

Date : 2025-10-03

CERTIFICATE OF ANALYSIS - GC PROFILING

SAMPLE IDENTIFICATION

Internal code : 25I15-PTH01

Customer Identification : Geranium Bourbon - Madagascar - G20111R

Type : Essential Oil

Source : *Pelargonium graveolens* ct. Madagascar

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Notes: This report may not be published, including online, without the written consent from Laboratoire PhytoChemia.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 2025-09-17 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 : Jean-Christophe Fortin, M. Sc.

Date : 2025-09-17

PHYSICOCHEMICAL DATA

Refractive index : 1.4663 ± 0.0003 (20 °C)

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

Analyst : Kassandra Baker

Date : 2025-09-16

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
Isovaleral	tr	Aliphatic aldehyde
2-Methylbutyral	0.01	Aliphatic aldehyde
Isoamyl alcohol	0.01	Aliphatic alcohol
Toluene	0.01	Simple phenolic
Isoamyl formate	0.01	Aliphatic ester
Unknown	0.03	Unknown
3-Methylpentanol	0.03	Aliphatic alcohol
Unknown	0.02	Unknown
(3Z)-Hexenol	0.02	Aliphatic alcohol
Hexanol	0.01	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	0.51	Monoterpene
Unknown	0.01	Simple phenolic
Geranic oxide	0.04	Monoterpenic ether
β -Pinene	0.05	Monoterpene
Sabinene	0.01	Monoterpene
Octen-3-ol	0.02	Aliphatic alcohol
6-Methyl-5-hepten-2-one	0.07	Aliphatic ketone
Myrcene	0.15	Monoterpene
<i>trans</i> -Dehydroxylinalool oxide	0.04	Monoterpenic ether
6-Methyl-5-hepten-2-ol	0.01	Aliphatic alcohol
<i>cis</i> -Dehydroxylinalool oxide	0.01	Monoterpenic ether
α -Phellandrene	0.06	Monoterpene
Δ^3 -Carene	0.03	Monoterpene
α -Terpinene	0.01	Monoterpene
<i>para</i> -Cymene	0.10	Monoterpene
Unknown	0.03	Unknown
Limonene	0.17	Monoterpene
1,8-Cineole	0.10	Monoterpenic ether
β -Phellandrene	0.06	Monoterpene
Unknown	0.02	Unknown
Benzeneacetaldehyde	0.01	Simple phenolic
(Z)- β -Ocimene	0.13	Monoterpene
(E)- β -Ocimene	0.12	Monoterpene
Unknown	0.01	Unknown
γ -Terpinene	0.01	Monoterpene

Unknown	0.01	Oxygenated monoterpene
<i>cis</i> -Linalool oxide (fur.)	0.16	Monoterpenic alcohol
Octanol	0.01	Aliphatic alcohol
Fenchone	0.01	Monoterpenic ketone
<i>trans</i> -Linalool oxide (fur.)	0.08	Monoterpenic alcohol
Terpinolene	0.04	Monoterpene
Rosefuran	0.03	Monoterpenic ether
Linalool	4.38	Monoterpenic alcohol
(<i>Z</i>)-6-Methyl-3,5-heptadien-2-one	0.05	Aliphatic ketone
<i>cis</i> -Rose oxide	1.05	Monoterpenic ether
Phenylethyl alcohol	0.02	Simple phenolic
<i>trans</i> -Rose oxide	0.43	Monoterpenic ether
Unknown	0.03	Unknown
Unknown	0.19	Oxygenated normonoterpene
Menthone	2.61	Monoterpenic ketone
iso-Isopulegol	0.12	Monoterpenic alcohol
Citronellal	0.38	Monoterpenic aldehyde
Isomenthone	5.16	Monoterpenic ketone
neo-Menthol	0.02	Monoterpenic alcohol
Isoneral	0.04	Monoterpenic aldehyde
Terpinen-4-ol	0.04	Monoterpenic alcohol
Menthol	0.03	Monoterpenic alcohol
Isomenthol	0.11	Monoterpenic alcohol
<i>para</i> -Cymen-8-ol	0.03	Monoterpenic alcohol
α -Terpineol	0.32	Monoterpenic alcohol
Myrtenol	0.04	Monoterpenic alcohol
Unknown	0.02	Oxygenated monoterpene
Nerol	0.48	Monoterpenic alcohol
Citronellol	22.07	Monoterpenic alcohol
Neral	0.57	Monoterpenic aldehyde
Piperitone	0.03	Monoterpenic ketone
Geraniol	14.09	Monoterpenic alcohol
Geranial	0.83	Monoterpenic aldehyde
Citronellyl formate	9.85	Monoterpenic ester
Neryl formate	0.29	Monoterpenic ester
Geranyl formate	5.67	Monoterpenic ester
(3 <i>Z</i>)-Hexenyl tiglate	0.02	Aliphatic ester
Methyl geranate	0.03	Monoterpenic ester
Citronellic acid	0.04	Monoterpenic acid
Unknown	0.10	Sesquiterpene
α -Cubebene	0.07	Sesquiterpene
Citronellyl acetate	0.30	Monoterpenic ester
Geranic acid	0.10	Aliphatic acid
Neryl acetate	0.09	Monoterpenic ester
α -Ylangene	0.02	Sesquiterpene

α -Copaene	0.35	Sesquiterpene
β -Bourbonene	1.10	Sesquiterpene
1,5-diepi- β -Bourbonene	0.07	Sesquiterpene
Geranyl acetate	0.37	Monoterpenic ester
β -Elemene	0.13	Sesquiterpene
Phenylethyl isobutyrate	0.11	Phenolic ester
α -Gurjunene	0.03	Sesquiterpene
β -Caryophyllene	1.13	Sesquiterpene
β -Copaene	0.12	Sesquiterpene
Heptyl tiglate	0.02	Aliphatic ester
α -Guaiene	[0.67]	Sesquiterpene
<i>trans</i> - α -Bergamotene	[0.67]	Sesquiterpene
6,9-Guaiadiene	6.50	Sesquiterpene
Unknown	0.37	Sesquiterpene
Citronellyl propionate	0.44	Monoterpenic ester
α -Humulene	0.25	Sesquiterpene
allo-Aromadendrene	0.18	Sesquiterpene
<i>trans</i> -Cadina-1(6),4-diene	0.12	Sesquiterpene
γ -Murolene	0.07	Sesquiterpene
α -Amorphene	0.11	Sesquiterpene
Geranyl propionate	0.89	Monoterpenic ester
Germacrene D	0.76	Sesquiterpene
β -Selinene	0.20	Sesquiterpene
Phenylethyl isovalerate	0.11	Phenolic ester
γ -Amorphene	0.18	Sesquiterpene
Bicyclogermacrene	0.07	Sesquiterpene
Viridiflorene	0.07	Sesquiterpene
4-epi- <i>cis</i> -Dihydroagarofuran	0.10	Sesquiterpenic ether
α -Murolene	0.14	Sesquiterpene
γ -Cadinene	0.28	Sesquiterpene
Geranyl isobutyrate	0.36	Monoterpenic ester
<i>trans</i> -Calamenene	0.16	Sesquiterpene
δ -Cadinene	0.66	Sesquiterpene
Citronellyl butyrate	0.55	Monoterpenic ester
Phenylethyl angelate?	0.04	Phenolic ester
α -Agarofuran	0.18	Sesquiterpenic ether
α -Calacorene	0.15	Sesquiterpene
Furopolargone isomer	0.11	Sesquiterpenic ketone
1-nor-Bourbonanone	0.02	Norsesquiterpenic ketone
Geranyl butyrate	1.05	Monoterpenic ester
Spathulenol	0.02	Sesquiterpenic alcohol
Caryophyllene oxide isomer	0.01	Sesquiterpenic ether
Caryophyllene oxide	0.32	Sesquiterpenic ether
Globulol	0.03	Sesquiterpenic alcohol
Furopolargone A	0.58	Sesquiterpenic ketone

Phenylethyl tiglate	0.54	Phenolic ester
Geranyl 2-methylbutyrate?	0.05	Monoterpenic ester
Geranyl isovalerate	0.39	Monoterpenic ester
1,10-diepi-Cubenol	0.18	Sesquiterpenic alcohol
10-epi- γ -Eudesmol	0.07	Sesquiterpenic alcohol
1-epi-Cubenol	0.12	Sesquiterpenic alcohol
γ -Eudesmol	0.06	Sesquiterpenic alcohol
Unknown	0.02	Oxygenated sesquiterpene
Citronellyl valerate?	0.01	Monoterpenic ester
Cubenol	0.10	Sesquiterpenic alcohol
τ -Muurolool	0.04	Sesquiterpenic alcohol
β -Eudesmol	0.08	Sesquiterpenic alcohol
α -Eudesmol	0.07	Sesquiterpenic alcohol
α -Cadinol	0.09	Sesquiterpenic alcohol
cis-Calamenen-10-ol	0.07	Sesquiterpenic alcohol
Valerianol	0.02	Sesquiterpenic alcohol
Geranyl valerate	0.09	Monoterpenic ester
Citronellyl tiglate	0.34	Monoterpenic ester
Citronellyl 4-methylvalerate	0.10	Monoterpenic ester
3 β ,4 β -Oxidoagarofuran?	0.08	Sesquiterpenic ether
Geranyl tiglate	1.48	Monoterpenic ester
Geranyl 4-methylvalerate?	0.17	Monoterpenic ester
Citronellyl caproate	0.04	Monoterpenic ester
Geranyl caproate	0.09	Monoterpenic ester
Citronellyl heptanoate	0.04	Monoterpenic ester
Phytone	0.02	Terpenic ketone
Geranyl heptanoate	0.05	Monoterpenic ester
Citronellyl caprylate	0.04	Monoterpenic ester
Unknown	0.35	Unknown
Unknown	0.46	Unknown
Unknown	0.01	Unknown
Unknown	0.15	Unknown
Consolidated total	96.71	

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

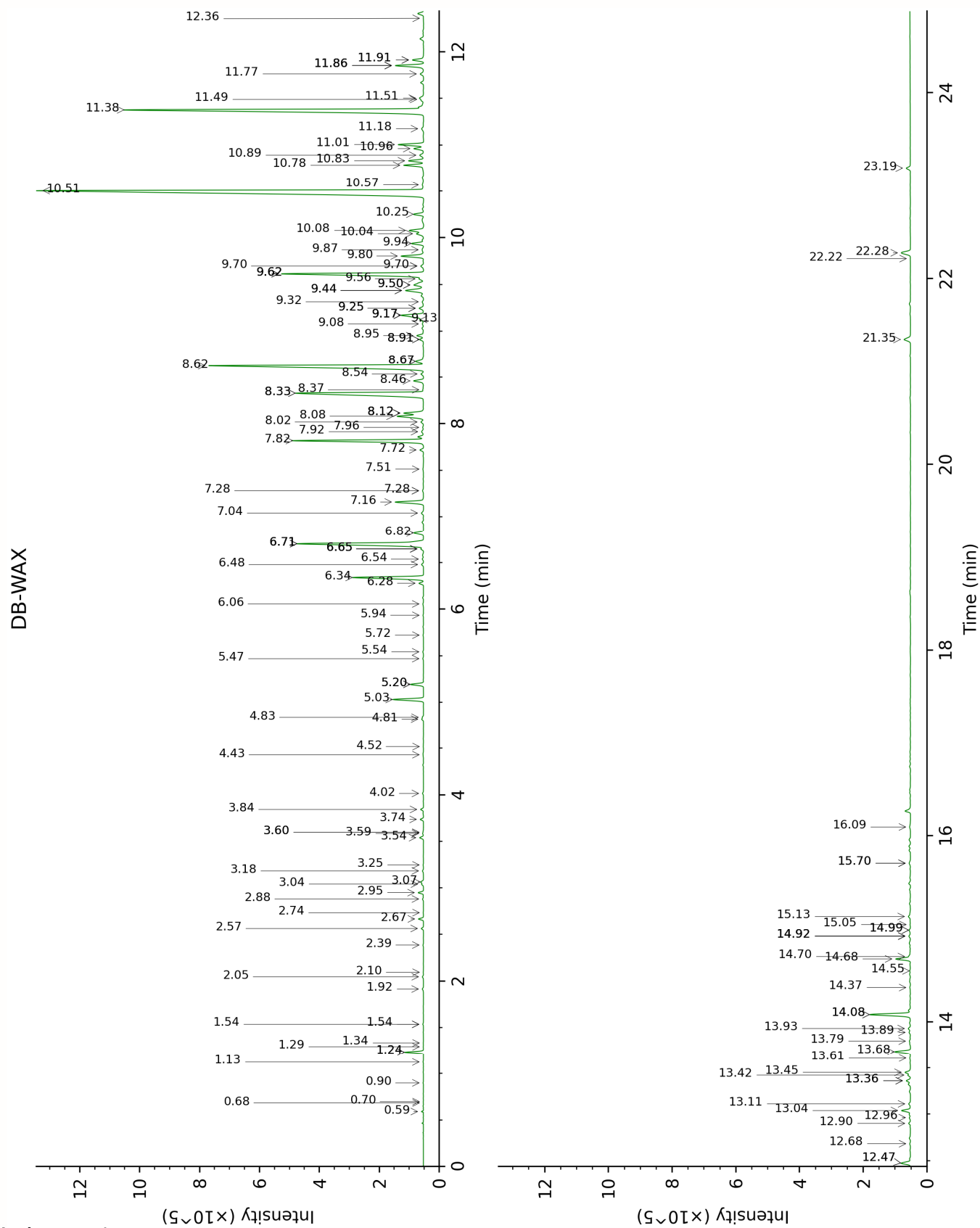
Note: no correction factor was applied

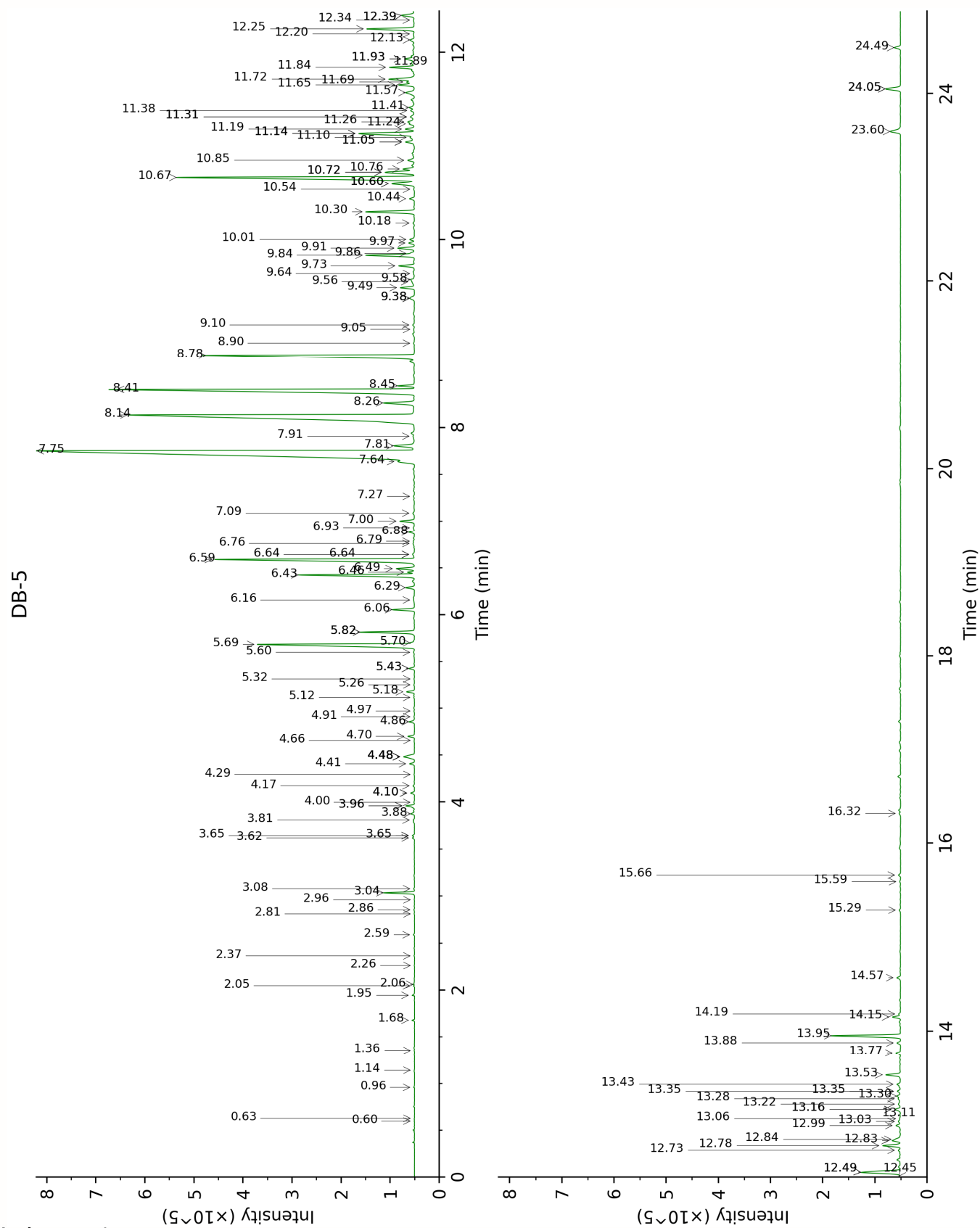
About "consolidated" data: The table above presents the breakdown of the sample volatile constituents after applying an algorithm to collapse data acquired from the multi-columns system of PhytoChemia into a single set of consolidated contents. In case of discrepancies between columns, the algorithm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

Isovaleral	Column DB-WAX			Column DB-5		
	0.70	886.1	tr	0.60	642.3	tr
2-Methylbutyral	0.68	880.4	tr	0.63	652.8	0.01
Isoamyl alcohol	3.25	1179.4	0.01	0.96	732.1	0.01
Toluene	1.34	1003.6	0.01	1.14	758.4	0.01
Isoamyl formate	1.54*	1024.4	[0.02]	1.36	789.3	0.01
Unknown PEGR III [m/z 81, 69 (80), 41 (65), 83 (52), 109 (48), 55 (47)...]	0.59	843.4	0.03	1.68	822.9	0.03
3-Methylpentanol	4.83	1299.5	0.03	1.95	845.3	0.03
Unknown PRME II [m/z 109, 43 (28), 124 (28), 41 (14), 55 (11), 79 (9), 81 (8)...]	1.54*	1024.4	[0.02]	2.05	853.8	0.02
(3Z)-Hexenol	5.54	1349.4	0.03	2.06	855.0	0.02
Hexanol	5.20*	1324.1	[0.44]	2.26	871.9	0.01
3-Acetyl-3-methylcyclopentene	0.90	929.6	0.01	2.36	880.6	0.01
3-Methylpentyl formate?	2.88	1149.8	0.03	2.59	899.6	0.02
Hashishene	1.24*	988.7	[0.51]	2.81	915.3	0.01
Tricyclene	1.13	969.3	0.01	2.86	918.3	0.01
α -Thujene	1.30	999.2	0.01	2.96	925.4	0.01
α -Pinene	1.24*	988.7	[0.51]	3.04	930.4	0.51
Unknown ACMI I [m/z 122, 121 (36), 107 (33), 79 (27), 93 (25), 77 (25), 43 (20)]	3.60*	1207.2	[0.01]	3.08	933.2	0.01
Geranic oxide	2.05	1077.5	0.04	3.62	969.5	0.04
β -Pinene	1.92	1063.7	0.05	3.64*	971.1	[0.04]
Sabinene	2.10	1082.5	0.01	3.64*	971.1	[0.04]
Octen-3-ol	6.54	1422.2	0.05	3.81	982.2	0.02
6-Methyl-5-hepten-2-one	4.81	1298.0	0.06	3.88	986.7	0.07
Myrcene	2.67	1132.5	0.15	3.96*	992.4	[0.19]
trans-Dehydroxylinalool oxide	3.18	1174.2	0.04	3.96*	992.4	[0.19]
6-Methyl-5-hepten-2-ol	6.65*	1430.5	[0.08]	4.00	994.9	0.01
cis-Dehydroxylinalool oxide	3.60*	1207.2	[0.01]	4.10*	1001.5	[0.08]
α -Phellandrene	2.57	1124.3	0.06	4.10*	1001.5	[0.08]

Δ^3 -Carene	2.39	1110.0	0.02	4.18	1006.6	0.03
α -Terpinene	2.74	1138.0	0.01	4.30	1014.2	0.01
<i>para</i> -Cymene	3.84	1225.5	0.09	4.41	1021.4	0.10
Unknown COCI XLIV [m/z 59, 43 (12), 109 (11), 41 (10), 127 (8)...]	6.06	1386.7	0.03	4.48*	1026.2	[0.37]
Limonene	2.95	1155.3	0.17	4.48*	1026.2	[0.37]
1,8-Cineole	3.07	1164.6	0.10	4.48*	1026.2	[0.37]
β -Phellandrene	3.04	1162.8	0.06	4.48*	1026.2	[0.37]
Unknown COCI XLIII [m/z 59, 43 (11), 109 (10), 41 (10), 127 (8)...]	5.94	1377.8	0.02	4.48*	1026.2	[0.37]
Benzeneacetaldehyde	8.54	1574.5	0.09	4.66	1037.2	0.01
(Z)- β -Ocimene	3.54	1203.0	0.13	4.70	1039.9	0.13
(E)- β -Ocimene	3.74	1217.6	0.10	4.86	1049.8	0.12
Unknown COCI V [m/z 125, 69 (75), 41 (34), 55 (25), 93 (22)... 140 (3)]	4.43	1269.4	0.01	4.91	1053.2	0.01
γ -Terpinene	3.59	1206.4	0.03	4.97	1057.1	0.01
Unknown PIMA I [m/z 79, 93 (60), 43 (40), 94 (35), 137 (33), 77 (26), 91 (20), 152 (18)]	4.52	1275.9	0.01	5.12	1066.7	0.01
<i>cis</i> -Linalool oxide (fur.)	6.28	1402.9	0.15	5.18	1070.6	0.16
Octanol	7.96	1529.7	0.03	5.26	1075.3	0.01
Fenchone	5.47	1344.1	0.03	5.32	1079.3	0.01
<i>trans</i> -Linalool oxide (fur.)	6.65*	1430.5	[0.08]	5.43*	1086.4	[0.11]
Terpinolene	4.02	1238.3	0.04	5.43*	1086.4	[0.11]
Rosefuran	5.72	1362.4	0.02	5.60	1097.3	0.03
Linalool	7.82	1518.7	4.51	5.69	1102.7	4.38
(Z)-6-Methyl-3,5- heptadien-2-one	7.92	1526.2	0.09	5.70	1103.8	0.05
<i>cis</i> -Rose oxide	5.03	1312.3	1.05	5.82*	1111.1	[1.07]
Phenylethyl alcohol	11.86*	1853.2	[1.06]	5.82*	1111.1	[1.07]
<i>trans</i> -Rose oxide	5.20*	1324.1	[0.44]	6.06	1126.7	0.43
Unknown CYFL IV [m/z 95, 67 (86), 41 (68), 82 (64), 123 (62)...]	7.28*	1477.7	[0.04]	6.16	1133.3	0.03
Unknown COCI VIII [m/z 41, 69 (87), 82 (66), 67 (55), 109	9.13	1621.6	0.12	6.29	1141.9	0.19

(46)... 142 (18)]						
Menthone	6.34	1407.5	2.64	6.43	1150.7	2.61
iso-Isopulegol	7.72	1510.9	0.13	6.46	1152.6	0.12
Citronellal	6.71*	1434.6	[5.58]	6.49	1155.0	0.38
Isomenthone	6.71*	1434.6	[5.58]	6.59	1161.4	5.16
neo-Menthol	8.37	1561.3	0.02	6.64*	1164.9	[0.06]
Isoneral	7.51	1495.0	0.04	6.64*	1164.9	[0.06]
Terpinen-4-ol	8.33*	1558.5	[6.47]	6.76	1172.5	0.04
Menthol	8.91*	1604.2	[0.15]	6.78	1174.1	0.03
Isomenthol	8.67*	1585.1	[0.36]	6.88	1180.5	0.11
para-Cymen-8-ol	11.18	1792.9	0.10	6.93	1183.7	0.03
α -Terpineol	9.50*	1651.7	[0.53]	7.00	1188.4	0.32
Myrtenol	10.57	1740.9	0.06	7.09	1193.9	0.04
Unknown DRMO II [m/z 123, 81 (40), 67 (29), 79 (29), 93 (26), 121 (25), 41 (24), 55 (18), 69 (15)...]				7.27	1205.6	0.02
Nerol	10.78	1759.4	0.68	7.64	1230.9	0.48
Citronellol	10.50	1735.6	21.80	7.75	1238.7	22.07
Neral	9.17*	1625.3	[1.08]	7.81	1242.4	0.57
Piperitone	9.62*	1661.5	[5.76]	7.91	1249.3	0.03
Geraniol	11.38	1810.7	13.64	8.14	1264.9	14.09
Geranial	9.80	1676.9	0.84	8.26	1273.6	0.83
Citronellyl formate	8.62	1581.5	9.90	8.41	1283.4	9.85
Neryl formate	9.17*	1625.3	[1.08]	8.45	1286.1	0.29
Geranyl formate	9.62*	1661.5	[5.76]	8.78	1304.8	5.67
(3Z)-Hexenyl tiglate	9.08	1617.7	0.05	8.90	1314.1	0.02
Methyl geranate	9.44*	1646.9	[0.86]	9.05	1324.6	0.03
Citronellic acid	15.70*	2224.0	[0.07]	9.10	1327.9	0.04
Unknown HEBR I [m/z 95, 147 (61), 96 (39), 93 (37), 94 (37)... 204 (4)]	6.65*	1430.5	[0.08]	9.38*	1348.0	[0.17]
α -Cubebene	6.48	1417.9	0.07	9.38*	1348.0	[0.17]
Citronellyl acetate	9.17*	1625.3	[1.08]	9.49	1356.1	0.30
Geranic acid				9.56*†	1360.6	[0.07]
Neryl acetate	9.87	1682.4	0.09	9.58*†	1362.2	[0.12]
α -Ylangene	6.71*	1434.6	[5.58]	9.64	1366.7	0.02
α -Copaene	6.82	1443.4	0.37	9.73	1372.6	0.35
β -Bourbonene	7.16	1468.7	1.08	9.84	1380.6	1.10
1,5-diepi- β - Bourbonene	7.04	1459.7	0.09	9.86	1381.9	0.07
Geranyl acetate	10.25	1714.1	0.37	9.91	1385.9	0.37
β -Elemene	8.12*	1541.8	[0.74]	9.97	1389.8	0.13

Phenylethyl isobutyrate	11.49	1820.8	0.09	10.00	1392.4	0.11
α -Gurjunene	7.28*	1477.7	[0.04]	10.18	1404.8	0.03
β -Caryophyllene	8.08	1539.1	1.12	10.30	1413.8	1.13
β -Copaene	8.02	1534.3	0.10	10.44	1424.1	0.12
Heptyl tiglate				10.54	1431.7	0.02
α -Guaiane	8.12*	1541.8	[0.74]	10.60*	1436.2	[0.67]
<i>trans</i> - α -Bergamotene	8.12*	1541.8	[0.74]	10.60*	1436.2	[0.67]
6,9-Guaiadiene	8.33*	1558.5	[6.47]	10.67	1441.7	6.50
Unknown BOCA IV [m/z 91, 161 (92), 105 (85), 119 (63), 133 (53), 79 (49), 204 (46)]	8.46	1568.7	0.37	10.72*	1445.8	[0.85]
Citronellyl propionate	9.94	1687.9	0.44	10.72*	1445.8	[0.85]
α -Humulene	8.95	1607.5	0.27	10.76	1448.4	0.25
allo-Aromadendrene	8.67*	1585.1	[0.36]	10.85	1455.4	0.18
<i>trans</i> -Cadina-1(6),4-diene	8.91*	1604.2	[0.15]	11.05*	1470.0	[0.24]
γ -Murolene	9.25*	1631.4	[0.18]	11.05*	1470.0	[0.24]
α -Amorphene	9.25*	1631.4	[0.18]	11.10	1473.6	0.11
Geranyl propionate	11.01	1778.4	0.89	11.14*	1476.7	[1.65]
Germacrene D	9.44*	1646.9	[0.86]	11.14*	1476.7	[1.65]
β -Selinene	9.56	1657.1	0.16	11.18	1480.3	0.20
Phenylethyl isovalerate	12.68	1928.3	0.03	11.24	1484.4	0.11
γ -Amorphene	9.50*	1651.7	[0.53]	11.26	1486.0	0.18
Bicyclgermacrene	9.70*	1668.2	[0.13]	11.31*	1490.0	[0.13]
Viridiflorene	9.32	1637.0	0.07	11.31*	1490.0	[0.13]
4-epi- <i>cis</i> -Dihydroagarofuran	9.62*	1661.5	[5.76]	11.38	1495.1	0.10
α -Murolene	9.70*	1668.2	[0.13]	11.41	1497.5	0.14
γ -Cadinene	10.04	1696.4	0.30	11.57	1509.6	0.28
Geranyl isobutyrate	10.96	1774.7	0.36	11.65	1516.0	0.36
<i>trans</i> -Calamenene	10.89	1768.7	0.19	11.69	1518.5	0.16
δ -Cadinene	10.08	1699.3	0.58	11.72	1520.9	0.66
Citronellyl butyrate	10.83	1763.6	0.54	11.84	1530.8	0.55
Phenylethyl angelate?	13.89	2042.1	0.06	11.89	1534.5	0.04
α -Agarofuran	11.50	1821.9	0.18	11.93*	1537.9	[0.24]
α -Calacorene	11.76	1845.1	0.15	11.93*	1537.9	[0.24]
Europelargone isomer	12.47*	1908.9	[0.37]	12.13	1553.9	0.11
1-nor-Bourbonanone	13.11	1968.2	0.08	12.20	1558.9	0.02
Geranyl butyrate	11.86*	1853.2	[1.06]	12.25	1563.2	1.05
Spathulenol	14.08*	2060.7	[1.52]	12.34	1570.6	0.02
Caryophyllene oxide	12.36	1898.5	0.01	12.40*	1574.6	[0.33]

isomer						
Caryophyllene oxide	12.47*	1908.9	[0.37]	12.40*	1574.6	[0.33]
Globulol	13.61	2014.9	0.03	12.45	1578.7	0.03
Furopelargone A	13.68	2021.8	0.58	12.49*	1582.1	[1.13]
Phenylethyl tiglate	14.68	2119.4	0.54	12.49*	1582.1	[1.13]
Geranyl 2-methylbutyrate?	11.86*	1853.2	[1.06]	12.73	1600.8	0.05
Geranyl isovalerate	11.92*	1858.5	[0.42]	12.78	1604.7	0.39
1,10-diepi-Cubenol	13.36*	1991.4	[0.16]	12.83	1609.0	0.18
10-epi-γ-Eudesmol	13.79	2033.0	0.04	12.84	1610.1	0.07
1-epi-Cubenol	13.42	1997.0	0.08	12.99	1622.4	0.12
γ-Eudesmol	14.55	2106.5	0.02	13.03	1626.0	0.06
Unknown PEGR II [m/z 147, 162 (79), 43 (64), 59 (64), 95 (47), 91 (44), 105 (43)... 238 (13)]	14.92*	2144.2	[0.06]	13.06	1628.4	0.02
Citronellyl valerate?	11.92*	1858.5	[0.42]	13.11	1632.1	0.01
Cubenol	13.36*	1991.4	[0.16]	13.16*	1636.6	[0.15]
τ-Murolol	14.70	2122.0	0.04	13.16*	1636.6	[0.15]
β-Eudesmol	15.05	2156.7	0.01	13.22	1641.4	0.08
α-Eudesmol	14.99*	2150.6	[0.06]	13.28	1646.2	0.07
α-Cadinol	15.13	2165.4	0.08	13.30	1648.5	0.09
cis-Calamenen-10-ol	16.09	2264.6	0.07	13.35*	1652.7	[0.08]
Valerianol	14.99*	2150.6	[0.06]	13.35*	1652.7	[0.08]
Geranyl valerate	12.90	1948.6	0.06	13.43	1659.0	0.09
Citronellyl tiglate	13.04	1961.5	0.33	13.53	1667.4	0.34
Citronellyl 4-methylvalerate				13.77	1687.1	0.10
3β,4β-Oxidoagarofuran?	15.70*	2224.0	[0.07]	13.88	1696.1	0.08
Geranyl tiglate	14.08*	2060.7	[1.52]	13.95	1702.6	1.48
Geranyl 4-methylvalerate?	13.45	1999.9	0.21	14.15	1719.7	0.17
Citronellyl caproate	12.96	1954.5	0.04	14.18	1722.5	0.04
Geranyl caproate	13.93	2046.1	0.09	14.57	1756.2	0.09
Citronellyl heptanoate				15.29	1819.4	0.04
Phytone	14.37	2088.8	0.02	15.59	1847.0	0.02
Geranyl heptanoate	14.92*	2144.2	[0.06]	15.66	1853.4	0.05
Citronellyl caprylate	14.92*	2144.2	[0.06]	16.32	1913.5	0.04
Unknown COCI L [m/z 69, 83 (59), 81 (56), 137 (48), 41 (29), 139 (28)...]	21.35	2880.5	0.33	23.60	2708.9	0.35

Unknown CYWI III [m/z 69, 81 (84), 137 (53), 83 (30), 95 (27), 41 (19)...]	22.28	3003.7	0.46	24.05*	2767.2	[0.44]
Unknown UNKN CCXVIII [m/z 69, 81 (86), 137 (48), 83 (29), 95 (29), 41 (19)...]	22.22	2995.2	0.01	24.05*	2767.2	[0.44]
Unknown UNKN CCXIX [m/z 69, 81 (66), 95 (31), 41 (19), 137 (19), 153 (16)...]	23.19	3130.3	0.17	24.49	2824.4	0.15
Total reported	95.36%			96.67%		

*: 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