

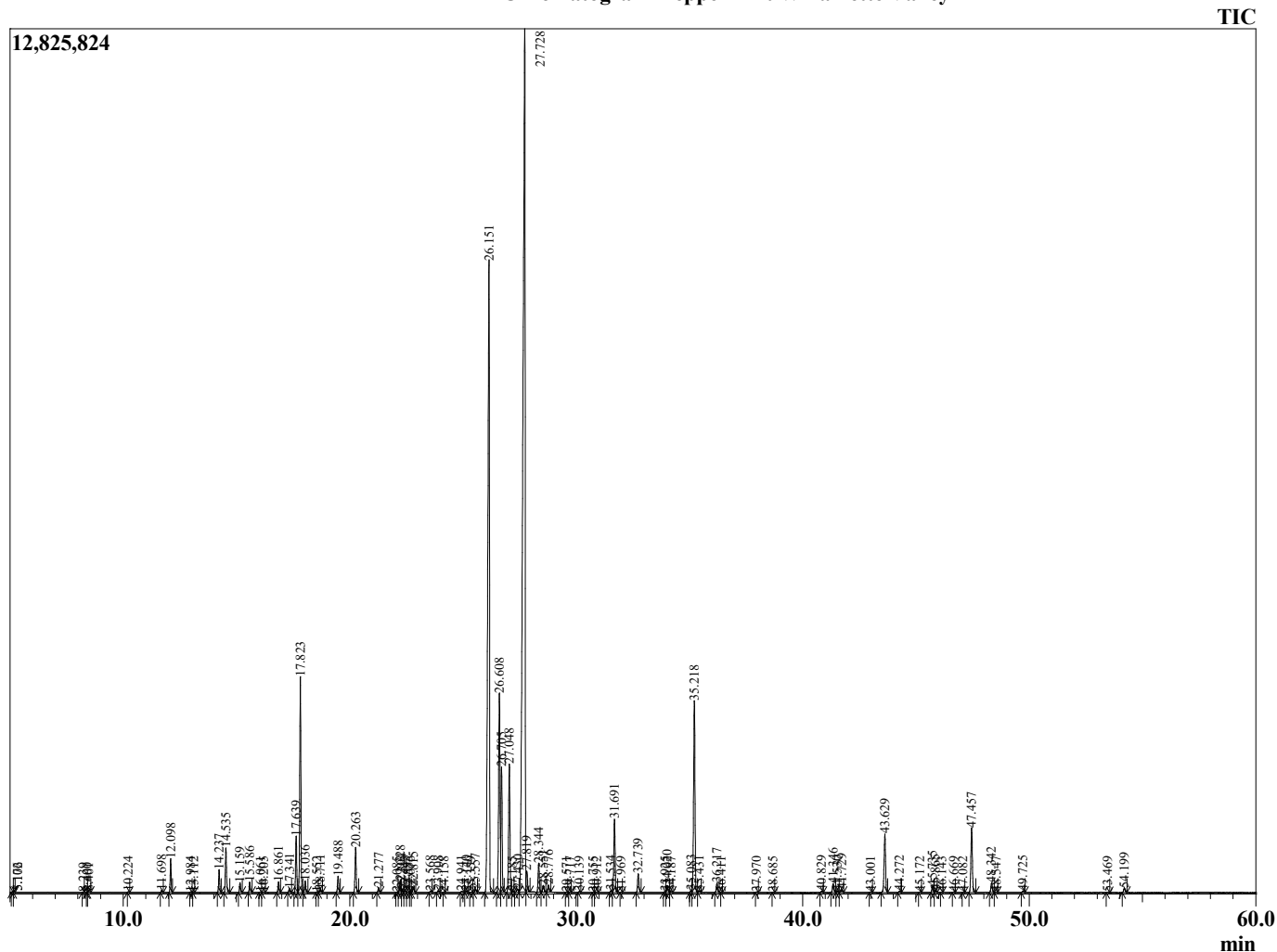
Sample Information

Analyzed by : K. Smith
Analyzed : 6/11/2024 11:00:43 PM
Sample Type : Essential Oil
Sample Name : Peppermint WV Essential Oil
Injection Volume : 0.10 µL
Lot Number : 13171
Instrument ID : GC-4

Peak Report TIC

R.Time	Name	Area%
3.993	3-Methylbutanal	0.07
4.095	2-Methylbutanal	0.04
4.522	2-Ethyl furan	0.02
5.102	1-Pentanol	0.01
5.176	2-Methylbutanol	0.01
8.239	Ethyl 2-methylbutyrate	0.01
8.400	Ethyl isovalerate	0.00
8.461	Hex-(2E)-enal	0.02
10.224	2,5-Diethyltetrahydrofuran	0.01
11.698	alpha-Thujene	0.04
12.098	alpha-Pinene	0.65
12.984	Camphene	0.01
13.112	3-Methylcyclohexanone	0.01
14.237	Sabinene	0.46
14.535	beta-Pinene + 1-Octen-3-ol	1.05
15.159	Myrcene	0.21
15.586	3-Octanol	0.22
16.061	Pseudolimonene	0.01
16.205	alpha-Phellandrene	0.01
16.861	alpha-Terpinene	0.23
17.341	para-Cymene	0.09
17.639	Limonene	1.34
17.823	1,8-Cineole	5.04
18.036	cis-beta-Ocimene	0.27
18.552	Phenylacetaldehyde	0.02
18.711	trans-beta-Ocimene	0.06
19.488	gamma-Terpinene	0.38
20.263	trans-Sabinene hydrate	1.09
21.277	Terpinolene	0.11
22.085	Unidentified	0.01
22.228	Linalool	0.30
22.304	Unidentified	0.08
22.443	2-Methylbutyl-2-methylbutyrate	0.05
22.585	Nonanal	0.02
22.676	Isoamyl isovalerate	0.02
22.815	2-Methylbutyl Isovalerate	0.14
23.568	3-Octyl acetate	0.03
23.908	cis-para-Menth-2-en-1-ol	0.04
24.158	allo-Ocimene	0.01
24.941	trans-Sabinol	0.03
25.140	trans-para-Menth-2-en-1-ol	0.03
25.359	trans-Verbenol	0.01
25.557	Isopulegol	0.08
26.151	Menthone	21.01
26.608	Menthofuran	5.48
26.705	Isomenthone	2.97
27.048	Neomenthol	3.45
27.185	Borneol	0.02
27.430	trans-Isopulegone	0.12
27.728	Menthol	39.44
27.819	Terpinen-4-ol	0.56
28.344	Isomenthol	0.73
28.551	Neoisomenthol	0.18
28.776	alpha-Terpineol	0.19
29.571	Unidentified	0.01
29.717	trans-Piperitol	0.01
30.139	Unidentified	0.02
30.755	Nerol	0.01
30.912	Citronellol	0.01
31.534	cis-3-Hexenyl isovalerate	0.05
31.691	Pulegone	1.93
31.969	3-Methyl-hexyl butanoate	0.01

Chromatogram Peppermint Willamette Valley



© Copyright 2024 Shay and Company, All rights reserved.

This report is provided as a courtesy to our customers for their evaluation only. Any publishing, copying, use, dissemination, or distribution of this report, including online, without the express written permission of Shay and Company is strictly prohibited.

R.Time	Name	Area%
32.739	Piperitone	0.50
33.925	Unidentified	0.03
34.020	Neomenthyl acetate	0.20
34.187	Unidentified	0.02
35.083	Unidentified	0.05
35.218	Menthyl acetate	5.43
35.431	Dihydroedulan isomer	0.04
36.217	Menthyl acetate isomer	0.26
36.411	Unidentified	0.01
37.970	delta-Elemene	0.02
38.685	Myrcen-8-yl acetate	0.01
40.829	alpha-Copaene	0.03
41.346	beta-Bourbonene	0.24
41.530	alpha-Bourbonene	0.04
41.729	beta-Elemene	0.09
43.001	Unidentified	0.02
43.629	beta-Caryophyllene	1.73
44.272	beta-Copaene	0.04
45.172	Isogermacrene D	0.01
45.735	trans-beta-Farnesene	0.18
45.865	alpha-Humulene	0.06
46.143	Alloaromadendrene	0.01
46.669	Germacrene D isomer	0.02
47.082	gamma-Murolene	0.01
47.457	Germacrene D	1.94
48.342	Bicyclogermacrene	0.29
48.547	alpha-Murolene	0.01
49.725	delta-Amorphene	0.05
53.469	Caryophyllene oxide	0.01
54.199	Viridiflorol	0.13
		100.00