

Analyzed by :
Analyzed : 3/20/2024 4:53:08 PM : Essential
Sample Type Oil
Sample Name : Peppermint Willamette Valley EO
Injection Volume : 0.10
Lot Number : 13093
Instrument ID : GC-4

R.Time	Name	Area%
3.693	Isobutyl alcohol	0.01
3.990	3-Methylbutanal	0.05
4.092	2-Methylbutanal	0.04
4.306	3-Penten-2-ol	0.01
4.519	alpha-Ethylfuran	0.02
5.093	3-Methylbutanol	0.03
5.170	2-Methylbutanol	0.02
8.235	Ethyl 2-Methylbutyrate	0.01
8.492	cis-3-Hexenol	0.02
8.890	trans-2-Hexenol	0.01
9.015	Hexanol	0.01
10.225	2,5-Diethyltetrahydrofuran	0.02
11.706	alpha-Thujene	0.05
12.107	alpha-Pinene	0.65
12.997	Camphene	0.02
13.121	3-Methylcyclohexanone	0.01
13.205	Unidentified	0.01
14.250	Sabinene	0.44
14.551	beta-Pinene	1.06
14.929	Octan-3-one	0.01
15.174	Myrcene	0.17
15.601	Octan-3-ol	0.20
16.081	para-Mentha-1(7),8-diene	0.01
16.224	alpha-Phellandrene	0.02
16.880	alpha-Terpinene	0.33
17.360	para-Cymene	0.26
17.660	Limonene	1.43
17.846	1,8-Cineole	5.41
18.055	cis-beta-Ocimene	0.26
18.730	trans-beta-Ocimene	0.07
19.511	gamma-Terpinene	0.54
20.284	trans-4-Thujanol	0.59
21.300	Terpinolene	0.16
22.110	8-Hydroxy Isomenthol	0.01
22.253	Linalool	0.37
22.466	2-Methyl 2-Methylbutylbutyrate	0.06
22.700	3-Methyl 3-Methylbutylbutyrate	0.02
22.842	2-Methylbutyl Isovalerate	0.16
23.593	3-Octyl acetate	0.03
23.934	cis-para-Menth-2-en-1-ol	0.06
24.183	allo-Ocimene	0.02
24.973	trans-Sabinol	0.04
25.166	trans-para-Menth-2-en-1-ol	0.05
25.587	Isopulegol	0.08
26.196	Menthone	23.58
26.626	Menthofuran	1.03
26.734	Isomenthone	3.47
27.081	Neomenthol	3.92
27.464	trans-Isopulegone	0.03
27.779	Menthol	40.00
27.856	Terpinen-4-ol	0.98
28.105	Unidentified	0.04
28.160	Unidentified	0.01
28.237	Unidentified	0.03
28.381	Isomenthol	0.77
28.584	Isoisomenthol	0.21
28.810	Fenchol	0.19
28.930	Unidentified	0.01
29.016	Unidentified	0.01
29.606	Thujol isomer	0.01
29.747	trans-Piperitol	0.02
30.170	Unidentified	0.02

19.494,914

27.779

26.196

17.846

35.255

43.751

47.496

43.666

43.311

43.033

40.867

38.007

34.965

31.719

27.779

26.196

24.581

23.711

23.300

22.844

22.581

22.180

21.700

21.300

20.844

20.444

20.044

19.644

19.244

18.844

18.444

18.044

17.644

17.244

16.844

16.444

16.044

15.644

15.244

14.844

14.444

14.044

13.644

13.244

12.844

12.444

12.044

11.644

11.244

10.844

10.444

10.044

9.644

9.244

8.844

8.444

8.044

7.644

7.244

6.844

6.444

6.044

5.644

5.244

4.844

4.444

4.044

3.644

3.244

2.844

2.444

2.044

1.644

1.244

0.844

0.444

0.044

min

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R.Time	Name	Area%
30.780	Nerol	0.01
30.939	Citronellol	0.01
31.570	cis-2-Hexenyl isovalerate	0.06
31.719	Pulegone	0.83
32.116	Carvone	0.02
32.773	Piperitone	0.53
33.965	Unidentified	0.02
34.054	Neomenthyl acetate	0.25
34.223	p-Mentha-1(7),8(10)-dien-9-ol	0.01
35.118	Unidentified	0.10
35.255	Menthyl acetate	5.45
35.465	Unidentified	0.07
36.253	Menthyl acetate isomer	0.25
36.449	Isoisopulegyl acetate	0.01
38.007	delta-Elemene	0.02
40.867	alpha-Copaene	0.05
41.385	beta-Bourbonene	0.44
41.569	alpha-Bourbonene	0.05
41.763	beta-Elemene	0.12
43.033	Limonen-10-yl acetate	0.01
43.666	beta-Caryophyllene	1.95
44.311	beta-Copaene	0.06
45.204	trans-Murrola-4(14),5-diene	0.03
45.771	cis-beta-Farnesene	0.14
45.900	alpha-Humulene	0.07
46.177	Alloaromodendrene	0.02
46.704	Copaene isomer	0.03
47.122	gamma-Murolene	0.02
47.496	Germacrene D	1.61
48.115	Viridiflorene	0.01
48.379	Bicyclogermacrene	0.28
48.577	alpha-Murolene	0.02
49.451	gamma-Cadinene	0.01
49.763	delta-Cadinene	0.07
53.202	Spathulenol	0.02
53.508	Caryophyllene oxide	0.04
54.240	Viridiflorol	0.16
63.751	Benzyl benzoate	0.02
		100.00