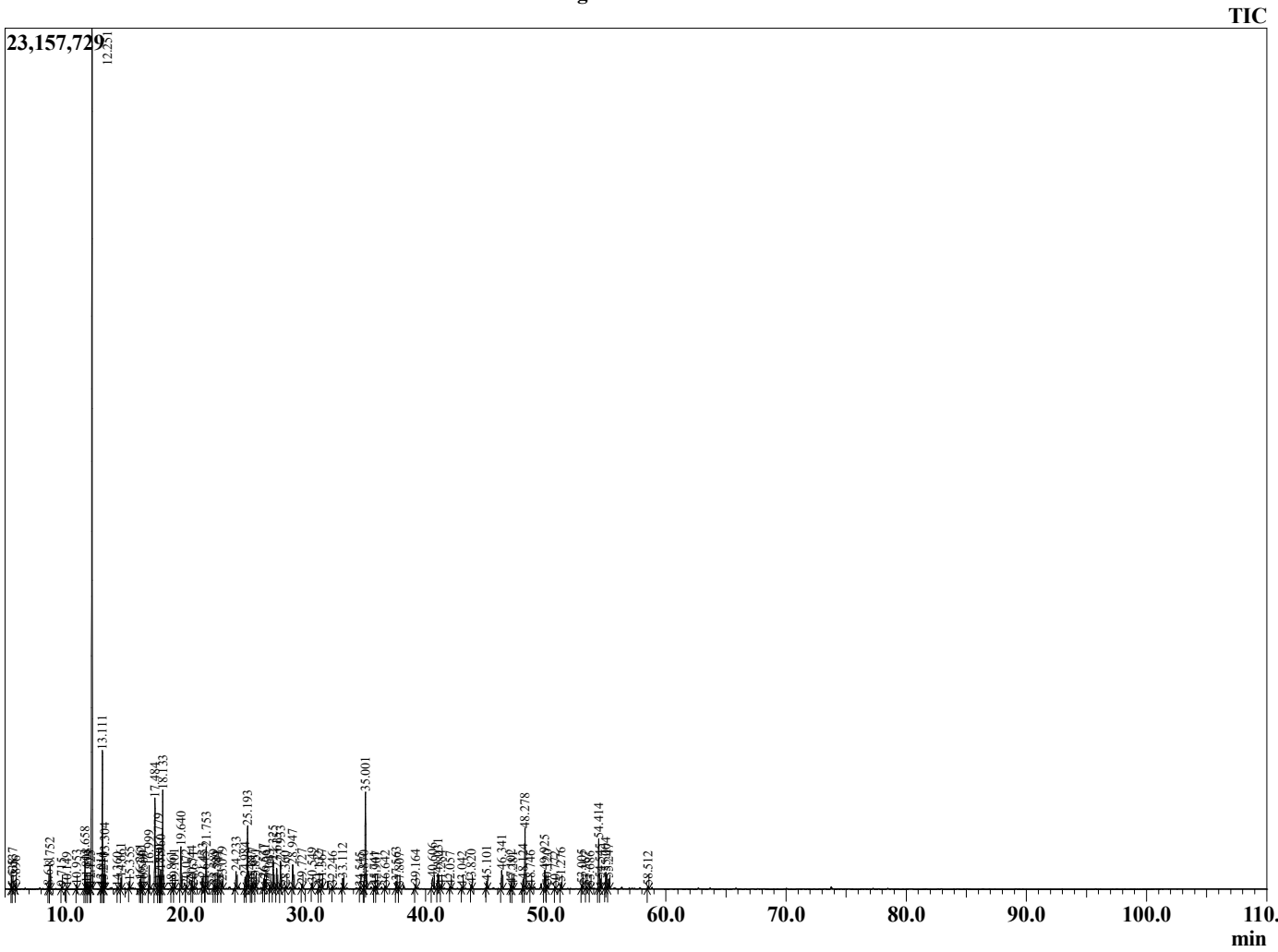
Sample Information

Analyzed by : Dr. Robert S. Pappas
Analyzed : 3/28/2023 3:05:50 AM
Sample Type : Essential Oil
Sample Name : Cistus Oil Revive
Sample ID : 2P
Injection Volume : 0.10
Instrument ID: : GC-4

Chromatogram Cistus Oil Revive



Comments:

The analysis of this Cistus batch sample meets the expected chemical profile for authentic essential oil of *Cistus ladanifer*. 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.

Peak Report TIC

R.Time	Name	Area%
5.537	unidentified	0.29
5.638	unidentified	0.04
5.896	Toluene	0.10
8.611	unidentified	0.08
8.752	unidentified	0.67
9.715	unidentified	0.07
10.149	Styrene	0.05
10.953	unidentified	0.14
11.658	3-methyl-Apopinene	0.97
11.808	alpha-Thujene	0.20
11.979	Oct-3-en-2-ol	0.11
12.125	unidentified	0.10
12.251	alpha-Pinene	37.26
13.011	alpha-Fenchene	0.09
13.111	Camphene	5.05
13.210	2-Octanone	0.05
13.304	Thuja-2,4(10)-diene	1.12
14.360	Sabinene	0.06
14.661	beta-Pinene	0.42
15.355	unidentified	0.25
16.261	unidentified	0.38
16.342	alpha-phellandrene	0.27
16.500	unidentified	0.10
16.999	alpha-Terpinene	0.95
17.484	para-Cymene	3.95
17.779	Limonene	1.74
17.880	beta-Phellandrene	0.33
17.960	1,8-Cineole	0.80
18.133	2,2,6-trimethyl-Cyclohexanone	4.33
18.861	unidentified	0.07
19.101	unidentified	0.21
19.640	gamma-Terpinene	1.90
20.072	1-phenyl-ethanone	0.16
20.544	unidentified	0.32
20.671	Gardenia ether	0.09
21.433	Terpinolene	0.44
21.645	Fenchone	0.05
21.753	Dehydro-p-cymene	2.08
22.389	Linalool	0.30
22.589	unidentified	0.14
22.741	Nonanal	0.15
23.079	cis-Rose Oxide	0.44
24.233	alpha-Campholenic aldehyde	0.84
24.984	Non-3-en-2-one	0.60
25.193	trans-Pinocarveol	2.99
25.487	trans-Tagetone	0.12
25.617	Camphor	0.29
25.851	alpha-Phellandrene-8-ol	0.16
26.537	trans-Pinocamphone	0.43
26.661	Pinocarvone	0.38
27.043	unidentified	0.16
27.325	Borneol	1.42
27.615	cis-Pinocamphone	0.98
27.933	Terpinen-4-ol	1.34
28.360	meta-Cymen-8-ol	0.14
28.947	Myrtenal	1.48
29.727	Verbenone	0.20
30.549	trans-Carveol	0.22
31.132	unidentified	0.10
31.367	cis-Ocimenone	0.19
32.246	Carvone	0.09
33.112	unidentified	0.52

R.Time	Name	Area%
34.545	Phellandral	0.06
34.870	trans-alpha-Necrodol acetate	0.11
35.001	Bornyl acetate	4.94
35.741	trans-Pinocarvyl acetate	0.11
35.907	Carvacrol	0.12
36.642	unidentified	0.13
37.563	Myrtenyl acetate	0.36
37.807	neo-Verbanol acetate	0.07
39.164	alpha-Cubebene	0.20
40.606	Cyclosativene	0.88
41.031	alpha-Copaene	0.84
41.284	unidentified	0.11
42.057	Sativene	0.10
43.042	alpha-Gurjunene	0.08
43.820	beta-Caryophyllene	0.20
45.101	alpha-Guaiene	0.37
46.341	9-epi-Caryophyllene	0.98
47.102	cis-Murrola-4(14),5-diene	0.24
47.281	gamma-Cadinene	0.14
48.124	alpha-Guaiene	0.54
48.278	Viridiflorene	3.33
48.746	alpha-Muurolene	0.16
49.925	delta-Cadinene	1.04
50.120	cis-Calamenene	0.22
50.772	trans-Cadine-1,4-diene	0.08
51.276	alpha-Calacorene	0.32
53.005	Palustrol	0.25
53.367	Spathulenol	0.11
53.686	Caryophyllene oxide	0.08
54.414	Viridiflorol	2.75
54.545	Cubeban-11-ol	0.50
55.004	Ledol	0.87
55.247	Copaborneol	0.55
58.512	unidentified	0.14
		100.00