

Sample Information

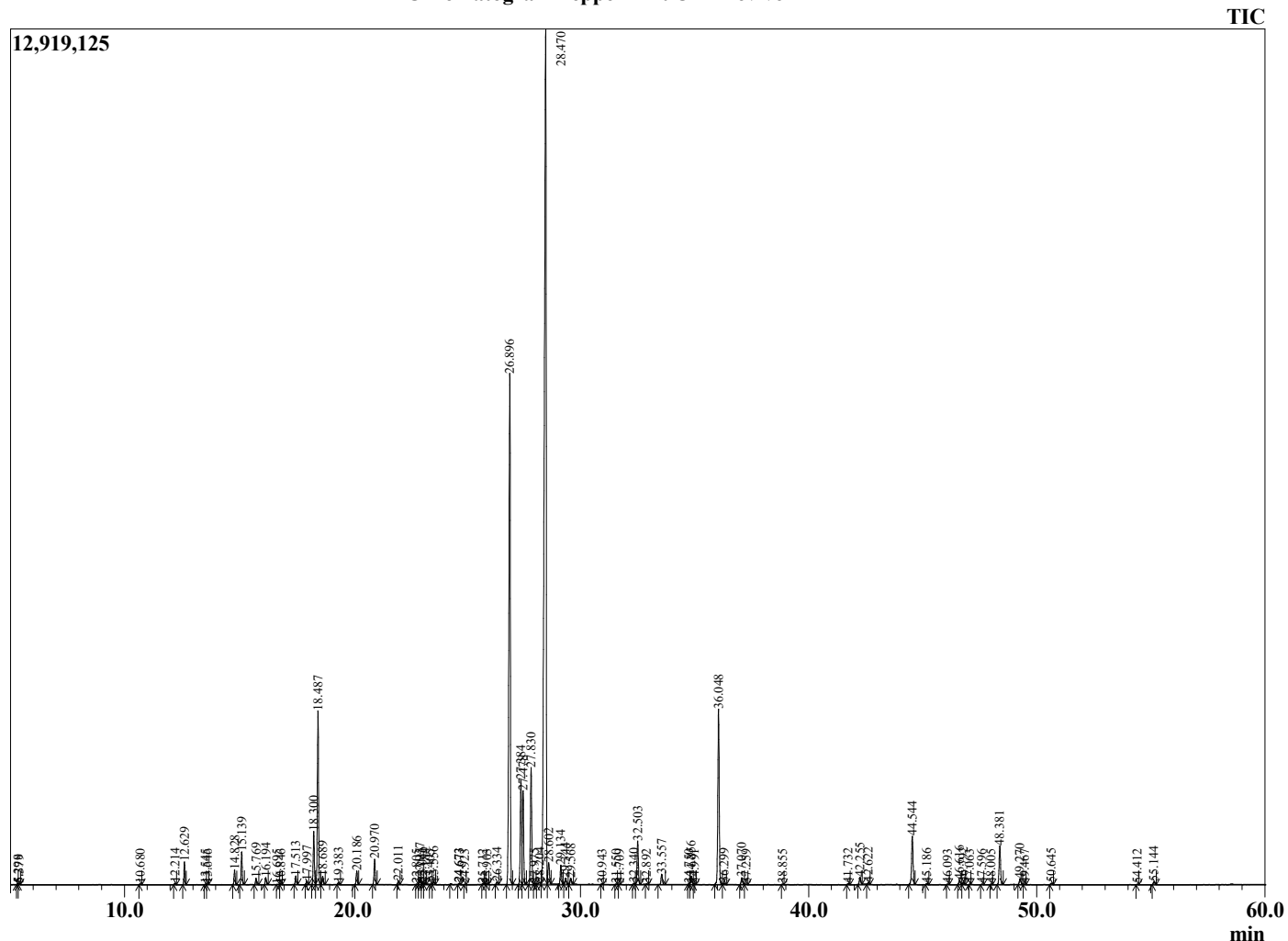
Analyzed by : Dr. Robert S. Pappas
 Analyzed : 10/11/2022 10:08:10 AM
 Sample Type : Essential Oil
 Sample Name : Peppermint Oil - Revive
 Sample ID : 6J
 Injection Volume : 0.10
 Instrument ID: : GC-3



Peak Report TIC

R.Time	Name	Area%
4.124	3-Methylbutanal	0.01
4.238	Unidentified	0.01
5.298	1-Pentanol	0.01
5.379	2-Methyl butanol	0.02
10.680	2,5-Diethyltetrahydrofuran	0.02
12.214	alpha-Thujene	0.03
12.629	alpha-Pinene	0.57
13.545	Camphene	0.01
13.646	3-Methylcyclohexanone	0.01
14.828	Sabinene	0.40
15.139	beta-Pinene	0.96
15.769	Myrcene	0.18
16.194	Octan-3-ol	0.20
16.695	Pseudolimonene	0.01
16.846	alpha-Phellandrene	0.02
17.513	alpha-Terpinene	0.25
17.997	para-Cymene	0.11
18.300	Limonene	1.59
18.487	1,8-cineole	5.34
18.689	cis-beta-Ocimene	0.25
19.383	trans-beta-Ocimene	0.06
20.186	gamma-Terpinene	0.42
20.970	trans-Sabinene hydrate	0.79
22.011	Terpinolene	0.12
22.805	Nonan-3-ol	0.01
22.957	Linalool	0.23
23.046	cis-Sabinene hydrate	0.06
23.184	2-Methylbutyl-2-methylbutyrate	0.05
23.405	Isoamyl isovalerate	0.01
23.556	2-Methylbutyl isovalerate	0.09
24.673	3-Octyl acetate	-0.11
24.673	cis-para-Menth-2-en-1-ol	0.04
24.923	allo-Ocimene	0.01
25.712	trans-Sabinol	0.02
25.903	trans-Menth-2-en-1-ol	0.03
26.334	Isopulegol	0.07
26.896	Menthone	19.00
27.384	Menthofuran	3.55
27.478	Isomenthone	3.04
27.830	Neomenthol	4.03
27.975	Borneol	0.03
28.204	trans-Isopulegone	0.09
28.470	Menthol	43.05
28.602	Terpinen-4-ol	0.82
29.134	Isomenthol	0.64
29.344	Neoisomenthol	0.21
29.568	alpha-Terpineol	0.21
30.943	Unidentified	0.02
31.550	Nerol	0.01
31.709	Citronellol	0.01
32.340	cis-3-Hexenyl isovalerate	0.04
32.503	Pulegone	1.51
32.892	Carvone	0.01
33.557	Piperitone	0.37
34.750	Isopulegyl acetate	0.02
34.856	Neomenthyl acetate	0.30
34.991	Unidentified	0.02
36.048	Menthyl acetate	6.37
36.299	Dihydroeluan isomer	0.06
37.070	Isomenthyl acetate	0.24
37.259	Neoisopulegol acetate	0.01
38.855	delta-Elementene	0.02

Chromatogram Peppermint Oil - Revive



Comments:

The analysis of this Peppermint batch sample meets the expected chemical profile for authentic essential oil of *Mentha piperita*. 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%
41.732	alpha-Copaene	0.03
42.255	beta-Bourbonene	0.26
42.622	beta-Elemene	0.07
44.544	beta-Caryophyllene	1.88
45.186	beta-Copaene	0.04
46.093	Unidentified	0.02
46.616	trans-beta-Farnesene	0.15
46.792	alpha-Humulene	0.07
47.063	Alloaromodendrene	0.01
47.596	Unidentified	0.02
48.005	trans-Cadina-1(6),4-diene	0.01
48.381	Germacrene D	1.45
49.270	Bicyclogermacrene	0.23
49.467	alpha-Murolene	0.02
50.645	delta-Cadinene	0.06
54.412	Caryophyllene oxide	0.01
55.144	Viridiflorol	0.11
		100.00