

Date : 2025-03-05

CERTIFICATE OF ANALYSIS - GC PROFILING

SAMPLE IDENTIFICATION

Internal code : 25A16-PTH01

Customer Identification : Organic German Chamomile - Egypt - CC1107R

Type : Essential Oil

Source : *Matricaria chamomilla*

Customer : Plant Therapy

Checked and 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Notes: This report may not be published, including online, without the written consent from Laboratoire PhytoChemia.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.

This report is an update from the first version issued on 2025-01-23 to correct the customer identification.

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

Date : 2025-01-23

PHYSICOCHEMICAL DATA

Refractive index : 1.5064 ± 0.0003 (20 °C)

Method : PC-MAT-016 - Measure of the refractive index of a liquid.

Analyst : Dany Massé B. Sc. Chimiste

Date : 2025-01-17

CONCLUSION

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

ANALYSIS SUMMARY - CONSOLIDATED CONTENTS

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

Identification	%	Class
Dimethylsulfide	tr	Aliphatic sulfide
Isobutyral	tr	Aliphatic aldehyde
3-Buten-2-one	0.01	Aliphatic ketone
Isovaleral	0.02	Aliphatic aldehyde
2-Methylbutyral	0.04	Aliphatic aldehyde
2-Vinylfuran	tr	Furan
Toluene	0.01	Simple phenolic
Methyl 2-methylbutyrate	tr	Aliphatic ester
Octene	tr	Alkene
Hexanal	0.01	Aliphatic aldehyde
Octane	0.01	Alkane
Unknown	0.01	Unknown
Ethyl 2-methylbutyrate	0.23	Aliphatic ester
Ethyl isovalerate	0.02	Aliphatic ester
(3Z)-Hexenol	tr	Aliphatic alcohol
(2E)-Hexenol	tr	Aliphatic alcohol
Hexanol	tr	Aliphatic alcohol
Nonene	tr	Alkene
Heptanal	tr	Aliphatic aldehyde
Santolinatriene	0.01	Monoterpene
α -Thujene	0.01	Monoterpene
α -Pinene	0.02	Monoterpene
Unknown	0.01	Monoterpene
Camphene	0.03	Monoterpene
Propyl 2-methylbutyrate	0.09	Aliphatic ester
Benzaldehyde	0.01	Simple phenolic
Sabinene	0.03	Monoterpene
β -Pinene	tr	Monoterpene
6-Methyl-5-hepten-2-one	0.07	Aliphatic ketone
2-Pentylfuran	0.06	Furan
Myrcene	0.02	Monoterpene
Unknown	0.01	Monoterpene
α -Phellandrene	0.01	Monoterpene
Octanal	0.01	Aliphatic aldehyde
Yomogi alcohol	0.05	Monoterpenic alcohol
α -Terpinene	0.01	Monoterpene
<i>para</i> -Cymene	0.12	Monoterpene
β -Phellandrene	tr	Monoterpene
Limonene	0.04	Monoterpene
1,8-Cineole	0.02	Monoterpenic ether

(Z)- β -Ocimene	0.06	Monoterpene
Seudenone?	0.02	Aliphatic ketone
(E)- β -Ocimene	0.34	Monoterpene
γ -Terpinene	0.15	Monoterpene
Artemisia ketone	0.42	Monoterpenic ketone
cis-Sabinene hydrate	0.01	Monoterpenic alcohol
cis-Linalool oxide (fur.)	0.01	Monoterpenic alcohol
Octanol	0.01	Aliphatic alcohol
Terpinolene	0.01	Monoterpene
Artemisia alcohol	0.13	Monoterpenic alcohol
trans-Sabinene hydrate	0.01	Monoterpenic alcohol
Linalool	0.03	Monoterpenic alcohol
Nonanal	0.05	Aliphatic aldehyde
Unknown	0.02	Oxygenated monoterpene
Camphor	0.01	Monoterpenic ketone
Borneol	0.09	Monoterpenic alcohol
Lavandulol	0.02	Monoterpenic alcohol
Artemisyl acetate	0.02	Monoterpenic ester
Nonanol	0.03	Aliphatic alcohol
Terpinen-4-ol	0.04	Monoterpenic alcohol
α -Terpineol	0.02	Monoterpenic alcohol
Creosol	0.01	Simple phenolic
Safranal	0.02	Monoterpenic aldehyde
Decanal	tr	Aliphatic aldehyde
(3Z)-Hexenyl isovalerate	0.03	Aliphatic ester
Carvone	0.04	Monoterpenic ketone
(2E)-Hexenyl isovalerate	0.02	Aliphatic ester
Hexyl isovalerate	0.02	Aliphatic ester
α -Ionene	0.01	Terpene derivative
(E)-4,8-Dimethylnona-3,8-dien-2-one	0.05	Terpenic ketone
Pelargonic acid	0.05	Aliphatic acid
Thymol	0.03	Monoterpenic alcohol
(2E,4E)-Decadienal	0.02	Aliphatic aldehyde
Bicycloelemene	0.03	Sesquiterpene
7 β H-Silphiperfol-5-ene	0.01	Sesquiterpene
α -Longipinene	0.02	Sesquiterpene
Dehydro-ar-ionene	0.02	Miscellaneous
α -Ylangene	0.01	Sesquiterpene
α -Copaene	0.03	Sesquiterpene
Modhephene	0.03	Sesquiterpene
α -Isocomene	0.06	Sesquiterpene
β -Elemene	0.08	Sesquiterpene
Capric acid	0.98	Aliphatic acid
β -Isocomene	0.02	Sesquiterpene
Isocaryophyllene	0.01	Sesquiterpene

α -Gurjunene	0.03	Sesquiterpene
β -Caryophyllene	0.10	Sesquiterpene
β -Copaene	0.03	Sesquiterpene
α -Maaliene	0.03	Sesquiterpene
Aromadendrene	0.09	Sesquiterpene
Unknown	0.01	Sesquiterpene
Striatene?	0.02	Sesquiterpene
α -Humulene	0.03	Sesquiterpene
allo-Aromadendrene	0.13	Sesquiterpene
(E)- β -Farnesene	16.12	Sesquiterpene
Dehydrosesquicineole	0.14	Sesquiterpenic ether
Precocene I	0.07	Chromane
γ -Muurolene	0.11	Sesquiterpene
Germacrene D	1.17	Sesquiterpene
β -Selinene	0.18	Sesquiterpene
ar-Curcumene	0.06	Sesquiterpene
α -Selinene	0.06	Sesquiterpene
epi-Cubebol	0.04	Sesquiterpenic alcohol
Viridiflorene	0.09	Sesquiterpene
Bicyclogermacrene	0.76	Sesquiterpene
α -Zingiberene	0.05	Sesquiterpene
(3Z,6E)- α -Farnesene	0.07	Sesquiterpene
α -Muurolene	0.07	Sesquiterpene
β -Bisabolene	0.06	Sesquiterpene
γ -Cadinene	0.25	Sesquiterpene
(3E,6E)- α -Farnesene	0.61	Sesquiterpene
3,6-Dihydrochamazulene	0.43	Azulene
Dihydrochamazulene isomer I	0.12	Azulene
δ -Cadinene	0.29	Sesquiterpene
β -Sesquiphellandrene	0.04	Sesquiterpene
(2Z?,8Z?)-Matricaria ester	0.03	Polyne ester
α -Cadinene	0.03	Sesquiterpene
(E)- α -Bisabolene	0.03	Sesquiterpene
Salviadienol?	0.03	Sesquiterpenic alcohol
Sesquirosefuran?	0.02	Sesquiterpenic ether
(E)-Nerolidol	0.08	Sesquiterpenic alcohol
Unknown MARE XVI [m/z 43, 93 (84), 120 (51), 81 (41), 79 (34)...]	0.12	Oxygenated sesquiterpene
Spathulenol	0.79	Sesquiterpenic alcohol
Caryophyllene oxide	0.02	Sesquiterpenic ether
Dendrolasin	0.15	Sesquiterpenic ether
Unknown	0.09	Oxygenated sesquiterpene
Globulol	0.05	Sesquiterpenic alcohol
Viridiflorol	0.12	Sesquiterpenic alcohol
Ledol	0.06	Sesquiterpenic alcohol

5,6-Dihydrochamazulene	0.24	Azulene
(2,7Z)-Bisaboladien-4-ol	0.19	Sesquiterpenic alcohol
τ -Cadinol	0.64	Sesquiterpenic alcohol
τ -Muurolool	0.06	Sesquiterpenic alcohol
Unknown	0.02	Unknown
α -Bisabolol oxide B, epimer 1	5.24	Sesquiterpenic alcohol
α -Bisabolol oxide B, epimer 2	0.10	Sesquiterpenic alcohol
epi- β -Bisabolol	0.08	Sesquiterpenic alcohol
β -Bisabolol	0.07	Sesquiterpenic alcohol
(E)-Bisabol-11-ol	0.03	Sesquiterpenic alcohol
Bisabolone oxide A	4.61	Sesquiterpenic ketone
α -Bisabolol	1.47	Sesquiterpenic alcohol
(2E,6Z)-Farnesol	0.06	Sesquiterpenic alcohol
Herniarin	0.03	Coumarin
Chamazulene	2.14	Azulene
α -Bisabolol oxide A	43.14	Sesquiterpenic alcohol
Benzyl benzoate	0.05	Phenolic ester
Bisabolol oxide, epimer II	0.18	Sesquiterpenic alcohol
Bisabolol oxide, epimer III	0.04	Sesquiterpenic alcohol
α -Costol?	0.16	Sesquiterpenic alcohol
Unknown	0.02	Oxygenated sesquiterpene
Phytone	0.31	Terpenic ketone
(Z)-Spiroether	4.45	Polyene
(E)-Spiroether	0.59	Polyene
(Z)-Tibetin spiroether	0.04	Polyene
Methyl palmitate	0.05	Aliphatic ester
(E)-Tibetin spiroether	0.14	Polyene
Palmitic acid	1.22	Aliphatic acid
Ethyl palmitate	0.01	Aliphatic ester
Eicosane	0.04	Alkane
Octadecanol	0.10	Aliphatic alcohol
Methyl linoleate	0.03	Aliphatic ester
Heneicosane	0.03	Alkane
Phytol	0.12	Diterpenic alcohol
Linoleic acid	0.32	Aliphatic acid
Oleic acid	0.28	Aliphatic acid
Docosane	0.03	Alkane
Tricosane	0.33	Alkane
Ageratochromene	0.14	Chromane
Tetracosane	0.12	Alkane
Pentacosane	0.80	Alkane
Hexacosane	0.16	Alkane
Heptacosane	0.17	Alkane
Unknown	0.02	Unknown
Unknown	0.04	Unknown

Unknown	0.01	Unknown
Consolidated total	95.06	

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

Note: no correction factor was applied

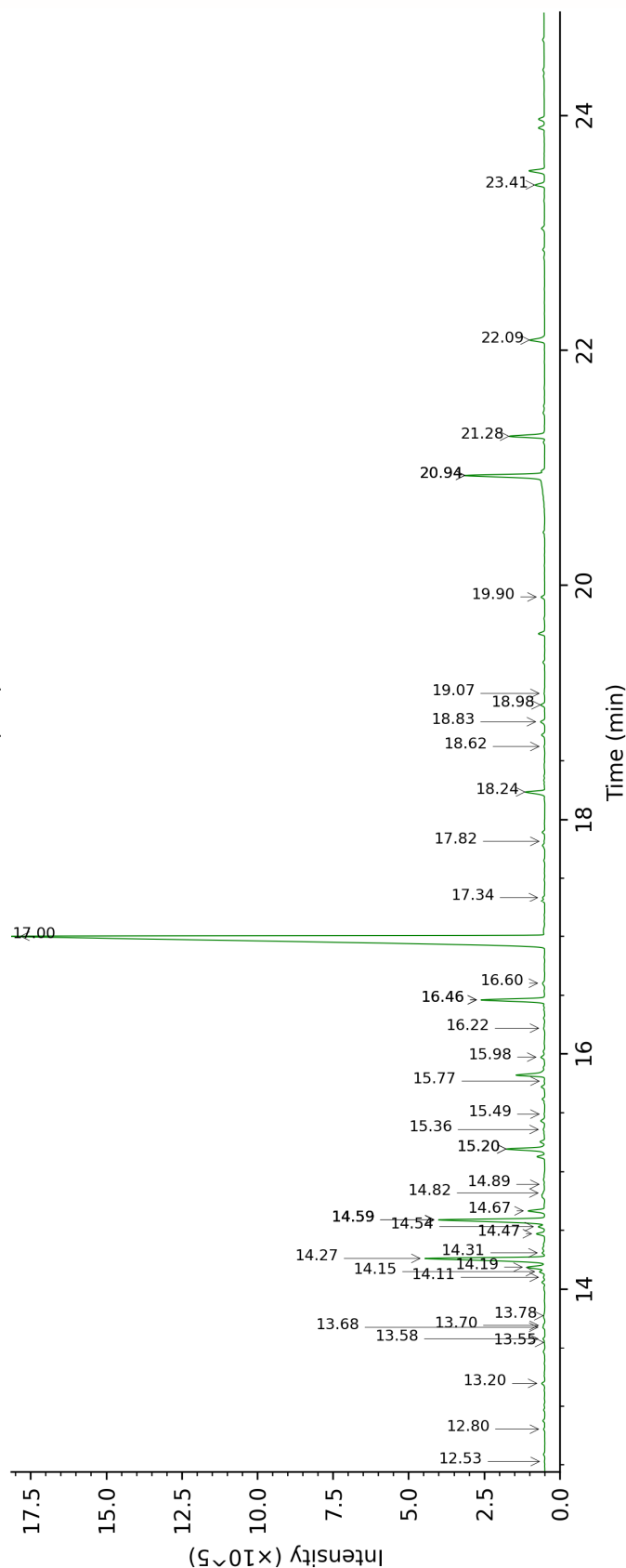
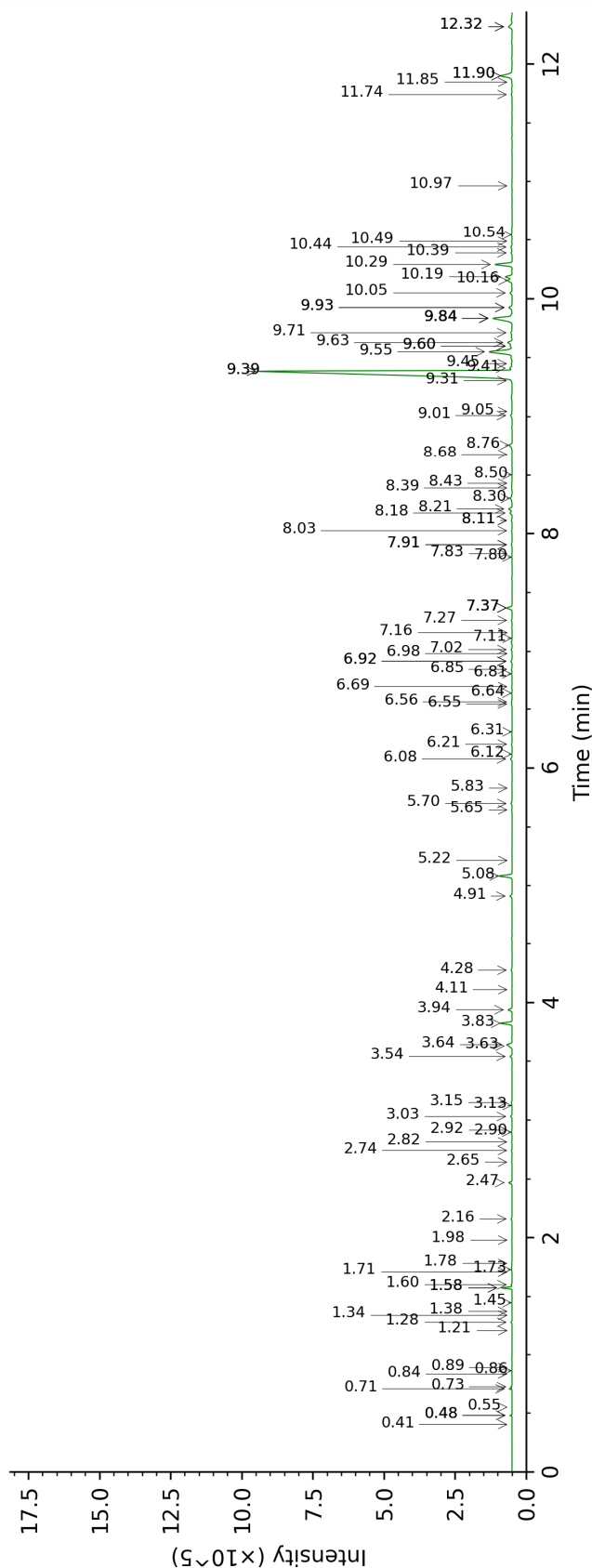
About "consolidated" data: The table above presents the breakdown of the sample volatile constituents after applying an algorithm to collapse data acquired from the multi-columns system of PhytoChemia into a single set of consolidated contents. In case of discrepancies between columns, the algorithm 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.

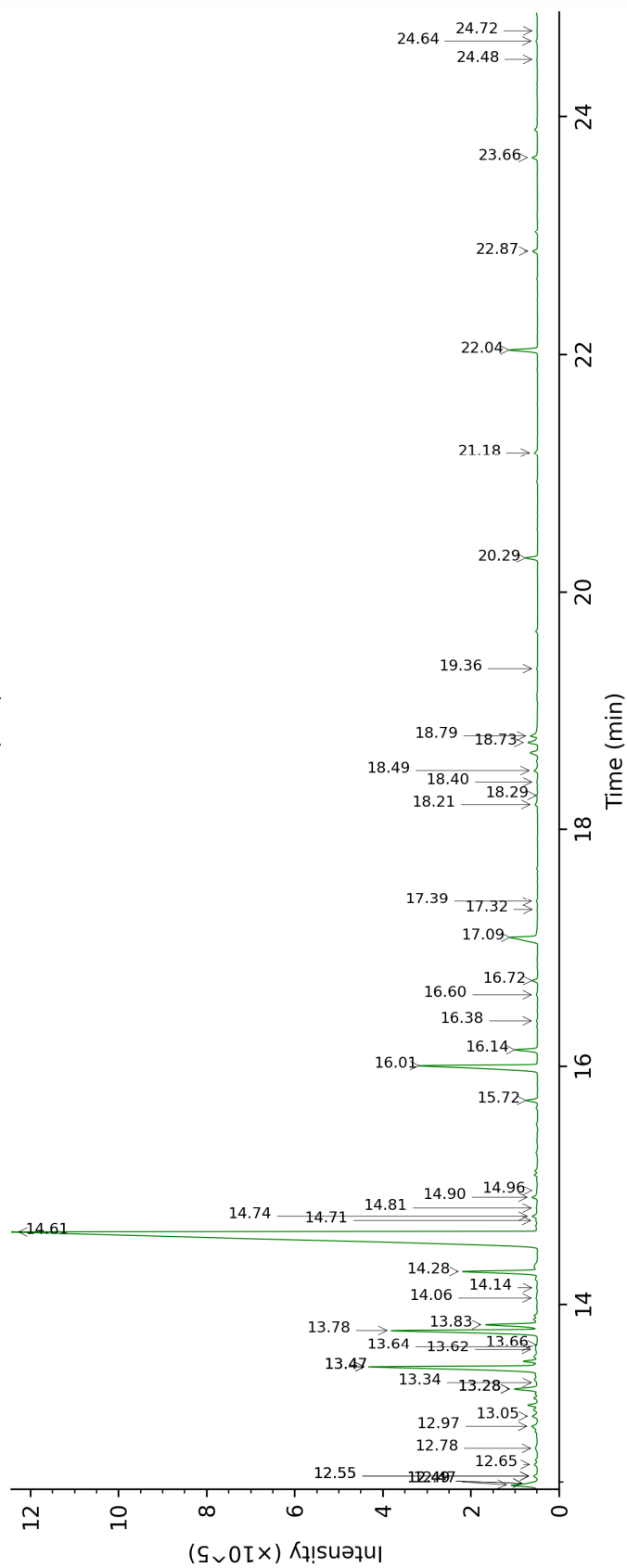
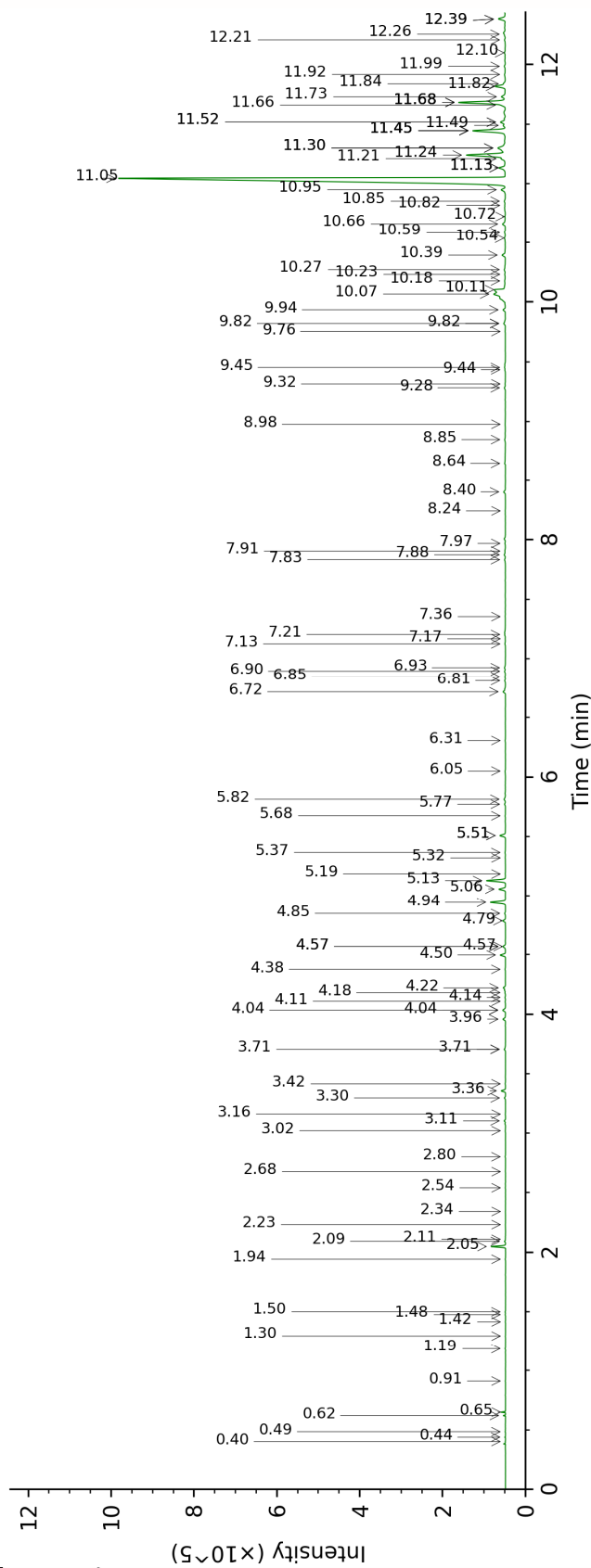
Bracketed value ([xx]): A bracketed percent value indicate that two or more compound percentage could not be solved due to coelution.

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DB-WAX



DB-5



FULL ANALYSIS DATA

Dimethylsulfide	Column DB-WAX			Column DB-5		
	0.41	711.9	tr	0.40	505.6	tr
Isobutylal	0.48*	783.9	[0.03]	0.44	536.8	tr
3-Buten-2-one	0.84	912.7	tr	0.49	575.8	0.01
Isovaleral	0.73	888.0	0.02	0.62	640.6	0.02
2-Methylbutylal	0.71	881.1	0.04	0.65	650.6	0.04
2-Vinylfuran	1.71	1037.1	tr	0.91	719.8	tr
Toluene	1.38	1003.0	0.01	1.19	758.8	0.01
Methyl 2-methylbutyrate	1.21	977.7	tr	1.30	774.4	tr
Octene	0.55	819.9	tr	1.42	791.5	tr
Hexanal	1.78	1044.6	0.01	1.48	800.2	0.01
Octane	0.48*	783.9	[0.03]	1.50	803.5	0.01
Unknown ROOF II [m/z 107, 91 (67), 79 (34), 122 (32), 105 (26), 77 (16)...]	0.89	922.0	tr	1.94	840.7	0.01
Ethyl 2-methylbutyrate	1.58*	1023.4	[0.24]	2.05	849.6	0.23
Ethyl isovalerate	1.73	1039.2	0.02	2.09	853.3	0.02
(3Z)-Hexenol	5.65	1352.7	0.01	2.11	854.7	tr
(2E)-Hexenol	5.83	1366.0	tr	2.23	865.0	tr
Hexanol	5.22	1321.9	tr	2.34	874.2	tr
Nonene	0.86	917.4	tr	2.54	890.9	tr
Heptanal	2.92	1147.1	tr	2.68	902.2	tr
Santolinatriene	1.45	1010.5	0.01	2.80	910.9	0.01
α-Thujene	1.34	999.6	tr	3.02	925.4	0.01
α-Pinene	1.28	990.0	0.03	3.11	931.0	0.02
Unknown BODA VII [m/z 93, 91 (50), 92 (37), 79 (36), 77 (35), 121 (19)... 136 (t)]	1.58*	1023.4	[0.24]	3.16	934.7	0.01
Camphene	1.60	1026.1	0.03	3.30	943.8	0.03
Propyl 2-methylbutyrate	2.47	1111.5	0.09	3.36	947.7	0.09
Benzaldehyde	7.11	1459.7	0.01	3.42	951.6	0.01
Sabinene	2.16	1083.3	0.03	3.71*	970.9	[0.04]
β-Pinene	1.98	1064.9	tr	3.71*	970.9	[0.04]
6-Methyl-5-hepten-2-one	4.91	1299.1	0.07	3.96	987.7	0.07
2-Pentylfuran	3.54	1197.2	0.06	4.04*	992.8	[0.08]
Myrcene	2.74	1133.3	0.02	4.04*	992.8	[0.08]
Unknown ACMI II [m/z 93, 91 (46), 80	2.90	1145.8	0.02	4.11	997.7	0.01

(44), 79 (42), 77 (33), 92 (20)... 136 (4)]						
α -Phellandrene	2.64	1125.4	0.01	4.14	999.9	0.01
Octanal	4.28	1251.8	0.03	4.18	1002.6	0.01
Yomogi alcohol	6.08	1383.7	0.05	4.22	1005.2	0.05
α -Terpinene	2.82	1139.1	0.01	4.38	1014.9	0.01
<i>para</i> -Cymene	3.94	1226.8	0.12	4.50	1022.5	0.12
β -Phellandrene	3.13	1163.9	tr	4.57*	1026.9	[0.07]
Limonene	3.03	1156.4	0.04	4.57*	1026.9	[0.07]
1,8-Cineole	3.15	1165.8	0.02	4.57*	1026.9	[0.07]
(Z)- β -Ocimene	3.63	1204.0	0.06	4.79	1040.6	0.06
Seudenone?	8.11*	1535.4	[0.03]	4.85	1044.4	0.02
(E)- β -Ocimene	3.83	1218.4	0.34	4.94	1050.4	0.34
γ -Terpinene	3.64	1204.9	0.17	5.06	1057.6	0.15
Artemisia ketone	5.08	1312.4	0.42	5.13	1062.2	0.42
<i>cis</i> -Sabinene hydrate	6.64	1424.6	0.01	5.19	1065.6	0.01
<i>cis</i> -Linalool oxide (fur.)	6.31	1400.3	0.01	5.32	1074.2	0.01
Octanol	8.03	1528.7	0.03	5.37	1077.0	0.01
Terpinolene	4.11	1239.5	0.01	5.51*	1085.9	[0.14]
Artemisia alcohol	7.37*	1478.8	[0.19]	5.51*	1085.9	[0.14]
<i>trans</i> -Sabinene hydrate	7.80	1511.2	0.01	5.68	1096.3	0.01
Linalool	7.91*	1519.4	[0.04]	5.77	1102.5	0.03
Nonanal	5.70	1356.6	0.04	5.82	1105.1	0.05
Unknown ARAN IV [m/z 43, 81 (62), 59 (60), 85 (49), 82 (38)... 154 (2)]				6.05	1120.2	0.02
Camphor	6.98	1450.1	0.01	6.31	1136.6	0.01
Borneol	9.60*	1652.9	[0.07]	6.72	1162.9	0.09
Lavandulol	9.45	1640.8	0.03	6.81	1168.9	0.02
Artemisyl acetate	6.20	1392.7	0.02	6.85	1171.1	0.02
Nonanol	9.31	1629.2	0.02	6.90	1174.2	0.03
Terpinen-4-ol	8.39	1556.8	0.03	6.93	1176.2	0.04
α -Terpineol	9.60*	1652.9	[0.07]	7.13	1189.0	0.02
Creosol	12.32*	1885.4	[0.18]	7.17	1191.8	0.01
Safranal	8.68	1579.2	0.01	7.21	1194.1	0.02
Decanal	7.16	1463.2	tr	7.36	1203.7	tr
(3Z)-Hexenyl isovalerate	6.92*	1445.2	[0.05]	7.84	1235.7	0.03
Carvone	9.84*	1672.0	[0.98]	7.88	1238.5	0.04
(2E)-Hexenyl isovalerate	7.02	1452.6	0.04	7.91	1240.5	0.02
Hexyl isovalerate	6.55	1417.7	0.02	7.97	1244.8	0.02

α -Ionene	6.69	1428.7	0.02	8.24	1263.1	0.01
(E)-4,8-Dimethylnona-3,8-dien-2-one	9.01	1605.2	0.07	8.40	1273.9	0.05
Pelargonic acid				8.64	1289.8	0.05
Thymol	14.90	2130.5	0.04	8.85	1303.7	0.03
(2E,4E)-Decadienal	10.97	1766.6	0.02	8.98	1312.8	0.02
Bicycloelemene	6.85	1440.2	0.03	9.28	1334.3	0.03
7 β H-Silphiperfol-5-ene	6.12	1386.7	0.01	9.32	1336.6	0.01
α -Longipinene	6.56	1419.0	0.03	9.44	1344.9	0.02
Dehydro-ar-ionene				9.45	1346.3	0.02
α -Ylangene	6.81	1437.3	0.02	9.76	1367.5	0.01
α -Copaene	6.92*	1445.2	[0.05]	9.82*	1372.3	[0.06]
Modhephene	7.27	1471.0	0.03	9.82*	1372.3	[0.06]
α -Isocomene	7.37*	1478.8	[0.19]	9.94	1380.3	0.06
β -Elemene	8.18	1540.3	0.08	10.07*†	1389.6	[0.47]
Capric acid				10.10*†	1392.2	[0.40]
β -Isocomene	7.83	1513.6	0.01	10.18	1397.4	0.02
Isocaryophyllene	7.91*	1519.4	[0.04]	10.23	1401.3	0.01
α -Gurjunene	7.37*	1478.8	[0.19]	10.27	1404.1	0.03
β -Caryophyllene	8.21	1543.0	0.13	10.40	1413.2	0.10
β -Copaene	8.11*	1535.4	[0.03]	10.54	1423.8	0.03
α -Maaliene	8.43	1559.9	0.02	10.59	1427.4	0.03
Aromadendrene	8.30	1550.0	0.08	10.66	1433.1	0.09
Unknown BUSA XV [m/z 105, 93 (97), 108 (88), 161 (79), 147 (78), 107 (78), 91 (73), 121 (72)... 204 (43)]	8.50	1565.5	0.01	10.72	1437.7	0.01
Striatene?				10.82	1444.7	0.02
α -Humulene	9.05	1608.0	0.02	10.85	1447.4	0.03
allo-Aromadendrene	8.76	1585.4	0.13	10.95	1454.5	0.13
(E)- β -Farnesene	9.39*	1635.6	[15.84]	11.05	1461.7	16.12
Dehydrosesquiceneole	9.84*	1672.0	[0.98]	11.14*	1468.3	[0.21]
Precocene I	13.68	2011.8	0.07	11.14*	1468.3	[0.21]
γ -Murolene	9.39*	1635.6	[15.84]	11.21	1474.0	0.11
Germacrene D	9.55	1649.0	1.14	11.24	1476.3	1.17
β -Selinene	9.63	1655.4	0.18	11.30*	1480.7	[0.38]
ar-Curcumene	10.44	1721.9	0.06	11.30*	1480.7	[0.38]
α -Selinene	9.71	1662.0	0.06	11.45*	1491.6	[0.95]
epi-Cubebol	11.74	1834.1	0.04	11.45*	1491.6	[0.95]
Viridiflorene	9.41	1637.7	0.09	11.45*	1491.6	[0.95]
Bicyclgermacrene	9.84*	1672.0	[0.98]	11.45*	1491.6	[0.95]
α -Zingiberene	9.93*	1679.3	[0.12]	11.49	1494.8	0.05
(3Z,6E)- α -Farnesene	10.05	1689.4	0.07	11.52*	1496.9	[0.14]

α -Muuroleone	9.84*	1672.0	[0.98]	11.52*	1496.9	[0.14]
β -Bisabolene	9.93*	1679.3	[0.12]	11.66	1507.8	0.06
γ -Cadinene	10.19	1700.5	0.25	11.68*	1509.5	[1.27]
(3E,6E)- α -Farnesene	10.29	1709.4	0.61	11.68*	1509.5	[1.27]
3,6-Dihydrochamazulene	11.90*	1848.3	[0.55]	11.68*	1509.5	[1.27]
Dihydrochamazulene isomer I	11.90*	1848.3	[0.55]	11.73	1513.3	0.12
δ -Cadinene	10.16	1697.9	0.18	11.82	1520.1	0.29
β -Sesquiphellandrene	10.39	1717.7	0.04	11.84	1521.8	0.04
(2Z?,8Z?)-Matricaria ester	15.98	2241.0	0.19	11.92	1527.9	0.03
α -Cadinene	10.54	1730.8	0.03	11.99	1533.3	0.03
(E)- α -Bisabolene	10.49	1726.2	0.02	12.10	1542.3	0.03
Salviadienol?	14.10	2052.8	0.06	12.21	1550.8	0.03
Sesquirosefuran?	11.85	1843.5	0.02	12.26	1554.5	0.02
(E)-Nerolidol	13.58	2002.3	0.08	12.39*	1564.6	[0.20]
Unknown MARE XVI [m/z 43, 93 (84), 120 (51), 81 (41), 79 (34)...]				12.39*	1564.6	[0.20]
Spathulenol	14.19	2061.1	0.72	12.48	1571.6	0.79
Caryophyllene oxide	12.53	1904.5	0.02	12.49*	1572.7	[0.17]
Dendrolasin	12.32*	1885.4	[0.18]	12.49*	1572.7	[0.17]
Unknown HEBR VI [m/z 109, 43 (95), 81 (81), 93 (76), 69 (75), 95 (74), 107 (71)... 204 (22), 220 (6)]				12.55*	1577.6	[0.14]
Globulol	13.70	2013.3	0.05	12.55*	1577.6	[0.14]
Viridiflorol	13.78	2021.3	0.10	12.65	1585.3	0.12
Ledol	13.20	1966.1	0.13	12.78	1595.9	0.06
5,6-Dihydrochamazulene	14.15	2057.4	0.21	12.97	1610.8	0.24
(2,7Z)-Bisaboladien-4-ol	14.54	2094.4	0.24	13.06	1617.9	0.19
τ -Cadinol	14.67	2107.8	0.64	13.28*	1636.8	[0.71]
τ -Muurolol	14.82	2123.1	0.06	13.28*	1636.8	[0.71]
Unknown LYUN IV [m/z 123, 43 (86), 81 (75), 95 (73), 82 (68), 161 (64), 105 (63)... 220 (6)]	12.80	1930.0	0.05	13.34	1641.2	0.02
α -Bisabolol oxide B, epimer 1	14.26	2068.3	5.24	13.47*	1652.1	[5.86]
α -Bisabolol oxide B,	14.31	2072.9	0.10	13.47*	1652.1	[5.86]

epimer 2						
epi-β-Bisabolol	14.59*	2100.2	[4.50]	13.62	1664.2	0.08
β-Bisabolol	14.59*	2100.2	[4.50]	13.64	1666.1	0.07
(E)-Bisabol-11-ol	15.20*	2160.8	[1.49]	13.66	1668.0	0.03
Bisabolone oxide A	14.59*	2100.2	[4.50]	13.78	1677.9	4.61
α-Bisabolol	15.20*	2160.8	[1.49]	13.83	1682.0	1.47
(2E,6Z)-Farnesol	16.22	2266.8	0.06	14.06	1700.5	0.06
Herniarin	20.94*	2815.7	[4.23]	14.14	1707.8	0.03
Chamazulene	16.46*	2292.0	[2.45]	14.28	1719.7	2.14
α-Bisabolol oxide A	17.00	2350.7	42.00	14.61	1748.5	43.14
Benzyl benzoate	18.62	2533.5	0.04	14.71	1756.9	0.05
Bisabolol oxide, epimer II				14.74	1760.0	0.18
Bisabolol oxide, epimer III				14.81	1765.9	0.04
α-Costol?				14.90	1773.8	0.16
Unknown MOPE III [m/z 94, 109 (54), 43 (53), 69 (48), 79 (40)...]	19.08	2586.0	0.03	14.96	1778.7	0.02
Phytone	14.48	2088.6	0.34	15.72	1846.4	0.31
(Z)-Spiroether	20.94*	2815.7	[4.23]	16.01	1873.0	4.45
(E)-Spiroether	22.09	2967.2	0.67	16.14	1885.1	0.59
(Z)-Tibetin spiroether				16.38	1907.4	0.04
Methyl palmitate	15.36	2177.4	0.09	16.60	1928.2	0.05
(E)-Tibetin spiroether				16.72	1939.6	0.14
Palmitic acid	21.28	2859.7	1.38	17.08	1974.0	1.22
Ethyl palmitate	15.77	2219.7	0.02	17.32	1996.4	0.01
Eicosane	13.55	1999.3	0.02	17.39	2003.1	0.04
Octadecanol	18.83	2558.0	0.19	18.21	2084.3	0.10
Methyl linoleate	17.82	2441.1	0.03	18.28	2091.9	0.03
Heneicosane	14.59*	2100.2	[4.50]	18.40	2103.1	0.03
Phytol	18.98	2574.7	0.16	18.49	2113.0	0.12
Linoleic acid				18.73	2137.5	0.32
Oleic acid	23.41	3149.5	0.38	18.78	2143.2	0.28
Docosane	15.49	2190.5	0.03	19.36	2202.7	0.03
Tricosane	16.46*	2292.0	[2.45]	20.29	2303.0	0.33
Ageratochromene	16.60	2307.3	0.14			
Tetracosane	17.34	2387.2	0.08	21.18	2402.7	0.12
Pentacosane	18.24	2488.6	0.79	22.04	2503.2	0.80
Hexacosane				22.87	2603.4	0.16
Heptacosane	19.90	2685.9	0.15	23.66	2702.6	0.17
Unknown MARE V [m/z 69, 41 (41), 81 (41), 91 (22), 165 (22), 136 (20)...]				24.48	2809.5	0.02

Unknown MARE VI [m/z 69, 41 (46), 81 (31), 165 (29), 91 (20), 181 (18), 167 (15)...]				24.64	2830.2	0.04
Unknown MARE VII [m/z 69, 41 (42), 81 (31), 165 (25), 91 (18), 93 (15), 181 (15)...]				24.72	2841.7	0.01
Total reported	91.13%			95.59%		

*: 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