

Sample Information

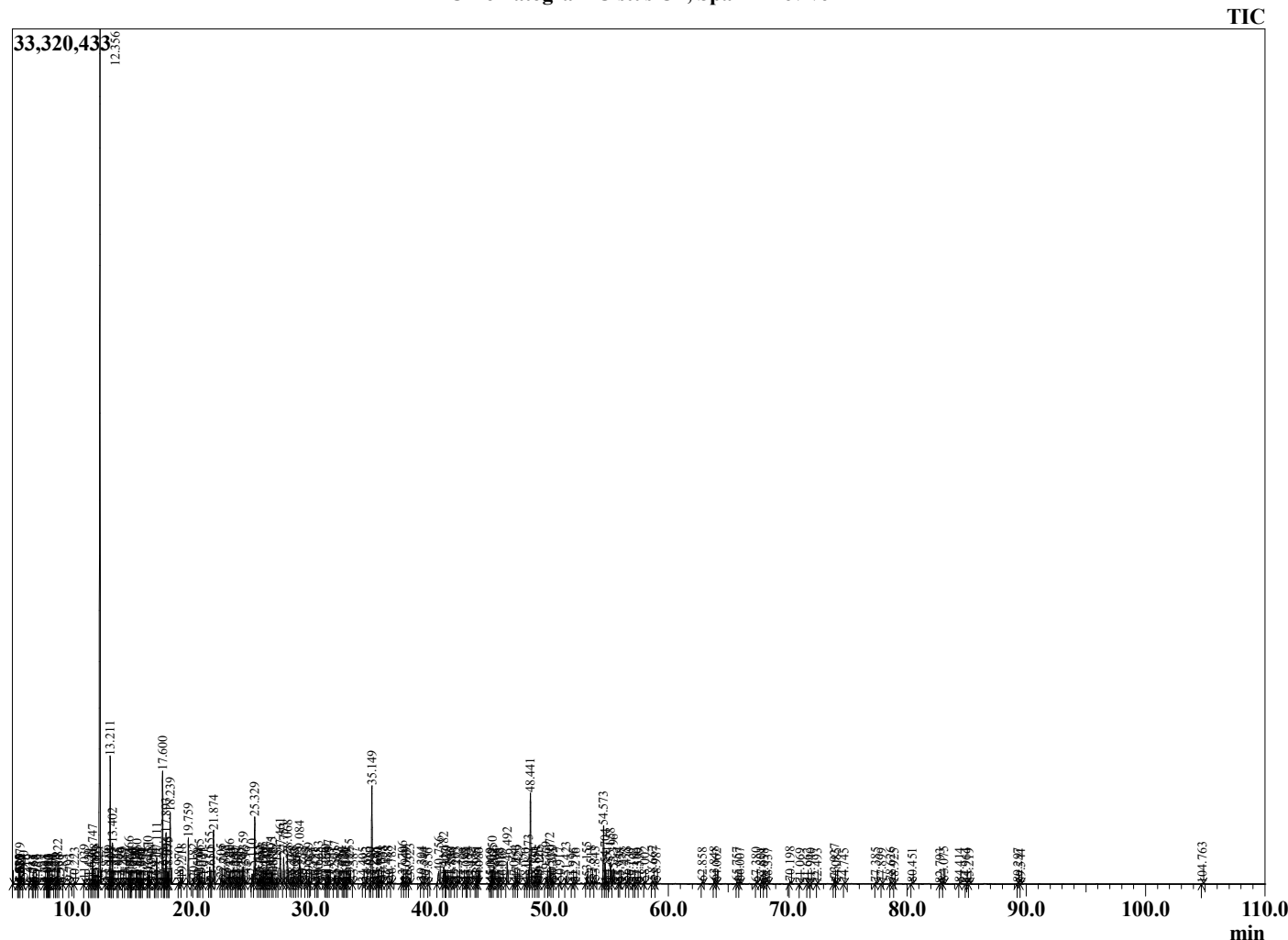
Analyzed by : Dr. Robert S. Pappas
Analyzed : 1/13/2022 2:44:00 AM
Sample Type : Essential Oil
Sample Name : Cistus Oil, Spain - Revive
Sample ID : 0K
Injection Volume : 0.10
Instrument ID: : GC-4



Peak Report TIC

R.Time	Name	Area%
3.551	2-Methylfuran	0.01
3.625	Methylfuran isomer	0.01
3.869	Unidentified	0.02
4.045	3-Methylbutanal	0.01
4.154	2-Methylbutanal	0.00
4.516	Unidentified	0.00
4.581	2-Ethylfuran	0.01
4.670	2,5-Dimethylfuran	0.01
4.820	Dimethylfuran isomer	0.00
5.057	Unidentified	0.02
5.511	Unidentified	0.00
5.579	1,2,3-Trimethylcyclopentene	0.23
5.682	1,5-Dimethylbicyclo[3.1.0]hexane	0.03
5.940	Toluene	0.10
6.419	Unidentified	0.01
6.731	Octane	0.02
6.765	Hexanal	0.01
6.958	Unidentified	0.01
7.169	Unidentified	0.01
7.727	Unidentified	0.01
7.901	Unidentified	0.01
7.983	Unidentified	0.03
8.020	Unidentified	0.01
8.120	Unidentified	0.01
8.234	Unidentified	0.02
8.520	Unidentified	0.02
8.679	Unidentified	0.07
8.822	6,6-Dimethylhepta-2,4-diene	0.40
8.936	Unidentified	0.01
9.283	para-Xylene	0.01
9.793	Myrtenol	0.06
10.223	Styrene	0.05
11.039	Unidentified	0.11
11.429	Unidentified	0.01
11.626	Hashishene	0.01
11.747	Tricyclene	0.71
11.898	alpha-Thujene	0.15
12.069	Unidentified	0.10
12.221	Unidentified	0.09
12.356	alpha-Pinene	32.91
12.836	Thujadiene isomer	0.02
13.109	alpha-Fenchene	0.09
13.211	Camphene	3.90
13.305	2-Octanone	0.03
13.402	Thuja-2,4(10)-diene	1.20
13.512	Unidentified	0.02
13.835	Benzaldehyde	0.04
13.996	Methyl heptenone isomer	0.06
14.289	Bois de Rose oxide	0.02
14.462	Sabinene	0.08
14.766	beta-Pinene	0.38
14.874	Unidentified	0.02
14.964	Unidentified	0.02
15.090	6-Methyl hept-5-en-2-one	0.04
15.400	Myrcene	0.03
15.460	Unidentified	0.39
15.673	Unidentified + Mesitylene	0.06
15.761	delta-2-Carene	0.04
15.800	Unidentified	0.02
15.954	Unidentified	0.03
16.370	Menthatriene isomer	0.42
16.451	alpha-Phellandrene	0.27

Chromatogram Cistus Oil, Spain - 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.

R.Time	Name	Area%
16.608	Unidentified	0.10
16.974	1,4-Cineole	0.04
17.111	alpha-Terpinene	0.92
17.313	ortho-Cymene + Unidentified	0.07
17.600	para-Cymene	3.89
17.693	Unidentified	0.04
17.893	Limonene	1.84
17.996	beta-Phellandrene	0.38
18.075	1,8-Cineole	0.39
18.239	2,2,6-Trimethylcyclohexanone	2.46
18.970	Unidentified	0.07
19.218	Unidentified	0.18
19.759	gamma-Terpinene	1.65
20.182	Acetophenone	0.17
20.558	cis-Linalool oxide (furanoid)	0.03
20.665	Pinol	0.37
20.791	Unidentified	0.11
21.041	Unidentified	0.04
21.555	Terpinolene	0.62
21.650	Unidentified	0.05
21.874	para-Cymenene	2.18
22.505	Linalool	0.30
22.718	Hotrienol	0.20
22.862	Nonanal	0.11
23.206	Unidentified + cis-Rose oxide	0.48
23.330	Unidentified	0.03
23.550	Unidentified	0.04
23.757	beta-Thujone	0.07
23.837	Fenchyl alcohol	0.13
23.988	Chrysanthenone	0.03
24.200	Unidentified	0.03
24.359	alpha-Campholenal	0.71
24.596	Unidentified	0.13
25.110	Non-3-en-2-one	0.43
25.329	trans-Pinocarveol	2.69
25.615	trans-Tagetone	0.20
25.751	Camphor	0.19
25.983	alpha-Phellandrene-8-ol	0.30
26.030	Nerol oxide	0.15
26.120	cis-Tagetone	0.06
26.312	Camphene hydrate	0.03
26.443	Sabina ketone	0.06
26.671	trans-Pinocamphone	0.56
26.795	Pinocarvone	0.45
26.885	Unidentified	0.05
27.181	Isoborneol	0.19
27.461	Borneol	1.41
27.753	cis-Pinocamphone	1.04
28.068	Terpinen-4-ol	1.12
28.327	4'-Methyl-acetophenone	0.04
28.488	para-Cymen-8-ol	0.18
28.643	Unidentified	0.03
28.863	Unidentified	0.11
29.084	Myrtenal	1.40
29.273	cis-Dihydrocarvone	0.08
29.593	Bornyl formate	0.06
29.859	Verbenone	0.25
29.964	Unidentified	0.07
30.421	Unidentified	0.03
30.625	endo-Fenchyl acetate	0.05
30.683	trans-Carveol	0.34
31.270	Unidentified	0.15
31.360	Unidentified	0.08

R.Time	Name	Area%
31.497	cis-Ocimenone	0.35
31.575	cis-Carveol	0.03
32.017	Unidentified	0.41
32.283	Cuminaldehyde	0.05
32.382	Carvone	0.12
32.720	Carvotanacetone	0.04
32.811	Geraniol	0.03
32.901	Unidentified	0.03
33.049	Piperitone	0.03
33.255	Unidentified	0.45
33.587	Unidentified	0.06
34.405	Methyl hydrocinnamate	0.04
34.683	Phellandral	0.09
35.010	trans-alpha-Necrodol acetate	0.04
35.149	Bornyl acetate	4.09
35.298	Unidentified	0.06
35.601	Unidentified	0.10
35.650	Thujyl acetate	0.05
35.881	trans-Pinocarvyl acetate	0.14
36.038	Carvacrol	0.14
36.488	Unidentified	0.08
36.782	Unidentified	0.14
37.706	Myrtenyl acetate	0.33
37.949	neo-Verbanol acetate	0.10
38.063	para-Mentha-1,4-dien-7-ol	0.04
38.323	Unidentified	0.24
39.304	alpha-Cubebene	0.10
39.544	Eugenol	0.07
39.856	Unidentified	0.03
40.756	Cyclosativene	0.85
41.182	alpha-Copaene	0.83
41.327	Geranyl acetate	0.03
41.429	Unidentified	0.13
41.703	Unidentified	0.05
41.830	Unidentified	0.05
42.203	meta-Floralozone + Sativene	0.16
42.372	alpha-Dihydroionone	0.08
42.799	Unidentified	0.03
43.085	Unidentified	0.03
43.194	alpha-Gurjunene	0.09
43.472	beta-Dihydroionone	0.04
43.875	Unidentified	0.03
43.971	trans-beta-Caryophyllene	0.14
44.086	Unidentified	0.02
45.069	Unidentified	0.04
45.139	Unidentified	0.02
45.250	Aromadendrene	0.56
45.366	alpha-Guaiene	0.13
45.695	Unidentified	0.05
45.808	Cadina-3,5-diene	0.04
46.069	Unidentified	0.04
46.492	Alloaromadendrene	0.95
47.064	Geranyl propanoate	0.03
47.253	Cadina-1(6),4-diene	0.20
47.429	gamma-Murolene	0.13
48.020	Unidentified	0.03
48.273	alpha-Bulnesene	0.67
48.441	Viridiflorene	4.22
48.731	beta-Selinene	0.08
48.891	alpha-Murolene	0.15
49.125	Unidentified	0.09
49.205	Unidentified	0.22
49.769	Unidentified	0.38

R.Time	Name	Area%
50.072	delta-Cadinene	0.77
50.270	trans-Calamenene	0.19
50.345	Zonarene	0.07
50.917	trans-Cadina-1,4-diene	0.08
51.423	alpha-Calacorene	0.33
51.996	Unidentified	0.05
52.216	Unidentified	0.03
53.155	Palustrol	0.31
53.518	Spathulenol	0.17
53.843	Unidentified	0.13
54.573	Viridiflorol	2.75
54.704	Cubeban-11-ol	0.90
54.851	Unidentified	0.10
55.158	Ledol	1.00
55.396	Copaborneol	0.67
55.844	Unidentified	0.04
55.958	Unidentified	0.03
56.478	Epicubenol	0.08
56.730	Unidentified	0.03
57.102	Unidentified	0.04
57.360	alpha-epi-Muurolol	0.08
57.539	alpha-Muurolol	0.05
58.002	beta-Eudesmol	0.09
58.662	Unidentified	0.16
58.987	Cadalene	0.11
62.858	Unidentified	0.10
63.848	Amberlyn	0.11
64.062	Benzyl benzoate	0.02
65.757	Unidentified	0.07
66.007	Unidentified	0.11
67.380	Unidentified	0.05
67.801	Neophytadiene	0.08
68.038	Phytone	0.02
68.337	Unidentified	0.03
70.198	Sclareoloxide	0.10
71.069	Unidentified	0.03
71.662	Unidentified	0.01
71.940	Unidentified	0.02
72.493	Unidentified	0.01
73.927	Unidentified	0.26
74.085	Unidentified	0.03
74.745	Unidentified	0.02
77.385	Unidentified	0.06
77.899	Kaurene	0.02
78.626	Unidentified	0.07
78.925	Sclareolide	0.02
80.451	Unidentified	0.04
82.793	Unidentified	0.02
83.075	Unidentified	0.11
84.414	Unidentified	0.04
84.964	Unidentified	0.02
85.219	Unidentified	0.02
89.297	Tricosane	0.04
89.544	Unidentified	0.01
104.763	Heptacosane	0.03
		100.00