

Sample Information

Analyzed by : Dr. Robert S. Pappas
 Analyzed : 8/5/2018 2:35:12 AM
 Sample Type : Essential Oil
 Sample Name : Oregano - Edens Garden
 Sample ID : AH25GL
 Injection Volume : 0.10
 Instrument ID : GC-3

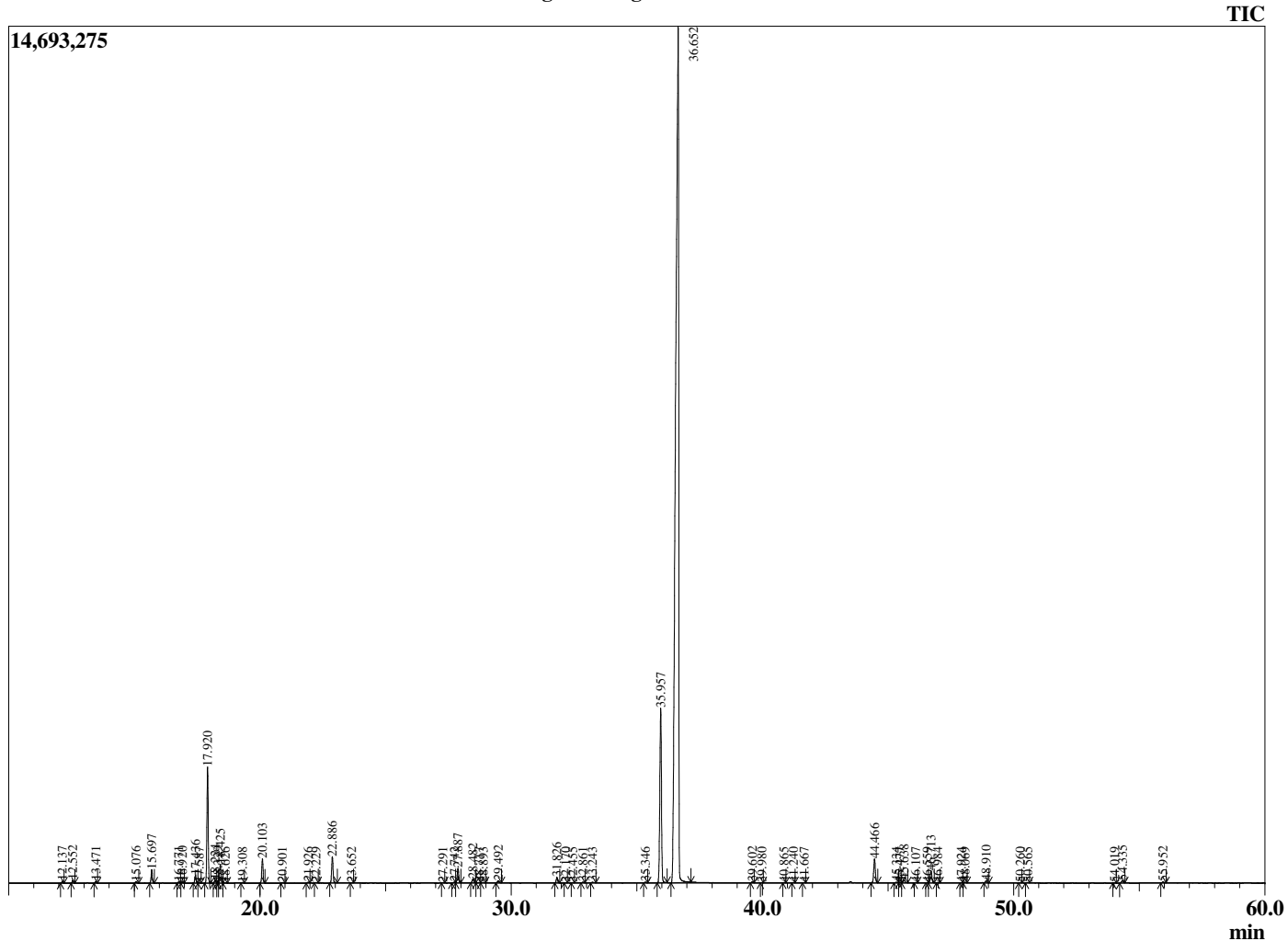


Peak Report TIC

R.Time	Name	Area%
12.137	alpha-Thujene	0.06
12.552	alpha-Pinene	0.10
13.471	Camphene	0.06
15.076	beta-Pinene + 1-Octen-3-ol	0.07
15.697	Myrcene	0.49
16.771	alpha-Phellandrene	0.04
16.920	delta-3-Carene	0.04
17.436	alpha-Terpinene	0.29
17.587	ortho-Cymene	0.01
17.920	para-Cymene	4.53
18.224	Limonene	0.13
18.329	beta-Phellandrene	0.04
18.425	1,8-cineole	0.75
18.626	cis-beta-Ocimene	0.02
19.308	trans-beta-Ocimene	0.02
20.103	gamma-Terpinene	0.96
20.901	trans-Sabinene hydrate	0.03
21.926	Terpinolene	0.03
22.229	para-Cymenene	0.02
22.886	Linalool	1.11
23.652	Phenethyl alcohol	0.01
27.291	Isoborneol	0.02
27.742	Thuj-3-en-2-one (Umbellulone)	0.03
27.887	Borneol	0.67
28.482	Terpinen-4-ol	0.18
28.717	4'-Methyl acetophenone	0.02
28.893	para-Cymen-8-ol	0.03
29.492	alpha-Terpineol	0.11
31.826	Carvacrol methyl ether	0.24
32.170	Unidentified	0.01
32.455	Thymol methyl ether	0.01
32.861	Carvone	0.03
33.243	Unidentified	0.04
35.346	Thymol isomer	0.03
35.957	Thymol	8.65
36.652	Carvacrol	78.62
39.602	Thymol acetate	0.04
39.980	Eugenol	0.01
40.865	Carvacrol acetate	0.01
41.240	Unidentified	0.02
41.667	alpha-Copaene	0.01
44.466	beta-Caryophyllene	1.18
45.334	trans-alpha-Bergamotene	0.04
45.477	Unidentified	0.01
45.638	Aromandendrene	0.16
46.107	alpha-Guaiene	0.01
46.559	Unidentified	0.01
46.713	alpha-Humulene	0.61
46.984	Alloaromadendrene	0.02
47.924	trans-Cadina-1(6),4-diene	0.01
48.069	Unidentified	0.03
48.910	Viridiflorene (Ledene)	0.10
50.260	Unidentified	0.01
50.565	delta-Cadinene	0.03
54.019	Spathulenol	0.01
54.335	Caryophyllene oxide	0.13
55.952	Humulene epoxide II	0.06
		100.00

This report is not valid after 1 year of the report date.

Chromatogram Oregano - Edens Garden



Comments:

The analysis of this Oregano batch sample meets the expected chemical profile for authentic essential oil of *Origanum vulgare*. No contamination or adulteration was detected.