Date : 2024-05-16

Certificate of Analysis - GC Profiling

Sample Identification

Internal code : 24E03-PTH02
Customer Identification : Melissa - Hungary - MH0102R
Type : Essential Oil
Source : *Melissa officinalis*
Customer : Plant Therapy

Checked an approved by:

Alexis St-Gelais, Ph. D., Chimiste 2013-174

Notes: This report may not be published, including online, without the written consent from Laboratoire PhytoChemia. This report is digitally signed, it is only considered valid if the digital signature is intact. The results only describe the samples that were submitted to the assays.

Méthode certifiée ISO 17025:2017 Certified method

Laboratoire PhytoChemia

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Gas Chromatographic Analysis

Method : PC-MAT-014 - Analysis of the composition of an essential oil or other volatile liquide by FAST GC-FID
ISO
Results : See analysis summary (next page)
Analyst : Sylvain Mercier, M. Sc., Chimiste 2014-005
Date : 2024-05-15

Physicochemical data

Refractive index : 1.4884 ± 0.0003 (20 °C)
Method : PC-MAT-016 - Measure of the refractive index of a liquid.
Analyst : Cindy Caron B. Sc.
Date : 2024-05-08

Conclusion

No adulterant, contaminant or diluent has been detected using this method.

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Analysis Summary - Consolidated Contents

New readers of similar reports are encouraged to read table footnotes at least once.

Identification	%	Class
Ethanol	tr	Aliphatic alcohol
Isobutyral	tr	Aliphatic aldehyde
2-Methyl-3-buten-2-ol	0.01	Aliphatic alcohol
Isobutanol	tr	Aliphatic alcohol
Isovaleral	0.04	Aliphatic aldehyde
2-Methylbutyral	0.03	Aliphatic aldehyde
2-Ethylfuran	0.02	Furan
Isoamyl alcohol	0.01	Aliphatic alcohol
2-Methylbutanol	tr	Aliphatic alcohol
Hexanal	0.01	Aliphatic aldehyde
Unknown	0.01	Unknown
(2*E*)-Hexenal	0.03	Aliphatic aldehyde
(3*Z*)-Hexenol	0.09	Aliphatic alcohol
trans-1-Methyl-3-(1-methylethyl)-cyclopentane?	0.02	Normonoterpene
Hexanol	0.02	Aliphatic alcohol
2-Methylbutyric acid	0.01	Aliphatic acid
trans-2,5-Diethyltetrahydrofuran	0.01	Furan
α-Pinene	0.03	Monoterpene
Camphene	0.01	Monoterpene
Sabinene	0.04	Monoterpene
β-Pinene	tr	Monoterpene
Octen-3-ol	0.59	Aliphatic alcohol
6-Methyl-5-hepten-2-one	1.06	Aliphatic ketone
Myrcene	0.13	Monoterpene
6-Methyl-5-hepten-2-ol	0.02	Aliphatic alcohol
Octan-3-ol	0.02	Aliphatic alcohol
α-Phellandrene	0.01	Monoterpene
Ethyl hexanoate	0.01	Aliphatic ester
(3*Z*)-Hexenyl acetate	0.01	Aliphatic ester
α-Terpinene	tr	Monoterpene
Hexyl acetate	tr	Aliphatic ester
para-Cymene	0.01	Monoterpene
Limonene	0.64	Monoterpene
Unknown	0.01	Unknown
Unknown	0.03	Unknown
Benzeneacetaldehyde	tr	Simple phenolic
(*Z*)-β-Ocimene	0.35	Monoterpene
(*E*)-β-Ocimene	1.54	Monoterpene
2,6-Dimethyl-5-heptenal (melonal)	0.03	Aliphatic aldehyde

cis-Linalool oxide (fur.)	0.02	Monoterpenic alcohol
trans-Linalool oxide (fur.)	0.01	Monoterpenic alcohol
Terpinolene	0.01	Monoterpene
Rosefuran	0.12	Monoterpenic ether
Linalool	1.45	Monoterpenic alcohol
Nonanal	0.06	Aliphatic aldehyde
cis-Rose oxide	0.04	Monoterpenic ether
Unknown	0.02	Unknown
trans-Rose oxide	0.02	Monoterpenic ether
Melonol ?	0.02	Normonoterpene
cis-para-Mentha-2,8-dien-1-ol	0.02	Monoterpenic alcohol
Unknown	0.04	Unknown
Unknown	0.01	Unknown
neo-Isopulegol	0.26	Monoterpenic alcohol
trans-Chrysanthemal	0.36	Monoterpenic aldehyde
trans-Chrysanthemol	0.04	Monoterpenic alcohol
Citronellal	4.69	Monoterpenic aldehyde
iso-Isopulegol	0.10	Monoterpenic alcohol
Borneol	0.01	Monoterpenic alcohol
Isoneral	0.33	Monoterpenic aldehyde
Rosefuran oxide	[0.11]	Monoterpenic ether
Terpinen-4-ol	[0.11]	Monoterpenic alcohol
Unknown	0.07	Oxygenated monoterpene
Isogeranial	0.51	Monoterpenic aldehyde
α-Terpineol	0.05	Monoterpenic alcohol
Methyl salicylate	0.06	Phenolic ester
trans-Isopiperitenol	0.03	Monoterpenic alcohol
Unknown	0.04	Oxygenated monoterpene
Unknown	0.05	Oxygenated monoterpene
Unknown	0.05	Oxygenated monoterpene
Nerol	0.35	Monoterpenic alcohol
Citronellol	0.19	Monoterpenic alcohol
Neral	17.62	Monoterpenic aldehyde
Piperitone	0.03	Monoterpenic ketone
Geraniol	2.77	Monoterpenic alcohol
Methyl citronellate	0.25	Monoterpenic ester
Geranial	24.19	Monoterpenic aldehyde
Unknown	0.08	Unknown
Unknown	0.16	Oxygenated monoterpene
Geranyl formate	0.05	Monoterpenic ester
Methyl geranate	0.32	Monoterpenic ester
Citronellic acid	0.07	Monoterpenic acid
Unknown	0.02	Unknown
Neric acid	0.07	Monoterpenic acid
α-Cubebene	0.04	Sesquiterpene

Eugenol	0.01	Phenylpropanoid
Citronellyl acetate	0.03	Monoterpenic ester
α-Ylangene	0.05	Sesquiterpene
Geranic acid	0.18	Aliphatic acid
α-Copaene	0.55	Sesquiterpene
1,5-diepi-β-Bourbonene	0.02	Sesquiterpene
β-Bourbonene	0.14	Sesquiterpene
Geranyl acetate	3.39	Monoterpenic ester
β-Cubebene	0.19	Sesquiterpene
β-Elemene	0.27	Sesquiterpene
Isocaryophyllene	0.06	Sesquiterpene
β-Caryophyllene	22.60	Sesquiterpene
β-Copaene	0.04	Sesquiterpene
trans-α-Bergamotene	0.02	Sesquiterpene
Isogermacrene D	0.01	Sesquiterpene
α-Humulene	1.48	Sesquiterpene
cis-Muurola-4(15),5-diene	0.04	Sesquiterpene
(*E*)-β-Farnesene	0.18	Sesquiterpene
trans-Cadina-1(6),4-diene	0.03	Sesquiterpene
γ-Muurolene	0.21	Sesquiterpene
Germacrene D	4.32	Sesquiterpene
γ-Amorphene	0.03	Sesquiterpene
α-Selinene	0.05	Sesquiterpene
Bicyclogermacrene	0.09	Sesquiterpene
α-Muurolene	0.21	Sesquiterpene
(3*Z*,6*E*)-α-Farnesene	0.32	Sesquiterpene
Germacrene A	0.10	Sesquiterpene
γ-Cadinene	0.17	Sesquiterpene
(3*E*,6*E*)-α-Farnesene	0.27	Sesquiterpene
δ-Cadinene	0.72	Sesquiterpene
trans-Cadina-1,4-diene	0.03	Sesquiterpene
α-Cadinene	0.06	Sesquiterpene
Isocaryophyllene epoxide B	0.05	Sesquiterpenic ether
(*E*)-Nerolidol	0.02	Sesquiterpenic alcohol
Germacrene D-4-ol	0.21	Sesquiterpenic alcohol
Caryophyllene oxide	0.70	Sesquiterpenic ether
Caryophyllene oxide isomer	0.13	Sesquiterpenic ether
Humulene epoxide II	0.09	Sesquiterpenic ether
Junenol	0.01	Sesquiterpenic alcohol
1-epi-Cubenol	0.03	Sesquiterpenic alcohol
Caryophylladienol I	0.02	Sesquiterpenic alcohol
Caryophylladienol II	0.03	Sesquiterpenic alcohol
τ-Muurolol	0.15	Sesquiterpenic alcohol
τ-Cadinol	0.12	Sesquiterpenic alcohol
α-Muurolol	0.06	Sesquiterpenic alcohol

α-Cadinol	0.26	Sesquiterpenic alcohol
(3*Z*)-Caryophylla-3,8(13)-dien-5β-ol	0.03	Sesquiterpenic alcohol
Germacra-4(15),5,10(14)-trien-1α-ol	0.02	Sesquiterpenic alcohol
Heptadecane	0.01	Alkane
Eremophilone	0.01	Sesquiterpenic ketone
(2*E*,6*E*)-Farnesal	0.02	Sesquiterpenic aldehyde
Phytone	0.06	Terpenic ketone
trans-9-Nonadecene	0.01	Alkene
Nonadecane	0.04	Alkane
Unknown	0.03	Unknown
Eicosane	0.01	Alkane
Unknown	0.04	Unknown
Unknown	0.04	Unknown
6-Methyl-4,6-bis(4-methylpent-3-en-1-yl)cyclohexa-1,3-dienecarbaldehyde?	0.02	Diterpenic aldehyde
Consolidated total	**97.80**	

tr: The compound has been detected below 0.005% of the total signal

Note: no correction factor was applied

About "consolidated" data: The table above presents the breakdown of the sample volatile constituents after applying an algorithm to collapse data acquired from the multi-columns system of PhytoChemia into a single set of consolidated contents. In case of discrepancies between columns, the algorithm is set to prioritize data from the most standard DB-5 column, and smallest values so as to avoid overestimating individual content. This process is semi-automatic. Advanced users are invited to consult the "Full analysis data" table after the chromatograms in this report to access the full untreated data and perform their own calculations if needed.

Unknowns: Unknown compounds' mass spectral data is presented in the "Full analysis data" table. The occurrence of unknown compounds is to be expected in many samples, and does not denote particular problems unless noted otherwise in the conclusion.

Bracketed value ([xx]): A bracketed percent value indicate that two or more compound percentage could not be solved due to coelution.

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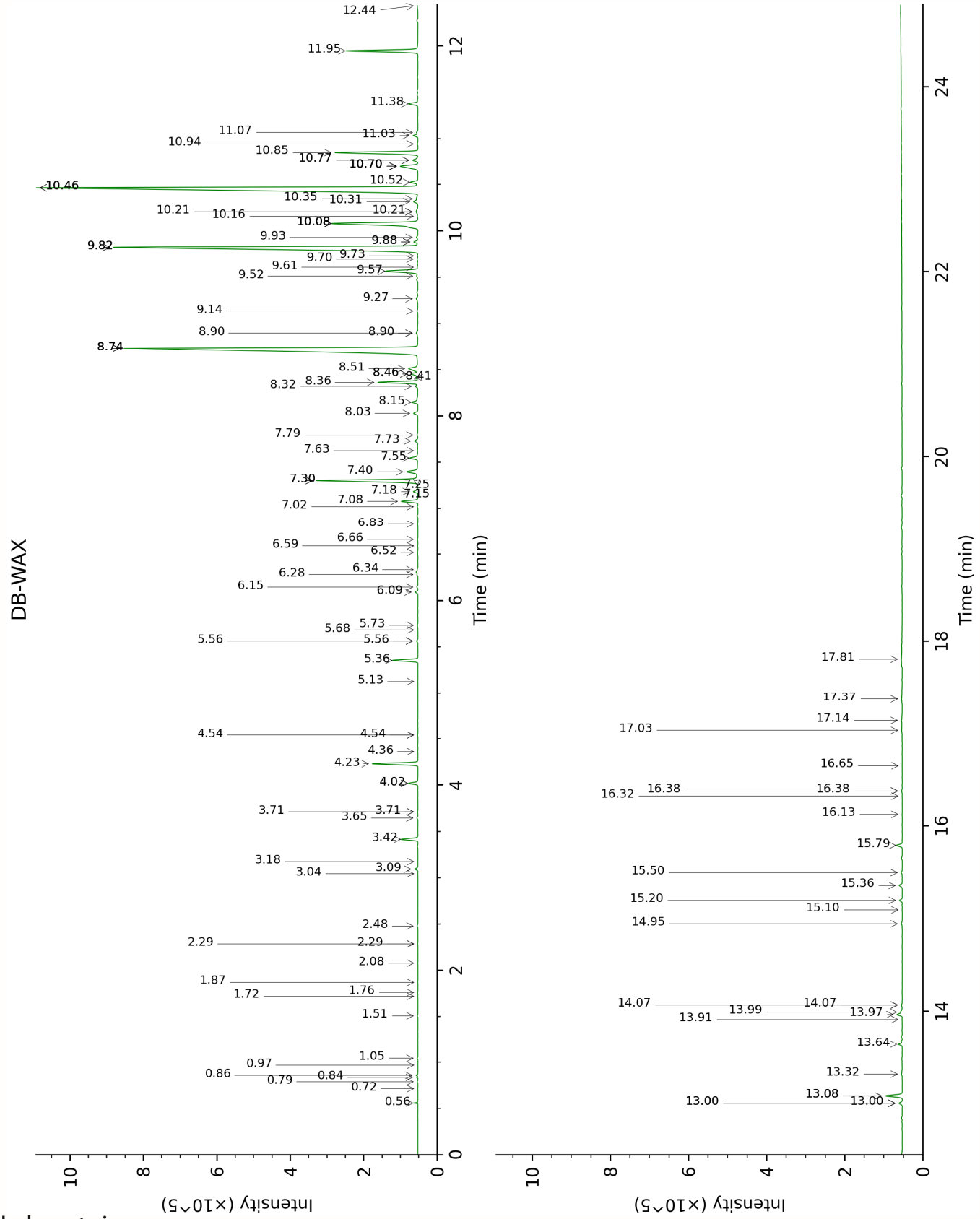
DB-WAX
Time (min)
Intensity (×10^5)
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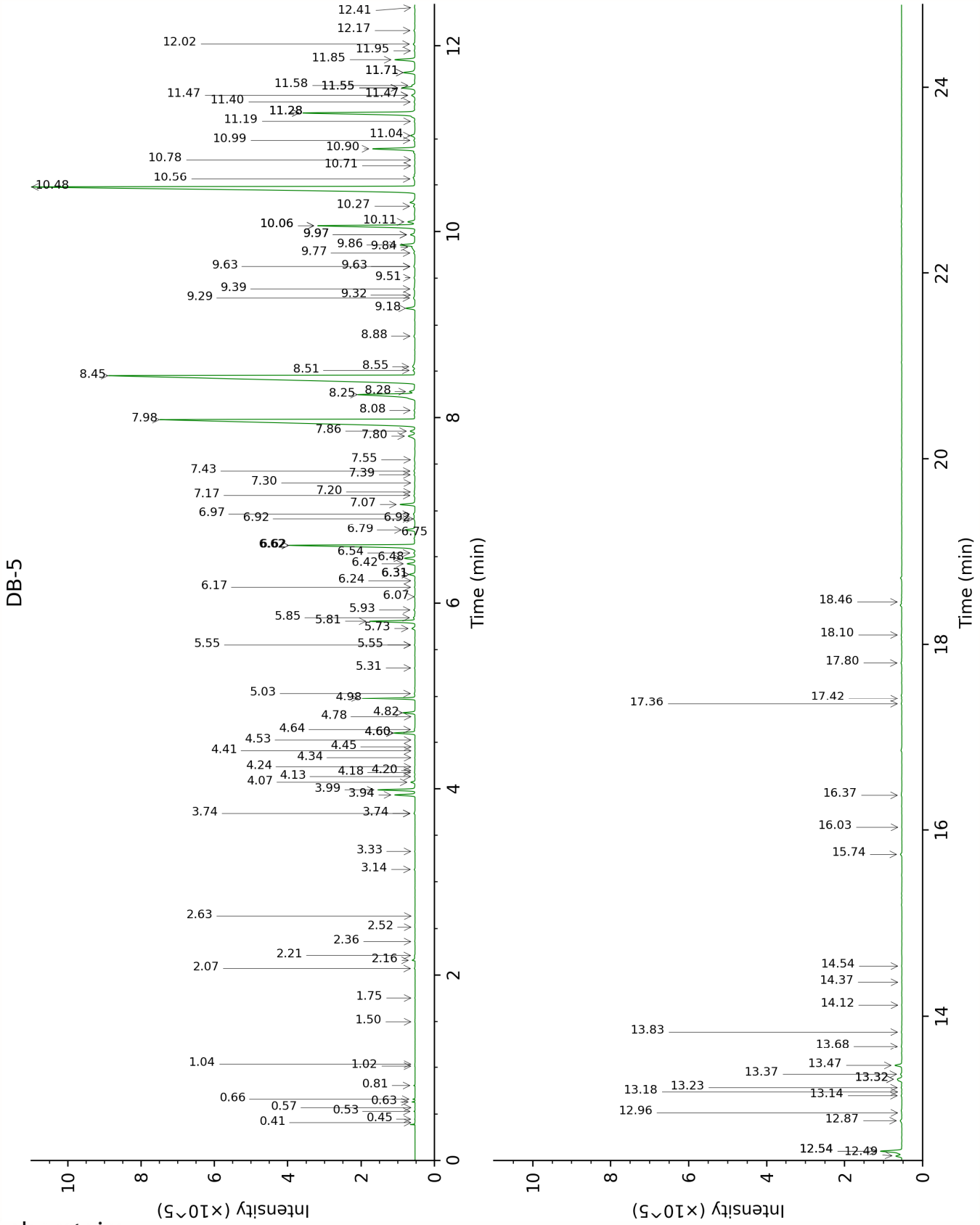
11.95
11.38
11.07
11.03
10.94
10.85
10.77
10.70
10.52
10.46
10.35
10.31
10.21
10.16
10.21
10.08
9.93
9.88
9.82
9.70
9.73
9.61
9.57
9.52
9.27
9.14
8.90
8.90
8.74
8.51
8.46
8.41
8.32
8.36
8.15
8.03
7.79
7.73
7.63
7.55
7.40
7.30
7.25
7.18
7.15
7.02
7.08
6.83
6.66
6.59
6.52
6.34
6.28
6.15
6.09
5.73
5.68
5.56
5.56
5.36
5.13
4.54
4.54
4.36
4.23
4.02
3.71
3.71
3.65
3.42
3.18
3.09
3.04
2.48
2.29
2.29
2.08
1.87
1.76
1.72
1.51
1.05
0.97
0.86
0.84
0.79
0.72
0.56
17.81
17.37
17.14
17.03
16.65
16.38
16.38
16.32
16.13
15.79
15.50
15.36
15.20
15.10
14.95
14.07
14.07
13.99
13.97
13.91
13.64
13.32
13.08
13.00
13.00


DB-5
Time (min)
Intensity (×10^5)
12.41
12.17
12.02
11.95
11.85
11.71
11.58
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11.47
11.47
11.40
11.28
11.19
11.04
10.99
10.90
10.78
10.71
10.56
10.48
10.27
10.11
10.06
9.97
9.86
9.84
9.77
9.63
9.63
9.51
9.39
9.32
9.29
9.18
8.88
8.55
8.51
8.45
8.28
8.25
8.08
7.98
7.86
7.80
7.55
7.43
7.39
7.30
7.20
7.17
7.07
6.97
6.92
6.92
6.79
6.75
6.62
6.54
6.48
6.42
6.31
6.24
6.17
6.07
5.93
5.85
5.81
5.73
5.55
5.55
5.31
5.03
4.98
4.82
4.78
4.64
4.60
4.53
4.45
4.41
4.34
4.24
4.20
4.18
4.13
4.07
3.99
3.94
3.74
3.74
3.33
3.14
2.63
2.52
2.36
2.21
2.16
2.07
1.75
1.50
1.04
1.02
0.81
0.66
0.63
0.57
0.53
0.45
0.41
18.46
18.10
17.80
17.42
17.36
16.37
16.03
15.74
14.54
14.37
14.12
13.83
13.68
13.47
13.37
13.32
13.23
13.18
13.14
12.96
12.87
12.54
12.49

FULL ANALYSIS DATA

	Column DB-WAX			Column DB-5		
Ethanol	0.97	907.6	tr	0.41	506.0	tr
Isobutyral	0.56	778.9	0.06	0.45	537.9	tr
2-Methyl-3-buten-2-ol	1.76	1016.5	0.01	0.53	606.2	0.01
Isobutanol	2.29*	1066.6	[0.01]	0.57	620.4	tr
Isovaleral	0.86	889.1	0.04	0.63	641.5	0.04
2-Methylbutyral	0.84	881.6	0.03	0.66	651.9	0.03
2-Ethylfuran	1.05	919.4	0.02	0.81	702.8	0.02
Isoamyl alcohol	3.71*	1179.9	[0.03]	1.02	733.1	0.01
2-Methylbutanol	3.71*	1179.9	[0.03]	1.04	736.0	tr
Hexanal	2.08	1046.8	0.01	1.50	801.1	0.01
Unknown PEGR III [m/z 81, 69 (80), 41 (65), 83 (52), 109 (48), 55 (47)...]	0.72	838.8	0.01	1.76	823.6	0.01
(2*E*)-Hexenal	3.65	1174.9	0.04	2.07	849.9	0.03
(3*Z*)-Hexenol	6.09	1351.2	0.11	2.16	857.2	0.09
trans-1-Methyl-3-(1-methylethyl)-cyclopentane?	0.79	865.0	0.02	2.21	861.5	0.02
Hexanol	5.73	1325.6	0.03	2.36	873.9	0.02
2-Methylbutyric acid				2.52	886.8	0.01
trans-2,5-Diethyltetrahydrofuran	1.72	1012.5	0.01	2.64	896.7	0.01
α-Pinene	1.51	991.7	0.02	3.14	931.4	0.03
Camphene	1.87	1026.9	0.01	3.33	944.2	0.01
Sabinene	2.48	1085.0	0.04	3.74*	971.2	[0.04]
β-Pinene	2.29*	1066.6	[0.01]	3.74*	971.2	[0.04]
Octen-3-ol	7.08	1422.8	0.63	3.94	984.4	0.59
6-Methyl-5-hepten-2-one	5.36	1298.4	0.95	3.99	988.0	1.06
Myrcene	3.09	1133.3	0.12	4.07	993.4	0.13
6-Methyl-5-hepten-2-ol	7.18	1430.6	0.20	4.13	997.4	0.02
Octan-3-ol	6.34	1368.6	0.02	4.18	1000.3	0.02
α-Phellandrene	3.04	1129.5	0.01	4.20	1001.6	0.01
Ethyl hexanoate	4.02*	1202.2	[0.37]	4.24	1004.3	0.01
(3*Z*)-Hexenyl acetate	5.13	1279.3	0.01	4.34	1010.5	0.01
α-Terpinene	3.18	1139.4	0.01	4.41	1015.1	tr
Hexyl acetate	4.54*	1238.7	[0.02]	4.45	1017.8	tr
para-Cymene	4.36	1226.2	0.01	4.52	1022.4	0.01
Limonene	3.42	1157.6	0.64	4.60*	1027.1	[0.64]
Unknown MEOF I [m/z 59, 43 (13), 41 (11), 109 (11), 127 (9), 55 (8)...]	6.59	1386.9	0.01	4.60*	1027.1	[0.64]

Unknown MEOF II [m/z 59, 43 (16), 41 (13), 109 (12), 127 (8), 55 (8)...]	6.66	1392.0	0.03	4.64	1029.5	0.03
Benzeneacetaldehyde	9.14	1578.5	0.05	4.78	1038.1	tr
(*Z*)-β-Ocimene	4.02*	1202.2	[0.37]	4.82	1040.7	0.35
(*E*)-β-Ocimene	4.23	1217.0	1.68	4.98	1050.7	1.54
2,6-Dimethyl-5-heptenal (melonal)	5.56*	1313.4	[0.05]	5.03	1054.2	0.03
cis-Linalool oxide (fur.)	6.83	1404.4	0.02	5.31	1071.4	0.02
trans-Linalool oxide (fur.)	7.15	1427.7	0.01	5.55*	1086.9	[0.02]
Terpinolene	4.54*	1238.7	[0.02]	5.55*	1086.9	[0.02]
Rosefuran	6.28†	1364.8	0.04	5.73	1098.0	0.12
Linalool	8.36	1518.8	1.48	5.81	1102.9	1.45
Nonanal	6.15	1355.1	0.05	5.85	1105.3	0.06
cis-Rose oxide	5.56*	1313.4	[0.05]	5.93	1110.6	0.04
Unknown CYFL II [m/z 81, 79 (19), 41 (12), 92 (8), 77 (8)...]	6.52	1381.9	0.02	6.07	1119.7	0.02
trans-Rose oxide	5.68	1322.0	0.01	6.17	1126.2	0.02
Melonol ?				6.24	1130.7	0.02
cis-para-Mentha-2,8-dien-1-ol	9.73	1625.5	0.02	6.31*	1135.0	[0.21]
Unknown CYFL IV [m/z 95, 67 (86), 41 (68), 82 (64), 123 (62)...]	7.80	1475.6	0.04	6.31*	1135.0	[0.21]
Unknown MEOF V [m/z 70, 81 (94), 67 (52), 69 (45), 109 (44), 82 (35)...]	7.25	1435.1	0.01	6.31*	1135.0	[0.21]
neo-Isopulegol	8.46*	1525.8	[0.31]	6.42	1142.3	0.26
trans-Chrysanthemal	7.55	1457.3	0.37	6.48	1146.1	0.36
trans-Chrysanthemol	9.88*	1637.6	[0.16]	6.54	1149.7	0.04
Citronellal	7.30*	1439.4	[4.44]	6.62*	1155.0	[4.79]
iso-Isopulegol	8.32	1515.5	0.10	6.62*	1155.0	[4.79]
Borneol	10.08*	1653.5	[4.75]	6.75	1163.3	0.01
Isoneral	8.15	1502.3	0.26	6.79	1165.6	0.33
Rosefuran oxide	8.90*	1560.2	[0.11]	6.92*†	1173.7	[0.07]
Terpinen-4-ol	8.90*	1560.2	[0.11]	6.92*†	1173.7	[0.07]
Unknown CYFL V [m/z 84, 83 (74), 137 (56), 41 (47), 93 (43), 108 (40)... 152 (2)]	9.93	1641.5	0.07	6.97*†	1176.9	[0.10]
Isogeranial	8.51	1530.2	0.58	7.07	1183.5	0.51
α-Terpineol	10.08*	1653.5	[4.75]	7.17	1189.7	0.05
Methyl salicylate	10.77*	1709.7	[0.24]	7.20	1192.2	0.06

trans-Isopiperitenol	10.70*	1704.2	[1.04]	7.30	1198.3	0.03
Unknown CYFL VI [m/z 84, 41 (83), 83 (79), 91 (76), 93 (67), 119 (64), 137 (63), 109 (54), 108 (54)... 152 (4)]	10.46*	1684.3	[24.28]	7.39	1203.9	0.04
Unknown DRMO II [m/z 123, 81 (40), 67 (29), 79 (29), 93 (26), 121 (25), 41 (24), 55 (18), 69 (15)...]				7.43	1206.6	0.05
Unknown EUGL II [m/z 107, 79 (99), 91 (57), 94 (54), 135 (44), 150 (44)]				7.55	1214.7	0.05
Nerol	11.38	1760.7	0.39	7.80	1231.7	0.35
Citronellol	11.03	1731.9	0.19	7.86	1235.3	0.19
Neral	9.82*	1633.0	[17.82]	7.98	1243.5	17.62
Piperitone	10.16	1659.8	0.02	8.08	1250.2	0.03
Geraniol	11.95	1809.6	2.92	8.25	1261.6	2.77
Methyl citronellate	8.46*	1525.8	[0.31]	8.28	1263.7	0.25
Geranial	10.46*	1684.3	[24.28]	8.45	1275.2	24.19
Unknown MEOF III [m/z 59, 81 (60), 43 (57), 84 (42), 127 (32), 85 (30)...]				8.51	1279.0	0.08
Unknown CYFL VII [m/z 43, 69 (77), 41 (70), 109 (54)... 152 (6)]	13.32	1930.9	0.07	8.55	1281.7	0.16
Geranyl formate	10.21*	1663.6	[0.15]	8.88	1304.1	0.05
Methyl geranate	10.08*	1653.5	[4.75]	9.18	1325.1	0.32
Citronellic acid	17.03	2293.2	0.05	9.29	1332.9	0.07
Unknown CYFL VIII [m/z 82, 59 (44), 41 (43), 95 (31), 43 (29), 81 (24)...]	13.00*	1902.2	[0.14]	9.32	1335.1	0.02
Neric acid	17.37	2329.1	0.08	9.39	1339.7	0.07
α-Cubebene	7.02	1418.5	0.03	9.51	1348.2	0.04
Eugenol	15.10	2098.1	0.01	9.63*	1356.6	[0.06]
Citronellyl acetate	9.70	1622.8	0.03	9.63*	1356.6	[0.06]
α-Ylangene	7.30*	1439.4	[4.44]	9.77	1366.8	0.05
Geranic acid	17.81	2375.0	0.22	9.84	1371.4	0.18
α-Copaene	7.40	1446.4	0.60	9.86	1372.9	0.55
1,5-diepi-β-Bourbonene	7.63	1463.2	0.02	9.97*	1380.6	[0.20]
β-Bourbonene	7.73	1470.9	0.14	9.97*	1380.6	[0.20]

Geranyl acetate	10.85	1716.6	3.39	10.06*	1387.4	[3.53]
β-Cubebene	8.03	1493.0	0.19	10.06*	1387.4	[3.53]
β-Elemene	8.74*	1547.4	[22.86]	10.11	1390.4	0.27
Isocaryophyllene	8.41	1522.6	0.10	10.27	1402.1	0.06
β-Caryophyllene	8.74*	1547.4	[22.86]	10.48	1417.4	22.60
β-Copaene	8.74*	1547.4	[22.86]	10.56	1423.8	0.04
trans-α-Bergamotene	8.74*	1547.4	[22.86]	10.71	1434.9	0.02
Isogermacrene D	9.27	1588.6	0.11	10.78	1439.6	0.01
α-Humulene	9.57	1612.3	1.48	10.90	1448.5	1.48
cis-Muurola-4(15),5-diene	9.61	1615.8	0.03	10.99	1455.2	0.04
(*E*)-β-Farnesene	9.82*	1633.0	[17.82]	11.04	1459.0	0.18
trans-Cadina-1(6),4-diene	9.52	1608.1	0.06	11.19	1470.4	0.03
γ-Muurolene	9.88*	1637.6	[0.16]	11.28*	1477.1	[4.53]
Germacrene D	10.08*	1653.5	[4.75]	11.28*	1477.1	[4.53]
γ-Amorphene	10.08*	1653.5	[4.75]	11.40	1486.0	0.03
α-Selinene	10.21*	1663.6	[0.15]	11.47*	1491.2	[0.14]
Bicyclogermacrene	10.35	1674.8	0.09	11.47*	1491.2	[0.14]
α-Muurolene	10.32	1672.3	0.21	11.55*	1497.2	[0.50]
(3*Z*,6*E*)-α-Farnesene	10.52	1689.0	0.32	11.55*	1497.2	[0.50]
Germacrene A	10.70*	1704.2	[1.04]	11.58	1499.1	0.10
γ-Cadinene	10.70*	1704.2	[1.04]	11.71*	1509.7	[0.44]
(3*E*,6*E*)-α-Farnesene	10.77*	1709.7	[0.24]	11.71*	1509.7	[0.44]
δ-Cadinene	10.70*	1704.2	[1.04]	11.85	1520.6	0.72
trans-Cadina-1,4-diene	10.94	1724.4	0.03	11.95	1528.1	0.03
α-Cadinene	11.07	1734.8	0.06	12.02	1533.7	0.06
Isocaryophyllene epoxide B	12.44	1852.6	0.09	12.17	1545.2	0.05
(*E*)-Nerolidol	14.07*	2000.2	[0.05]	12.41	1564.7	0.02
Germacrene D-4-ol	13.97	1990.4	0.24	12.49	1570.8	0.21
Caryophyllene oxide	13.08*	1909.5	[0.71]	12.54*	1574.9	[0.83]
Caryophyllene oxide isomer	13.00*	1902.2	[0.14]	12.54*	1574.9	[0.83]
Humulene epoxide II	13.64	1960.7	0.18	12.87	1600.7	0.09
Junenol	13.91	1985.3	0.02	12.96	1607.4	0.01
1-epi-Cubenol	14.07*	2000.2	[0.05]	13.14	1622.7	0.03
Caryophylladienol I	16.32	2220.2	0.01	13.18	1626.0	0.02
Caryophylladienol II	16.38*	2225.9	[0.04]	13.23	1629.8	0.03
τ-Muurolol	15.36	2124.0	0.15	13.32*	1637.3	[0.25]
τ-Cadinol	15.20	2108.2	0.12	13.32*	1637.3	[0.25]
α-Muurolol	15.50	2137.6	0.05	13.37	1641.8	0.06
α-Cadinol	15.79	2166.4	0.25	13.47	1649.7	0.26
(3*Z*)-Caryophylla-3,8(13)-dien-5β-ol	17.14	2304.5	0.08	13.68	1667.0	0.03

Germacra-4(15),5,10(14)-trien-1α-ol	16.38*	2225.9	[0.04]	13.83	1679.8	0.02
Heptadecane	10.70*	1704.2	[1.04]	14.12	1703.7	0.01
Eremophilone	16.65	2253.6	0.01	14.37	1725.1	0.01
(2*E*,6*E*)-Farnesal	16.13	2200.1	0.01	14.54	1740.2	0.02
Phytone	14.95	2083.3	0.06	15.74	1846.2	0.06
trans-9-Nonadecene	13.08*	1909.5	[0.71]	16.03	1872.6	0.01
Nonadecane	13.00*	1902.2	[0.14]	16.37	1903.9	0.04
Unknown LICU V [m/z 41, 69 (95), 109 (41), 95 (39), 55 (36), 121 (36)...]				17.36	1997.3	0.03
Eicosane	13.99	1992.9	0.06	17.42	2003.1	0.01
Unknown LICU VII [m/z 69, 41 (94), 81 (42), 109 (39), 107 (33), 43 (31)...]				17.80	2041.3	0.04
Unknown CYFL IX [m/z 93, 69 (95), 135 (76), 107 (53), 41 (53), 109 (50)... 235 (10)...]				18.10	2071.2	0.04
6-Methyl-4,6-bis(4-methylpent-3-en-1-yl)cyclohexa-1,3-dienecarbaldehyde?				18.46	2106.6	0.02
Total reported		97.78%			97.87%	

*: Two or more compounds are coeluting on this column

[xx]: Duplicate percentage due to coelutions, only the first one is taken into account in the consolidated total

†: Peaks apexes were resolved, but peaks overlapped and were summed for analysis

tr: The compound has been detected below 0.005% of total signal.

Note: no correction factor was applied
R.T.: Retention time (minutes)
R.I.: Retention index