Date : 2026-02-04

Certificate of Analysis - GC Profiling

Sample Identification

Internal code : 26A21-PTH02
Customer Identification : Geranium Bourbon - Madagascar - G20112R
Type : Essential Oil
Source : *Pelargonium graveolens ct. Madagascar*
Customer : Plant Therapy

Checked an approved by:

Sylvain Mercier, M. Sc., Chimiste 2014-005

Notes: This report may not be published, including online, without the written consent from Laboratoire PhytoChemia.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. The compliance status of the sample is provided to facilitate the reading of the report. The client remains ultimately responsible for reviewing the results presented within this report and to establish compliance of the tested batch against relevant quality criteria.

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 : Jean-Christophe Fortin, M. Sc.
Date : 2026-02-04

Physicochemical data

Refractive index : 1.4663 ± 0.0003 (20 °C)
Method : PC-MAT-016 - Measure of the refractive index of a liquid.
Analyst : Cindy Caron B. Sc.
Date : 2026-01-22

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
Isobutyral	tr	Aliphatic aldehyde
2-Methyl-3-buten-2-ol	0.02	Aliphatic alcohol
Isovaleral	tr	Aliphatic aldehyde
2-Methylbutyral	tr	Aliphatic aldehyde
Isoamyl alcohol	0.01	Aliphatic alcohol
Toluene	tr	Simple phenolic
Isoamyl formate	tr	Aliphatic ester
Hexanal	tr	Aliphatic aldehyde
Unknown	0.02	Unknown
3-Methylpentanol	0.03	Aliphatic alcohol
(3*Z*)-Hexenol	0.01	Aliphatic alcohol
Hexanol	tr	Aliphatic alcohol
3-Acetyl-3-methylcyclopentene	0.01	Aliphatic ketone
3-Methylpentyl formate?	0.02	Aliphatic ester
Hashishene	0.01	Monoterpene
Tricyclene	0.01	Monoterpene
α-Thujene	0.01	Monoterpene
α-Pinene	0.48	Monoterpene
Unknown	0.01	Simple phenolic
Camphene	0.01	Monoterpene
Geranic oxide	0.03	Monoterpenic ether
β-Pinene	0.02	Monoterpene
Sabinene	tr	Monoterpene
Octen-3-ol	0.02	Aliphatic alcohol
6-Methyl-5-hepten-2-one	0.07	Aliphatic ketone
trans-Dehydroxylinalool oxide	0.03	Monoterpenic ether
Myrcene	0.11	Monoterpene
6-Methyl-5-hepten-2-ol	0.01	Aliphatic alcohol
α-Phellandrene	0.05	Monoterpene
cis-Dehydroxylinalool oxide	0.03	Monoterpenic ether
Δ3-Carene	0.01	Monoterpene
α-Terpinene	0.01	Monoterpene
para-Cymene	0.09	Monoterpene
Unknown	0.03	Unknown
Limonene	0.14	Monoterpene
1,8-Cineole	0.02	Monoterpenic ether
Unknown	0.02	Unknown
β-Phellandrene	0.03	Monoterpene
Benzeneacetaldehyde	tr	Simple phenolic
(*Z*)-β-Ocimene	0.11	Monoterpene

(*E*)-β-Ocimene	0.08	Monoterpene
Unknown	0.02	Unknown
Isobutyl angelate	0.01	Aliphatic ester
γ-Terpinene	0.01	Monoterpene
Unknown	0.01	Oxygenated monoterpene
cis-Linalool oxide (fur.)	0.17	Monoterpenic alcohol
Octanol	0.01	Aliphatic alcohol
Fenchone	tr	Monoterpenic ketone
para-Cymenene	0.07	Monoterpene
trans-Linalool oxide (fur.)	0.01	Monoterpenic alcohol
Terpinolene	0.03	Monoterpene
Rosefuran	0.02	Monoterpenic ether
Linalool	4.66	Monoterpenic alcohol
(*Z*)-6-Methyl-3,5-heptadien-2-one	0.02	Aliphatic ketone
cis-Rose oxide	1.01	Monoterpenic ether
Phenylethyl alcohol	0.01	Simple phenolic
trans-Rose oxide	0.41	Monoterpenic ether
Unknown	0.02	Unknown
Unknown	0.03	Oxygenated normonoterpene
Menthone	2.28	Monoterpenic ketone
Citronellal	0.02	Monoterpenic aldehyde
iso-Isopulegol	0.07	Monoterpenic alcohol
Isomenthone	4.85	Monoterpenic ketone
neo-Menthol	0.04	Monoterpenic alcohol
Terpinen-4-ol	0.04	Monoterpenic alcohol
Menthol	0.02	Monoterpenic alcohol
Isomenthol	0.11	Monoterpenic alcohol
para-Cymen-8-ol	0.03	Monoterpenic alcohol
α-Terpineol	0.33	Monoterpenic alcohol
Myrtenol	0.05	Monoterpenic alcohol
Unknown	0.01	Unknown
Unknown	0.02	Oxygenated monoterpene
Nerol	0.34	Monoterpenic alcohol
Citronellol	21.48	Monoterpenic alcohol
Neral	0.29	Monoterpenic aldehyde
Piperitone	0.02	Monoterpenic ketone
Geraniol	14.96	Monoterpenic alcohol
Geranial	0.75	Monoterpenic aldehyde
Citronellyl formate	10.51	Monoterpenic ester
Neryl formate	0.32	Monoterpenic ester
Geranyl formate	6.52	Monoterpenic ester
(3*Z*)-Hexenyl tiglate	0.02	Aliphatic ester
Methyl geranate	0.03	Monoterpenic ester
Phenylethyl propionate	0.08	Phenolic ester
α-Cubebene	0.07	Sesquiterpene

Citronellyl acetate	0.32	Monoterpenic ester
Geranic acid	0.12	Aliphatic acid
Neryl acetate	0.05	Monoterpenic ester
α-Ylangene	0.02	Sesquiterpene
α-Copaene	0.33	Sesquiterpene
β-Bourbonene	1.00	Sesquiterpene
1,5-diepi-β-Bourbonene	0.07	Sesquiterpene
Geranyl acetate	0.42	Monoterpenic ester
β-Elemene	0.14	Sesquiterpene
Phenylethyl isobutyrate	0.11	Phenolic ester
α-Gurjunene	0.03	Sesquiterpene
β-Caryophyllene	1.02	Sesquiterpene
β-Ylangene	0.09	Sesquiterpene
Thymohydroquinone dimethyl ether	0.10	Monoterpenic ether
Heptyl tiglate	0.03	Aliphatic ester
trans-α-Bergamotene	[0.71]	Sesquiterpene
α-Guaiene	[0.71]	Sesquiterpene
6,9-Guaiadiene	6.34	Sesquiterpene
Unknown	0.40	Sesquiterpene
Citronellyl propionate	0.53	Monoterpenic ester
α-Humulene	0.26	Sesquiterpene
allo-Aromadendrene	0.24	Sesquiterpene
trans-Cadina-1(6),4-diene	0.22	Sesquiterpene
γ-Muurolene	0.11	Sesquiterpene
Geranyl propionate	1.09	Monoterpenic ester
Germacrene D	0.56	Sesquiterpene
β-Selinene	0.20	Sesquiterpene
γ-Amorphene	0.14	Sesquiterpene
Bicyclogermacrene	0.12	Sesquiterpene
Viridiflorene	0.03	Sesquiterpene
4-epi-*cis*-Dihydroagarofuran	0.11	Sesquiterpenic ether
α-Muurolene	0.14	Sesquiterpene
δ-Amorphene	0.13	Sesquiterpene
γ-Cadinene	0.29	Sesquiterpene
Geranyl isobutyrate	0.34	Monoterpenic ester
trans-Calamenene	0.20	Sesquiterpene
δ-Cadinene	0.54	Sesquiterpene
Zonarene	0.08	Sesquiterpene
Citronellyl butyrate	0.57	Monoterpenic ester
α-Cadinene	0.09	Sesquiterpene
α-Agarofuran	0.02	Sesquiterpenic ether
α-Calacorene	0.10	Sesquiterpene
Furopelargone isomer	0.12	Sesquiterpenic ketone
1-nor-Bourbonanone	0.03	Norsesquiterpenic ketone
Geranyl butyrate	1.12	Monoterpenic ester

Spathulenol	0.03	Sesquiterpenic alcohol
Caryophyllene oxide isomer	0.02	Sesquiterpenic ether
Caryophyllene oxide	0.23	Sesquiterpenic ether
Globulol	0.04	Sesquiterpenic alcohol
Phenylethyl tiglate	0.58	Phenolic ester
Furopelargone A	0.45	Sesquiterpenic ketone
Geranyl 2-methylbutyrate?	0.01	Monoterpenic ester
Geranyl isovalerate	0.44	Monoterpenic ester
10-epi-γ-Eudesmol	0.28	Sesquiterpenic alcohol
1-epi-Cubenol	0.12	Sesquiterpenic alcohol
γ-Eudesmol	0.06	Sesquiterpenic alcohol
Citronellyl valerate?	0.01	Monoterpenic ester
Cubenol	0.14	Sesquiterpenic alcohol
β-Eudesmol	0.34	Sesquiterpenic alcohol
α-Eudesmol	0.08	Sesquiterpenic alcohol
α-Cadinol	0.08	Sesquiterpenic alcohol
Geranyl valerate	0.09	Monoterpenic ester
Citronellyl tiglate	0.31	Monoterpenic ester
Citronellyl 4-methylvalerate	0.09	Monoterpenic ester
3β,4β-Oxidoagarofuran?	0.08	Sesquiterpenic ether
Geranyl tiglate	1.49	Monoterpenic ester
Geranyl 4-methylvalerate?	0.17	Monoterpenic ester
Citronellyl caproate	0.04	Monoterpenic ester
Geranyl caproate	0.09	Monoterpenic ester
Citronellyl heptanoate	0.03	Monoterpenic ester
Phytone	0.03	Terpenic ketone
Geranyl heptanoate	0.06	Monoterpenic ester
Citronellyl caprylate	0.04	Monoterpenic ester
Geranyl caprylate	0.06	Monoterpenic ester
Consolidated total	**95.52**	

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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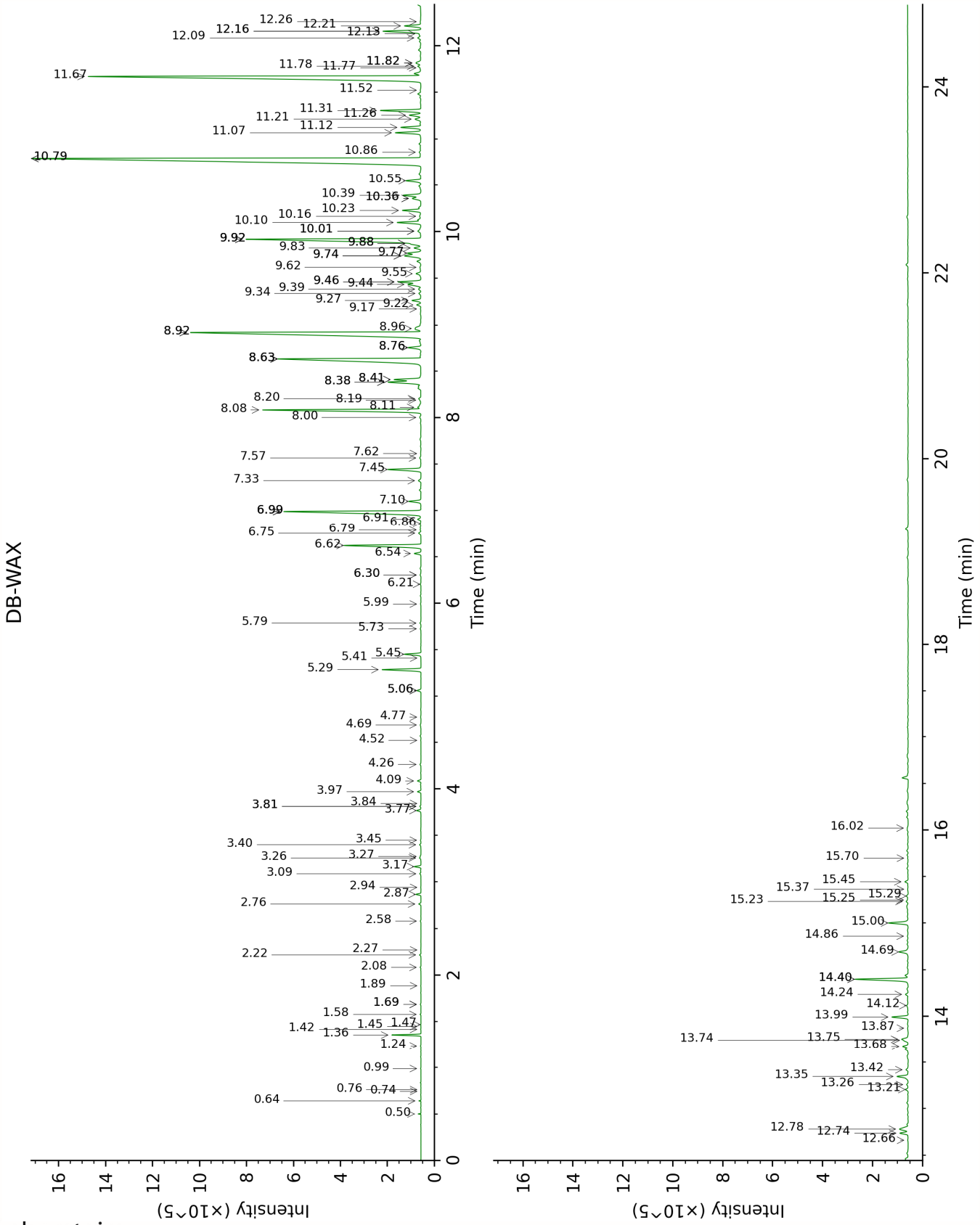
DB-WAX
Time (min)
Intensity (×10^5)
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12.21
12.16
12.13
12.09
11.82
11.78
11.77
11.67
11.52
11.31
11.28
11.21
11.12
11.07
10.86
10.79
10.55
10.39
10.36
10.23
10.16
10.10
10.01
9.92
9.88
9.83
9.74
9.77
9.62
9.55
9.46
9.44
9.39
9.34
9.27
9.22
9.17
8.96
8.92
8.76
8.63
8.41
8.38
8.20
8.19
8.11
8.08
8.00
7.62
7.57
7.45
7.33
7.10
6.99
6.91
6.86
6.79
6.75
6.62
6.54
6.30
6.21
5.99
5.79
5.73
5.45
5.41
5.29
5.06
4.77
4.69
4.52
4.26
4.09
3.97
3.84
3.81
3.77
3.45
3.40
3.27
3.26
3.17
3.09
2.94
2.87
2.76
2.58
2.27
2.22
2.08
1.89
1.69
1.58
1.47
1.45
1.42
1.36
1.24
0.99
0.76
0.74
0.64
0.50
16.02
15.70
15.45
15.37
15.29
15.25
15.23
15.00
14.86
14.69
14.40
14.24
14.12
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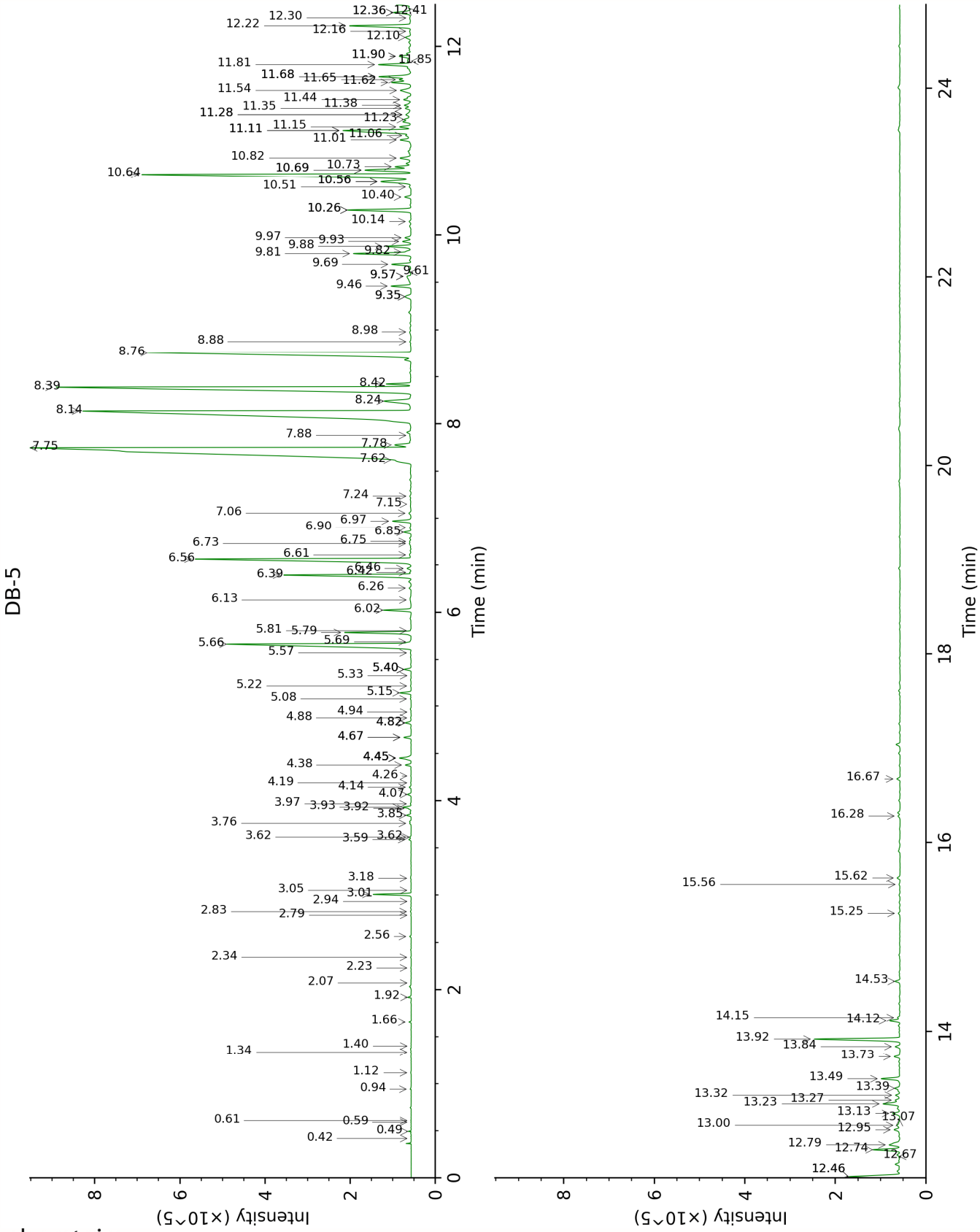
13.35
13.26
13.21
12.78
12.74
12.66



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FULL ANALYSIS DATA

	Column DB-WAX			Column DB-5		
Isobutyral	0.50	783.8	0.02	0.42	540.9	tr
2-Methyl-3-buten-2-ol	1.58	1015.7	0.01	0.49	605.8	0.02
Isovaleral	0.76	888.2	tr	0.59	642.8	tr
2-Methylbutyral	0.74	881.2	tr	0.61	649.2	tr
Isoamyl alcohol	3.45	1179.8	0.01	0.94	731.9	0.01
Toluene	1.47	1004.8	tr	1.12	757.3	tr
Isoamyl formate	1.69*	1026.3	[0.01]	1.34	789.7	tr
Hexanal	1.89	1046.1	tr	1.40	799.4	tr
Unknown PEGR III [m/z 81, 69 (80), 41 (65), 83 (52), 109 (48), 55 (47)...]	0.64	844.5	0.02	1.66	823.4	0.02
3-Methylpentanol	5.06*	1299.8	[0.10]	1.92	845.5	0.03
(3*Z*)-Hexenol	5.79	1350.0	0.03	2.07	858.4	0.01
Hexanol	5.41	1323.1	tr	2.23	871.9	tr
3-Acetyl-3-methylcyclopentene	0.99	931.1	0.01	2.34	881.5	0.01
3-Methylpentyl formate?	3.09	1151.5	0.03	2.56	900.2	0.02
Hashishene	1.42	999.8	tr	2.79	916.2	0.01
Tricyclene	1.24	971.5	0.01	2.83	918.8	0.01
α-Thujene	1.45	1003.0	tr	2.94	926.0	0.01
α-Pinene	1.36	990.8	0.48	3.01	931.0	0.48
Unknown ACMI I [m/z 122, 121 (36), 107 (33), 79 (27), 93 (25), 77 (25), 43 (20)]	3.84	1210.1	0.01	3.05	933.9	0.01
Camphene	1.69*	1026.3	[0.01]	3.18	942.5	0.01
Geranic oxide	2.22	1079.0	0.03	3.59	970.1	0.03
β-Pinene	2.08	1065.7	0.02	3.62*	971.8	[0.02]
Sabinene	2.27	1084.3	tr	3.62*	971.8	[0.02]
Octen-3-ol	6.79	1422.6	0.02	3.76	981.6	0.02
6-Methyl-5-hepten-2-one	5.06*	1299.8	[0.10]	3.85	987.3	0.07
trans-Dehydroxylinalool oxide	3.40	1176.0	0.03	3.92	992.3	0.03
Myrcene	2.87	1134.1	0.11	3.93	993.1	0.11
6-Methyl-5-hepten-2-ol	6.91	1431.4	0.10	3.97	995.5	0.01
α-Phellandrene	2.76	1126.0	0.05	4.07	1002.2	0.05
cis-Dehydroxylinalool	3.81*	1207.8	[0.03]	4.14	1007.2	0.03

oxide						
Δ3-Carene	2.58	1111.6	0.01	4.19	1010.2	0.01
α-Terpinene	2.94	1139.9	tr	4.26	1014.8	0.01
para-Cymene	4.09	1227.9	0.08	4.38	1022.2	0.09
Unknown COCI XLIV [m/z 59, 43 (12), 109 (11), 41 (10), 127 (8)...]	6.30*	1387.0	[0.03]	4.45*	1026.9	[0.24]
Limonene	3.17	1157.5	0.14	4.45*	1026.9	[0.24]
1,8-Cineole	3.28	1166.1	0.02	4.45*	1026.9	[0.24]
Unknown COCI XLIII [m/z 59, 43 (11), 109 (10), 41 (10), 127 (8)...]	6.20	1379.9	0.02	4.45*	1026.9	[0.24]
β-Phellandrene	3.26	1164.8	0.03	4.45*	1026.9	[0.24]
Benzeneacetaldehyde	8.76*	1571.5	[0.38]	4.67*	1040.8	[0.11]
(*Z*)-β-Ocimene	3.77	1204.5	0.11	4.67*	1040.8	[0.11]
(*E*)-β-Ocimene	3.97	1219.4	0.08	4.82*	1050.5	[0.10]
Unknown COCI V [m/z 125, 69 (75), 41 (34), 55 (25), 93 (22)... 140 (3)]	4.69	1272.0	0.02	4.82*	1050.5	[0.10]
Isobutyl angelate	4.52	1259.8	0.01	4.88	1053.9	0.01
γ-Terpinene	3.81*	1207.8	[0.03]	4.94	1057.8	0.01
Unknown PIMA I [m/z 79, 93 (60), 43 (40), 94 (35), 137 (33), 77 (26), 91 (20), 152 (18)]	4.77	1278.2	0.01	5.08	1067.2	0.01
cis-Linalool oxide (fur.)	6.54	1403.7	0.17	5.15	1071.3	0.17
Octanol	8.19	1527.4	0.02	5.22	1076.0	0.01
Fenchone	5.73	1345.6	0.02	5.33	1082.9	tr
para-Cymenene	6.30*	1387.0	[0.03]	5.40*	1087.2	[0.10]
trans-Linalool oxide (fur.)	6.86	1427.9	0.01	5.40*	1087.2	[0.10]
Terpinolene	4.26	1240.8	0.03	5.40*	1087.2	[0.10]
Rosefuran	5.99	1364.7	0.01	5.57	1098.3	0.02
Linalool	8.08	1519.2	4.62	5.66	1104.3	4.66
(*Z*)-6-Methyl-3,5-heptadien-2-one	8.20	1528.5	0.07	5.69	1105.8	0.02
cis-Rose oxide	5.29	1314.2	0.99	5.79	1112.3	1.01
Phenylethyl alcohol	12.13	1852.1	0.05	5.81	1113.5	0.01
trans-Rose oxide	5.45	1326.0	0.42	6.02	1127.6	0.41
Unknown CYFL IV [m/z 95, 67 (86), 41 (68), 82 (64), 123 (62)...]	7.57	1480.2	0.04	6.13	1134.7	0.02

Unknown COCI VIII [m/z 41, 69 (87), 82 (66), 67 (55), 109 (46)... 142 (18)]	9.39	1620.9	0.07	6.26	1142.8	0.03
Menthone	6.62	1410.1	2.31	6.40	1151.9	2.28
Citronellal	6.99*	1437.5	[4.95]	6.42	1153.6	0.02
iso-Isopulegol	8.00	1513.0	0.04	6.46	1156.4	0.07
Isomenthone	6.99*	1437.5	[4.95]	6.56	1162.9	4.85
neo-Menthol	8.63*	1561.6	[6.32]	6.61	1165.8	0.04
Terpinen-4-ol	8.63*	1561.6	[6.32]	6.73	1173.6	0.04
Menthol	9.17	1603.8	0.01	6.75	1175.1	0.02
Isomenthol	8.92*	1584.0	[10.59]	6.85	1181.6	0.11
para-Cymen-8-ol	11.52	1798.4	0.02	6.90	1184.9	0.03
α-Terpineol	9.77	1652.0	0.38	6.97	1189.5	0.33
Myrtenol	10.86	1742.0	0.05	7.06	1195.1	0.05
Unknown MEPI V [m/z 43, 99 (84), 81 (46), 986 (43), 126 (36), 71 (28)... 170 (12)]				7.15	1201.3	0.01
Unknown DRMO II [m/z 123, 81 (40), 67 (29), 79 (29), 93 (26), 121 (25), 41 (24), 55 (18), 69 (15)...]				7.24	1206.9	0.02
Nerol	11.07	1759.7	0.71	7.62	1233.1	0.34
Citronellol	10.79*	1736.3	[21.57]	7.75†	1242.0	21.90
Neral	9.46*	1627.2	[0.62]	7.78†	1244.0	0.34
Piperitone	9.88*	1660.5	[0.28]	7.88	1251.0	0.02
Geraniol	11.67	1811.5	14.51	8.14	1268.7	14.96
Geranial	10.10	1678.5	0.65	8.24	1275.9	0.75
Citronellyl formate	8.92*	1584.0	[10.59]	8.39	1286.1	10.51
Neryl formate	9.44	1625.0	0.43	8.42	1288.4	0.32
Geranyl formate	9.92*	1664.0	[6.61]	8.76	1307.7	6.52
(3*Z*)-Hexenyl tiglate	9.34	1617.2	0.06	8.88	1316.2	0.02
Methyl geranate	9.74*	1649.7	[0.61]	8.98	1323.6	0.03
Phenylethyl propionate	11.78	1821.2	0.08	9.35*	1350.0	[0.16]
α-Cubebene	6.75	1419.9	0.07	9.35*	1350.0	[0.16]
Citronellyl acetate	9.46*	1627.2	[0.62]	9.46	1358.0	0.32
Geranic acid				9.57*	1365.3	[0.17]
Neryl acetate	10.16	1683.9	0.05	9.57*	1365.3	[0.17]
α-Ylangene	6.99*	1437.5	[4.95]	9.61	1368.4	0.02
α-Copaene	7.10	1445.7	0.34	9.69	1374.3	0.33
β-Bourbonene	7.44	1471.1	0.98	9.81	1382.3	1.00
1,5-diepi-β-	7.32	1462.2	0.08	9.82	1383.6	0.07

Bourbonene						
Geranyl acetate	10.55	1715.6	0.44	9.88	1387.8	0.42
β-Elemene	8.38*	1542.3	[1.07]	9.93	1391.5	0.14
Phenylethyl isobutyrate	11.82*	1824.3	[0.20]	9.97	1394.2	0.11
α-Gurjunene	7.62	1483.7	0.01	10.14	1406.3	0.03
β-Caryophyllene	8.38*	1542.3	[1.07]	10.26*	1415.4	[1.11]
β-Ylangene	8.11	1521.4	0.09	10.26*	1415.4	[1.11]
Thymohydroquinone dimethyl ether	11.82*	1824.3	[0.20]	10.40	1425.7	0.10
Heptyl tiglate				10.51	1433.8	0.03
trans-α-Bergamotene	8.41*	1544.4	[0.76]	10.56*	1438.0	[0.71]
α-Guaiene	8.41*	1544.4	[0.76]	10.56*	1438.0	[0.71]
6,9-Guaiadiene	8.63*	1561.6	[6.32]	10.64	1443.9	6.34
Unknown BOCA IV [m/z 91, 161 (92), 105 (85), 119 (63), 133 (53), 79 (49), 204 (46)]	8.76*	1571.5	[0.38]	10.69*	1447.6	[0.93]
Citronellyl propionate	10.23	1689.0	0.53	10.69*	1447.6	[0.93]
α-Humulene	9.26	1611.1	0.26	10.73	1450.2	0.26
allo-Aromadendrene	8.96	1587.3	0.17	10.82	1457.1	0.24
trans-Cadina-1(6),4-diene	9.22	1607.3	0.12	11.01	1471.6	0.22
γ-Muurolene	9.55	1634.2	0.15	11.06	1475.1	0.11
Geranyl propionate	11.31	1779.9	1.09	11.11*	1479.0	[1.65]
Germacrene D	9.74*	1649.7	[0.61]	11.11*	1479.0	[1.65]
β-Selinene	9.83	1656.5	0.19	11.15	1481.9	0.20
γ-Amorphene	9.88*	1660.5	[0.28]	11.23	1487.8	0.14
Bicyclogermacrene	10.01*	1671.1	[0.10]	11.28*	1491.6	[0.15]
Viridiflorene	9.62	1639.8	0.03	11.28*	1491.6	[0.15]
4-epi-*cis*-Dihydroagarofuran	9.92*	1664.0	[6.61]	11.35	1496.6	0.11
α-Muurolene	10.01*	1671.1	[0.10]	11.38	1499.1	0.14
δ-Amorphene	9.92*	1664.0	[6.61]	11.44	1503.5	0.13
γ-Cadinene	10.36*	1699.5	[0.29]	11.54	1511.0	0.29
Geranyl isobutyrate	11.26	1775.6	0.34	11.62	1517.7	0.34
trans-Calamenene	11.21	1772.1	0.19	11.65	1520.1	0.20
δ-Cadinene	10.39	1702.3	0.54	11.68*	1522.5	[0.62]
Zonarene	10.36*	1699.5	[0.29]	11.68*	1522.5	[0.62]
Citronellyl butyrate	11.12	1764.6	0.55	11.81	1532.6	0.57
α-Cadinene	10.79*	1736.3	[21.57]	11.84	1535.5	0.09
α-Agarofuran	11.76	1819.7	0.02	11.90*	1539.6	[0.23]
α-Calacorene	12.09	1848.1	0.10	11.90*	1539.6	[0.23]
Furopelargone isomer	12.78	1910.1	0.37	12.10	1555.4	0.12

1-nor-Bourbonanone	13.42	1969.0	0.07	12.16	1560.4	0.03
Geranyl butyrate	12.16*	1854.4	[1.08]	12.22	1565.0	1.12
Spathulenol	14.40*	2062.2	[1.51]	12.30	1571.6	0.03
Caryophyllene oxide isomer	12.66	1899.1	0.02	12.36*	1576.1	[0.35]
Caryophyllene oxide	12.74	1906.1	0.23	12.36*	1576.1	[0.35]
Globulol	13.87	2011.5	0.03	12.41	1580.1	0.04
Phenylethyl tiglate	15.00	2121.4	0.58	12.46*	1583.7	[1.02]
Furopelargone A	13.99	2023.1	0.45	12.46*	1583.7	[1.02]
Geranyl 2-methylbutyrate?	12.16*	1854.4	[1.08]	12.67	1600.8	0.01
Geranyl isovalerate	12.22	1859.5	0.45	12.74	1606.3	0.44
10-epi-γ-Eudesmol	14.12	2035.0	0.06	12.79	1610.6	0.28
1-epi-Cubenol	13.74	1999.0	0.10	12.95	1623.9	0.12
γ-Eudesmol	14.86	2107.2	0.02	13.00	1627.8	0.06
Citronellyl valerate?	12.26	1863.5	0.02	13.07	1633.5	0.01
Cubenol	13.68	1992.7	0.16	13.13	1638.2	0.14
β-Eudesmol	15.36	2157.8	0.02	13.23	1646.6	0.34
α-Eudesmol	15.29	2150.4	0.05	13.27	1649.9	0.08
α-Cadinol	15.44	2165.8	0.09	13.32	1654.3	0.08
Geranyl valerate	13.21	1949.3	0.07	13.39	1660.4	0.09
Citronellyl tiglate	13.35	1962.3	0.36	13.49	1668.8	0.31
Citronellyl 4-methylvalerate				13.73	1688.4	0.09
3β,4β-Oxidoagarofuran?	16.02	2224.6	0.02	13.84	1697.5	0.08
Geranyl tiglate	14.40*	2062.2	[1.51]	13.92	1704.2	1.49
Geranyl 4-methylvalerate?	13.75	2000.0	0.20	14.12	1721.1	0.17
Citronellyl caproate	13.26	1954.3	0.05	14.15	1723.8	0.04
Geranyl caproate	14.24	2046.5	0.08	14.53	1757.3	0.09
Citronellyl heptanoate				15.25	1820.6	0.03
Phytone	14.69	2090.4	0.32	15.56	1848.6	0.03
Geranyl heptanoate	15.23	2144.6	0.06	15.62	1854.8	0.06
Citronellyl caprylate	15.25	2146.1	0.02	16.28	1914.9	0.04
Geranyl caprylate	15.70	2191.2	0.01	16.67	1952.4	0.06
Total reported		94.65%			96.20%	

*: 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

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