

Date : 2025-04-24

CERTIFICATE OF ANALYSIS - GC PROFILING

SAMPLE IDENTIFICATION

Internal code : 25D08-PTH07

Customer Identification : Organic Egyptian Geranium - Egypt - GI0112R

Type : Essential Oil

Source : *Pelargonium graveolens* ct. *Egyptian*

Customer : Plant Therapy

Checked and approved by:

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

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

Date : 2025-04-24

PHYSICOCHEMICAL DATA

Refractive index : 1.4672 ± 0.0003 (20 °C)

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

Analyst : Cindy Caron B. Sc.

Date : 2025-04-09

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	tr	Aliphatic aldehyde
Isoamyl alcohol	0.02	Aliphatic alcohol
Toluene	tr	Simple phenolic
Prenal	0.01	Aliphatic aldehyde
Hexanal	0.01	Aliphatic aldehyde
Unknown	0.02	Unknown
3-Methylpentanol	0.04	Aliphatic alcohol
(3Z)-Hexenol	0.02	Aliphatic alcohol
Hexanol	0.01	Aliphatic alcohol
3-Acetyl-3-methylcyclopentene	0.01	Aliphatic ketone
3-Methylpentyl formate?	0.01	Aliphatic ester
Tricyclene	0.01	Monoterpene
α -Pinene	0.51	Monoterpene
Unknown	0.02	Unknown
Camphene	0.02	Monoterpene
Benzaldehyde	0.01	Simple phenolic
Geranic oxide	0.05	Monoterpenic ether
β -Pinene	0.01	Monoterpene
Sabinene	0.01	Monoterpene
Octen-3-ol	0.02	Aliphatic alcohol
6-Methyl-5-hepten-2-one	0.10	Aliphatic ketone
Myrcene	0.09	Monoterpene
<i>trans</i> -Dehydroxylinalool oxide	0.04	Monoterpenic ether
6-Methyl-5-hepten-2-ol	0.01	Aliphatic alcohol
α -Phellandrene	0.07	Monoterpene
Pseudolimonene	0.01	Monoterpene
Δ^3 -Carene	0.03	Monoterpene
α -Terpinene	0.01	Monoterpene
<i>para</i> -Cymene	0.09	Monoterpene
β -Phellandrene	0.06	Monoterpene
Unknown	0.02	Unknown
1,8-Cineole	0.02	Monoterpenic ether
Limonene	0.16	Monoterpene
Unknown	0.04	Unknown
(Z)- β -Ocimene	0.10	Monoterpene
Unknown	0.03	Unknown
(E)- β -Ocimene	0.09	Monoterpene
2,6-Dimethyl-5-heptenal (melonal)	0.01	Aliphatic aldehyde
γ -Terpinene	0.02	Monoterpene

<i>cis</i> -Sabinene hydrate	0.02	Monoterpenic alcohol
Unknown	0.02	Oxygenated monoterpene
<i>cis</i> -Linalool oxide (fur.)	0.21	Monoterpenic alcohol
Octanol	0.02	Aliphatic alcohol
Fenchone	0.02	Monoterpenic ketone
<i>trans</i> -Linalool oxide (fur.)	0.08	Monoterpenic alcohol
Terpinolene	0.03	Monoterpene
<i>trans</i> -Sabinene hydrate	0.02	Monoterpenic alcohol
Linalool	4.30	Monoterpenic alcohol
(<i>Z</i>)-6-Methyl-3,5-heptadien-2-one	0.02	Aliphatic ketone
<i>cis</i> -Rose oxide	1.32	Monoterpenic ether
Phenylethyl alcohol	0.03	Simple phenolic
<i>trans</i> -Rose oxide	0.55	Monoterpenic ether
Unknown	0.05	Unknown
Isopulegol	0.09	Monoterpenic alcohol
Menthone	2.19	Monoterpenic ketone
Unknown	0.06	Unknown
iso-Isopulegol	0.03	Monoterpenic alcohol
Citronellal	0.10	Monoterpenic aldehyde
Isomenthone	4.97	Monoterpenic ketone
Borneol	0.04	Monoterpenic alcohol
neo-Menthol	0.07	Monoterpenic alcohol
Menthol	0.04	Monoterpenic alcohol
Terpinen-4-ol	0.04	Monoterpenic alcohol
Isomenthol	0.18	Monoterpenic alcohol
<i>para</i> -Cymen-8-ol	0.04	Monoterpenic alcohol
α -Terpineol	0.31	Monoterpenic alcohol
Unknown	0.02	Unknown
Unknown	0.03	Oxygenated monoterpene
β -Cyclocitral	0.04	Monoterpenic aldehyde
Nerol	0.22	Monoterpenic alcohol
Citronellol	31.85	Monoterpenic alcohol
Neral	0.41	Monoterpenic aldehyde
Piperitone	0.07	Monoterpenic ketone
Geraniol	13.01	Monoterpenic alcohol
Geranial	0.77	Monoterpenic aldehyde
Citronellyl formate	6.40	Monoterpenic ester
Neryl formate	0.09	Monoterpenic ester
Geranyl formate	2.39	Monoterpenic ester
(3 <i>Z</i>)-Hexenyl tiglate	0.02	Aliphatic ester
Methyl geranate	0.04	Monoterpenic ester
Citronellic acid	0.06	Monoterpenic acid
α -Cubebene	0.23	Sesquiterpene
Citronellyl acetate	0.20	Monoterpenic ester
Phenylethyl propionate	0.08	Phenolic ester

Neryl acetate	0.06	Monoterpenic ester
α -Ylangene	0.08	Sesquiterpene
α -Copaene	0.53	Sesquiterpene
Geranic acid	0.02	Aliphatic acid
β -Bourbonene	1.14	Sesquiterpene
1,5-diepi- β -Bourbonene	0.05	Sesquiterpene
Geranyl acetate	0.37	Monoterpenic ester
β -Elemene	0.08	Sesquiterpene
Phenylethyl isobutyrate	0.05	Phenolic ester
Isocaryophyllene	0.09	Sesquiterpene
β -Caryophyllene	1.42	Sesquiterpene
β -Copaene	0.16	Sesquiterpene
Heptyl tiglate	0.01	Aliphatic ester
Aromadendrene	0.09	Sesquiterpene
6,9-Guaiadiene	0.35	Sesquiterpene
Isogermacrene D	0.09	Sesquiterpene
Unknown	0.42	Sesquiterpene
Citronellyl propionate	0.45	Monoterpenic ester
α -Humulene	0.32	Sesquiterpene
allo-Aromadendrene	0.22	Sesquiterpene
Unknown	0.05	Sesquiterpene
<i>trans</i> -Cadina-1(6),4-diene	0.24	Sesquiterpene
γ -Murolene	0.15	Sesquiterpene
α -Amorphene	0.22	Sesquiterpene
Geranyl propionate	0.57	Monoterpenic ester
Germacrene D	1.13	Sesquiterpene
β -Selinene	0.17	Sesquiterpene
γ -Amorphene	0.15	Sesquiterpene
Phenylethyl isovalerate	0.04	Phenolic ester
Viridiflorene	0.25	Sesquiterpene
Bicyclogermacrene	0.37	Sesquiterpene
α -Selinene	0.23	Sesquiterpene
4-epi- <i>cis</i> -Dihydroagarofuran	0.06	Sesquiterpenic ether
α -Murolene	0.28	Sesquiterpene
γ -Cadinene	0.45	Sesquiterpene
7-epi- α -Selinene	0.07	Sesquiterpene
Geranyl isobutyrate	0.18	Monoterpenic ester
<i>cis</i> -Calamenene	0.16	Sesquiterpene
<i>trans</i> -Calamenene	0.08	Sesquiterpene
δ -Cadinene	0.88	Sesquiterpene
Zonarene	0.03	Sesquiterpene
<i>trans</i> -Cadina-1,4-diene	0.16	Sesquiterpene
Citronellyl butyrate	0.49	Monoterpenic ester
Phenylethyl angelate?	0.08	Phenolic ester
α -Cadinene	0.06	Sesquiterpene

α -Agarofuran	0.38	Sesquiterpenic ether
Dihydrocaryophyllen-5-one?	0.07	Sesquiterpenic ketone
Europelargone isomer	0.07	Sesquiterpenic ketone
1-nor-Bourbonanone	0.06	Norsesquiterpenic ketone
Geranyl butyrate	0.83	Monoterpenic ester
Spathulenol	0.26	Sesquiterpenic alcohol
Caryophyllene oxide	0.15	Sesquiterpenic ether
Caryophyllene oxide isomer	0.02	Sesquiterpenic ether
Globulol	0.11	Sesquiterpenic alcohol
Phenylethyl tiglate	0.76	Phenolic ester
Europelargone A	0.09	Sesquiterpenic ketone
Geranyl 2-methylbutyrate?	0.11	Monoterpenic ester
Geranyl isovalerate	0.08	Monoterpenic ester
10-epi- γ -Eudesmol	4.40	Sesquiterpenic alcohol
1-epi-Cubenol	0.16	Sesquiterpenic alcohol
γ -Eudesmol	0.22	Sesquiterpenic alcohol
Citronellyl valerate?	0.19	Monoterpenic ester
Agarospinol?	0.08	Sesquiterpenic alcohol
Jinkoh-eremol	0.13	Sesquiterpenic alcohol
Cubenol	0.12	Sesquiterpenic alcohol
τ -Cadinol	0.08	Sesquiterpenic alcohol
τ -Muurolol	0.07	Sesquiterpenic alcohol
β -Eudesmol	0.27	Sesquiterpenic alcohol
α -Eudesmol	0.27	Sesquiterpenic alcohol
α -Cadinol	0.18	Sesquiterpenic alcohol
Geranyl valerate	0.18	Monoterpenic ester
Citronellyl tiglate	0.32	Monoterpenic ester
Citronellyl 4-methylvalerate	0.10	Monoterpenic ester
3 β ,4 β -Oxidoagarofuran?	0.04	Sesquiterpenic ether
Geranyl tiglate	0.95	Monoterpenic ester
Geranyl 4-methylvalerate?	0.15	Monoterpenic ester
Citronellyl caproate	0.05	Monoterpenic ester
Geranyl caproate	0.08	Monoterpenic ester
Citronellyl heptanoate	0.07	Monoterpenic ester
Phytone	0.03	Terpenic ketone
Geranyl heptanoate	0.10	Monoterpenic ester
Citronellyl caprylate	0.04	Monoterpenic ester
Geranyl caprylate	0.04	Monoterpenic ester
Unknown	0.09	Unknown
Unknown	0.08	Unknown
Consolidated total	96.58	

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

Note: no correction factor was applied

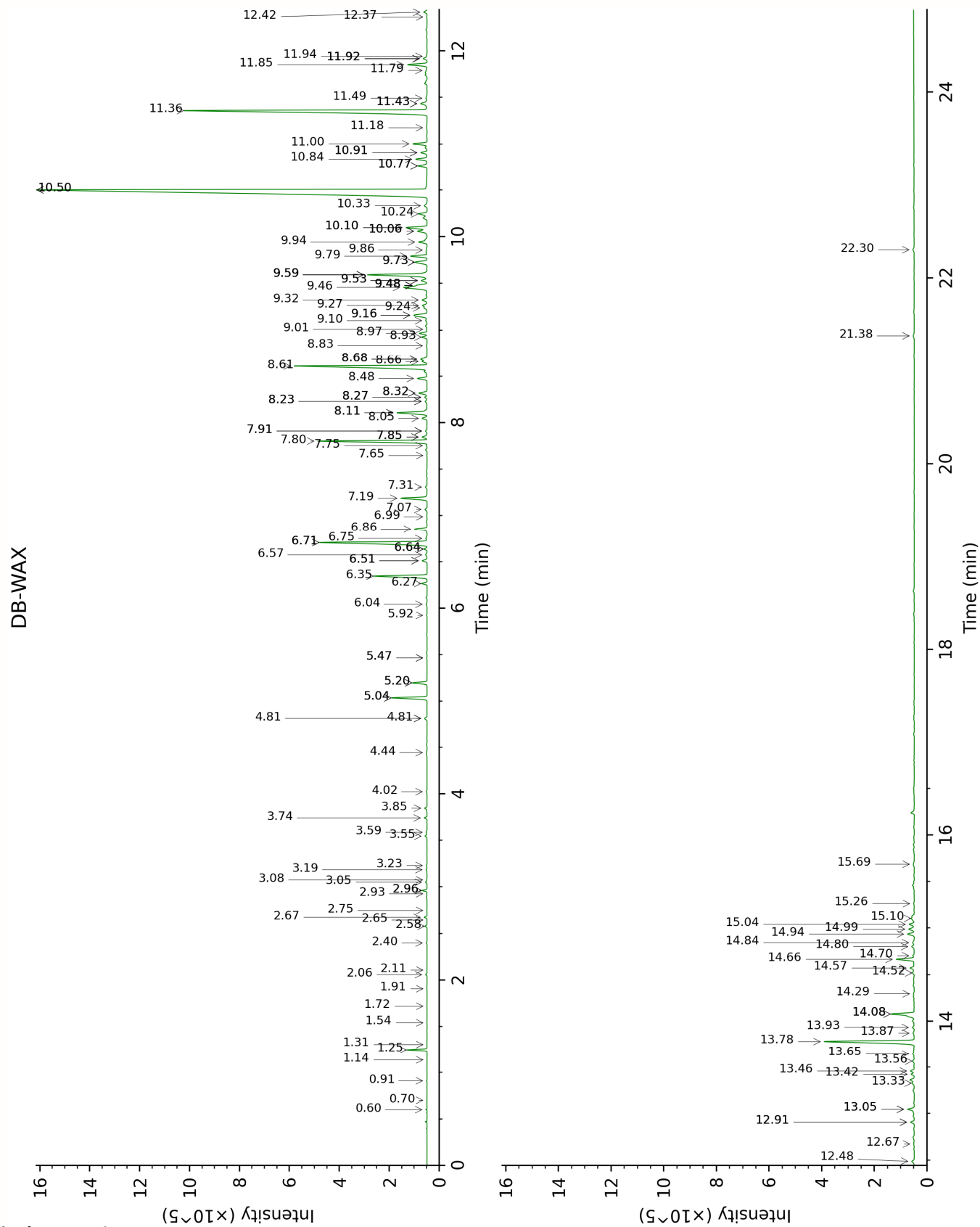
About "consolidated" data: The table above presents the breakdown of the sample volatile constituents after applying an algorithm to collapse data acquired from the multi-columns system of PhytoChemia into a single set of consolidated contents. In case of discrepancies between columns, the algorithm is set to prioritize data from the most standard DB-5 column, and smallest values so as to avoid

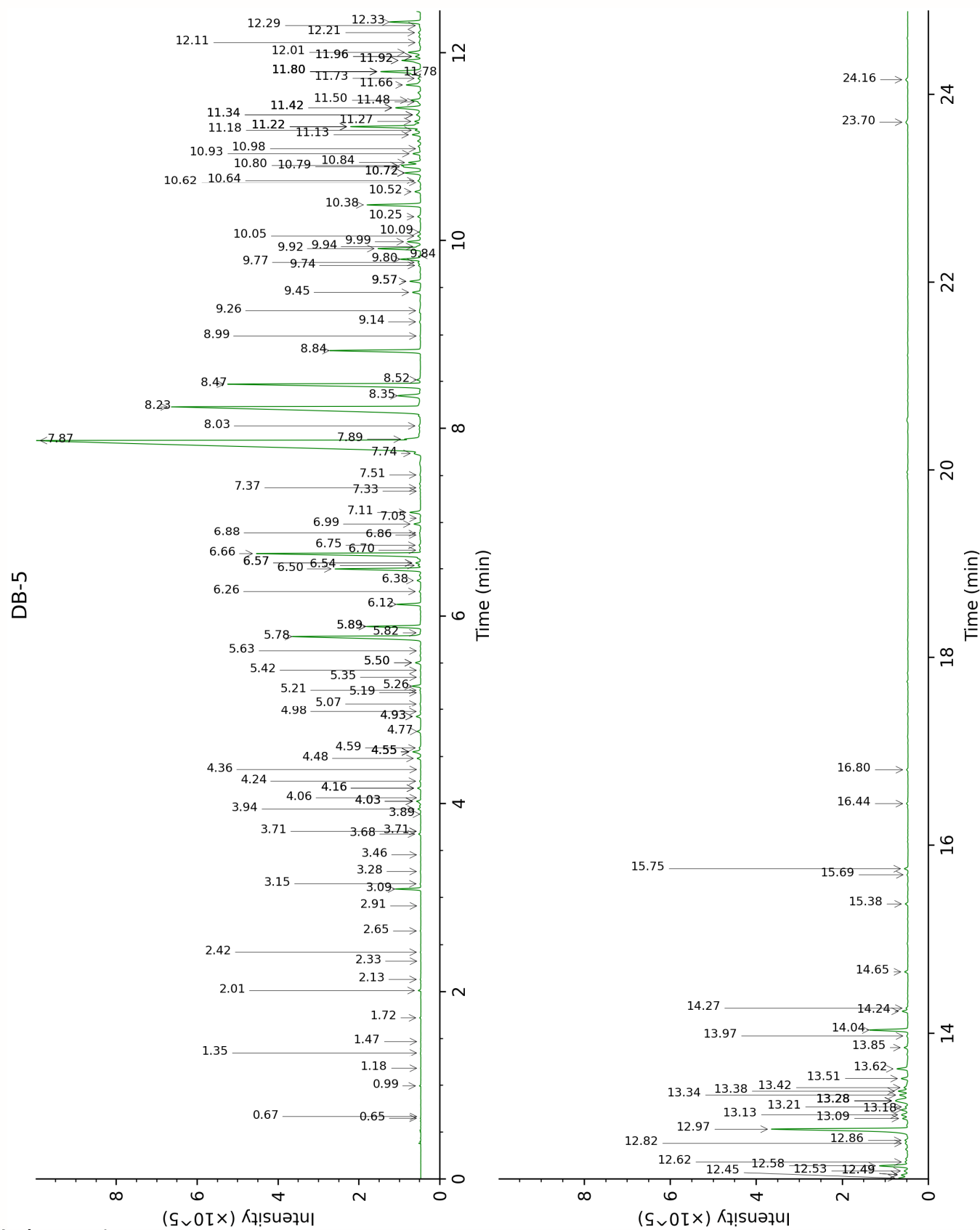
overestimating individual content. This process is semi-automatic. Advanced users are invited to consult the "Full analysis data" table after the chromatograms in this report to access the full untreated data and perform their own calculations if needed.

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		
				0.65	645.2	tr
2-Methylbutyral	0.70	878.5	tr	0.67	651.9	tr
Isoamyl alcohol	3.23	1176.9	0.02	0.99	728.0	0.02
Toluene	1.31	999.8	0.01	1.18	755.5	tr
Prenal	2.96*	1156.1	[0.16]	1.35	780.2	0.01
Hexanal	1.72	1044.0	tr	1.47	797.8	0.01
Unknown PEGR III [m/z 81, 69 (80), 41 (65), 83 (52), 109 (48), 55 (47)...]	0.60	834.4	0.02	1.72	820.7	0.02
3-Methylpentanol	4.81*	1287.6	[0.12]	2.01	845.4	0.04
(3Z)-Hexenol	5.47*	1343.6	[0.02]	2.13	855.5	0.02
Hexanol	5.20*	1324.1	[0.56]	2.33	871.9	0.01
3-Acetyl-3-methylcyclopentene	0.91	926.3	0.01	2.42	880.1	0.01
3-Methylpentyl formate?	2.93	1153.3	0.01	2.65	899.2	0.01
Tricyclene	1.14	969.1	tr	2.91	917.8	0.01
α -Pinene	1.25	990.2	0.50	3.09	929.9	0.51
Unknown PEGR IV [m/z 122, 107 (38), 121 (35), 79 (28), 77 (27), 43 (26)...]				3.15	933.6	0.02
Camphene	1.54	1025.1	tr	3.28	942.4	0.02
Benzaldehyde	6.99	1456.5	0.02	3.46	954.3	0.01
Geranic oxide	2.06	1079.7	0.05	3.68	969.1	0.05
β -Pinene	1.91	1063.8	0.01	3.71*	971.1	[0.02]
Sabinene	2.11	1084.9	0.01	3.71*	971.1	[0.02]
Octen-3-ol	6.51*	1420.4	[0.21]	3.89	983.3	0.02
6-Methyl-5-hepten-2-one	4.81*	1287.6	[0.12]	3.94†	987.0	0.07
Myrcene	2.68	1133.6	0.09	4.02*	992.5	[0.13]
trans-Dehydroxylinalool oxide	3.19	1173.4	0.04	4.02*	992.5	[0.13]
6-Methyl-5-hepten-2-ol	6.64*	1429.9	[0.12]	4.06	995.0	0.01
α -Phellandrene	2.58	1126.0	0.07	4.16*	1001.8	[0.08]
Pseudolimonene	2.65	1131.3	0.01	4.16*	1001.8	[0.08]
Δ^3 -Carene	2.40	1111.8	0.03	4.24	1006.6	0.03
α -Terpinene	2.75	1139.3	0.01	4.36	1014.4	0.01
para-Cymene	3.85	1221.8	0.10	4.48	1021.9	0.09
β -Phellandrene	3.05	1163.0	0.06	4.55*	1026.3	[0.26]

Unknown COCI XLIII [m/z 59, 43 (11), 109 (10), 41 (10), 127 (8)...]	5.92	1377.0	0.02	4.55*	1026.3	[0.26]
1,8-Cineole	3.08	1164.9	0.02	4.55*	1026.3	[0.26]
Limonene	2.96*	1156.1	[0.16]	4.55*	1026.3	[0.26]
Unknown COCI XLIV [m/z 59, 43 (12), 109 (11), 41 (10), 127 (8)...]	6.04	1385.7	0.05	4.59	1028.9	0.04
(Z)- β -Ocimene	3.55*†	1200.9	[0.08]	4.77	1040.0	0.10
Unknown COCI V [m/z 125, 69 (75), 41 (34), 55 (25), 93 (22)... 140 (3)]	4.44	1262.8	0.03	4.93*	1050.0	[0.12]
(E)- β -Ocimene	3.74	1214.5	0.09	4.93*	1050.0	[0.12]
2,6-Dimethyl-5-heptenal (melonal)	5.04*	1312.3	[1.34]	4.98	1053.4	0.01
γ -Terpinene	3.59*†	1203.8	[0.04]	5.07	1058.8	0.02
cis-Sabinene hydrate	6.64*	1429.9	[0.12]	5.19	1066.4	0.02
Unknown PIMA I [m/z 79, 93 (60), 43 (40), 94 (35), 137 (33), 77 (26), 91 (20), 152 (18)]				5.21	1068.1	0.02
cis-Linalool oxide (fur.)	6.27	1402.0	0.21	5.26	1070.8	0.21
Octanol	7.91*	1527.1	[0.07]	5.35	1076.8	0.02
Fenchone	5.47*	1343.6	[0.02]	5.42	1081.4	0.02
trans-Linalool oxide (fur.)	6.57	1425.2	0.08	5.50*	1086.5	[0.15]
Terpinolene	4.02	1234.1	0.03	5.50*	1086.5	[0.15]
trans-Sabinene hydrate	7.65	1506.3	0.01	5.63	1094.4	0.02
Linalool	7.80	1518.5	4.21	5.78	1104.0	4.30
(Z)-6-Methyl-3,5-heptadien-2-one	7.91*	1527.1	[0.07]	5.82	1106.5	0.02
cis-Rose oxide	5.04*	1312.3	[1.34]	5.89*	1110.8	[1.35]
Phenylethyl alcohol	11.79	1850.8	0.03	5.89*	1110.8	[1.35]
trans-Rose oxide	5.20*	1324.1	[0.56]	6.12	1125.9	0.55
Unknown CYFL IV [m/z 95, 67 (86), 41 (68), 82 (64), 123 (62)...]	7.31	1480.6	0.07	6.26	1134.6	0.05
Isopulegol	7.85*	1521.9	[0.23]	6.38	1142.0	0.09
Menthone	6.35	1407.9	2.19	6.50	1149.9	2.19
Unknown PEGR I [m/z 43, 141 (51), 55 (36),	8.23*	1552.1	[0.10]	6.54	1152.3	0.06

69 (31), 41 (29)... 156 (4)]						
iso-Isopulegol	7.76	1514.7	0.03	6.56*	1154.0	[0.13]
Citronellal	6.71*	1435.2	[5.08]	6.56*	1154.0	[0.13]
Isomenthone	6.71*	1435.2	[5.08]	6.66	1160.3	4.97
Borneol	9.48*†	1652.5	[0.25]	6.70	1162.6	0.04
neo-Menthol	8.27*	1555.5	[0.10]	6.75	1166.0	0.07
Menthol	8.83	1599.6	0.03	6.86	1172.9	0.04
Terpinen-4-ol	8.27*	1555.5	[0.10]	6.88	1174.4	0.04
Isomenthol	8.66	1585.9	0.20	6.99	1180.8	0.18
para-Cymen-8-ol	11.18	1796.0	0.03	7.05	1184.8	0.04
α-Terpineol	9.48*†	1652.5	[0.25]	7.11	1188.7	0.31
Unknown MEPI V [m/z 43, 99 (84), 81 (46), 986 (43), 126 (36), 71 (28)... 170 (12)]				7.34	1203.0	0.02
Unknown DRMO II [m/z 123, 81 (40), 67 (29), 79 (29), 93 (26), 121 (25), 41 (24), 55 (18), 69 (15)...]				7.37	1205.4	0.03
β-Cyclocitral	8.32*	1559.1	[0.38]	7.51	1214.5	0.04
Nerol	10.77*	1760.8	[0.38]	7.74	1229.7	0.22
Citronellol	10.50*	1738.0	[31.83]	7.87	1238.8	31.85
Neral	9.16*	1626.4	[0.79]	7.89	1239.7	0.41
Piperitone	9.53*	1656.9	[0.26]	8.03	1249.2	0.07
Geraniol	11.36	1812.2	12.92	8.23	1262.5	13.01
Geranial	9.79	1678.3	0.66	8.35	1270.4	0.77
Citronellyl formate	8.61	1582.0	6.41	8.47	1278.6	6.40
Neryl formate	9.10	1621.6	0.09	8.52	1281.6	0.09
Geranyl formate	9.59*	1661.9	[2.68]	8.84	1300.8	2.39
(3Z)-Hexenyl tiglate	9.01	1614.0	0.02	8.99	1311.9	0.02
Methyl geranate	9.48*†	1652.5	[0.25]	9.14	1322.7	0.04
Citronellic acid				9.26	1331.1	0.06
α-Cubebene	6.51*	1420.4	[0.21]	9.45	1345.0	0.23
Citronellyl acetate	9.16*	1626.4	[0.79]	9.57*	1353.4	[0.28]
Phenylethyl propionate	11.49	1824.0	0.08	9.57*	1353.4	[0.28]
Neryl acetate	9.86	1683.6	0.05	9.74	1365.5	0.06
α-Ylangene	6.75	1438.5	0.07	9.77	1367.8	0.08
α-Copaene	6.86	1446.4	0.54	9.80	1370.2	0.53
Geranic acid				9.84	1373.1	0.02
β-Bourbonene	7.19	1471.6	1.13	9.92	1378.2	1.14
1,5-diepi-β-	7.07	1462.6	0.10	9.94	1379.8	0.05

Bourbonene						
Geranyl acetate	10.24	1716.1	0.39	9.99	1383.4	0.37
β -Elemene	8.11*	1542.5	[1.38]	10.05	1387.7	0.08
Phenylethyl isobutyrate	11.43*	1818.8	[0.37]	10.09	1390.7	0.05
Isocaryophyllene	7.85*	1521.9	[0.23]	10.25	1402.4	0.09
β -Caryophyllene	8.11*	1542.5	[1.38]	10.38	1411.8	1.42
β -Copaene	8.05	1537.7	0.22	10.52	1422.3	0.16
Heptyl tiglate				10.62	1429.9	0.01
Aromadendrene	8.23*	1552.1	[0.10]	10.64	1431.6	0.09
6,9-Guaiadiene	8.32*	1559.1	[0.38]	10.72*	1437.9	[0.45]
Isogermacrene D	8.68*	1587.8	[0.31]	10.72*	1437.9	[0.45]
Unknown BOCA IV [m/z 91, 161 (92), 105 (85), 119 (63), 133 (53), 79 (49), 204 (46)]	8.48	1571.4	0.40	10.79	1442.9	0.42
Citronellyl propionate	9.94	1690.7	0.36	10.80	1443.9	0.45
α -Humulene	8.97	1610.4	0.31	10.84	1446.3	0.32
allo-Aromadendrene	8.68*	1587.8	[0.31]	10.93	1453.4	0.22
Unknown AMBA XXIX [m/z 161, 105 (68), 119 (54), 91 (52), 93 (41), 79 (39)... 204 (6)]				10.98	1457.3	0.05
<i>trans</i> -Cadina-1(6),4-diene	8.93	1607.1	0.22	11.13	1468.5	0.24
γ -Murolene	9.24	1632.8	0.15	11.18	1472.1	0.15
α -Amorphene	9.26	1634.9	0.22	11.22*	1474.9	[1.92]
Geranyl propionate	11.00	1781.1	0.57	11.22*	1474.9	[1.92]
Germacrene D	9.46*†	1650.8	[1.42]	11.22*	1474.9	[1.92]
β -Selinene	9.53*	1656.9	[0.26]	11.27	1479.1	0.17
γ -Amorphene	9.48*†	1652.5	[0.25]	11.34*	1484.4	[0.19]
Phenylethyl isovalerate	12.67	1931.0	0.04	11.34*	1484.4	[0.19]
Viridiflorene	9.32	1639.7	0.25	11.42*	1490.0	[0.87]
Bicyclogermacrene	9.73*	1673.0	[0.65]	11.42*	1490.0	[0.87]
α -Selinene	9.59*	1661.9	[2.68]	11.42*	1490.0	[0.87]
4-epi- <i>cis</i> -Dihydroagarofuran	9.59*	1661.9	[2.68]	11.48	1494.8	0.06
α -Murolene	9.73*	1673.0	[0.65]	11.50	1496.0	0.28
γ -Cadinene	10.06*	1700.2	[0.48]	11.66	1508.5	0.45
7-epi- α -Selinene	10.10*	1703.4	[0.95]	11.73	1514.1	0.07
Geranyl isobutyrate	10.91*	1773.0	[0.26]	11.78	1517.8	0.18
<i>cis</i> -Calamenene	10.77*	1760.8	[0.38]	11.80*	1519.7	[1.21]
<i>trans</i> -Calamenene	10.91*	1773.0	[0.26]	11.80*	1519.7	[1.21]

δ-Cadinene	10.10*	1703.4	[0.95]	11.80*	1519.7	[1.21]
Zonarene	10.06*	1700.2	[0.48]	11.80*	1519.7	[1.21]
trans-Cadina-1,4-diene	10.33	1723.5	0.16	11.92*	1529.1	[0.61]
Citronellyl butyrate	10.84	1766.9	0.49	11.92*	1529.1	[0.61]
Phenylethyl angelate?	13.87	2044.4	0.08	11.96*	1532.5	[0.14]
α-Cadinene	10.50*	1738.0	[31.83]	11.96*	1532.5	[0.14]
α-Agarofuran	11.43*	1818.8	[0.37]	12.00	1535.9	0.38
Dihydrocaryophyllen-5-one?	11.94	1864.4	0.03	12.11	1544.1	0.07
Furopelargone isomer	12.48	1913.4	0.13	12.22	1552.5	0.07
1-nor-Bourbonanone	13.05*	1965.8	[0.34]	12.29	1558.4	0.06
Geranyl butyrate	11.85	1856.3	0.81	12.33	1561.4	0.83
Spathulenol	14.08*	2064.4	[1.22]	12.45	1571.2	0.26
Caryophyllene oxide	12.42	1907.2	0.15	12.49*	1573.9	[0.19]
Caryophyllene oxide isomer	12.37	1902.3	0.02	12.49*	1573.9	[0.19]
Globulol	13.56	2014.6	0.09	12.53	1577.3	0.11
Phenylethyl tiglate	14.66	2122.3	0.74	12.58	1581.7	0.76
Furopelargone A	13.65	2022.6	0.08	12.62	1584.9	0.09
Geranyl 2-methylbutyrate?	11.92*	1862.1	[0.17]	12.82	1600.5	0.11
Geranyl isovalerate	11.92*	1862.1	[0.17]	12.86	1603.0	0.08
10-epi-γ-Eudesmol	13.78	2035.6	4.11	12.97	1612.9	4.40
1-epi-Cubenol	13.42	2000.9	0.13	13.09	1622.3	0.16
γ-Eudesmol	14.57	2112.9	0.20	13.13	1625.5	0.22
Citronellyl valerate?	11.92*	1862.1	[0.17]	13.18	1629.8	0.19
Agarospinol?				13.21	1632.5	0.08
Jinkoh-eremol	14.80	2136.1	0.13	13.28*	1637.9	[0.61]
Cubenol	13.33	1992.0	0.12	13.28*	1637.9	[0.61]
τ-Cadinol	14.52	2107.5	0.08	13.28*	1637.9	[0.61]
τ-Murolol	14.70	2126.2	0.07	13.28*	1637.9	[0.61]
β-Eudesmol	15.04	2160.3	0.23	13.34	1643.0	0.27
α-Eudesmol	14.99	2155.0	0.28	13.38	1646.3	0.27
α-Cadinol	15.10	2166.7	0.18	13.42	1649.4	0.18
Geranyl valerate	12.91*	1952.8	[0.15]	13.51	1657.4	0.18
Citronellyl tiglate	13.05*	1965.8	[0.34]	13.62	1666.0	0.32
Citronellyl 4-methylvalerate				13.85	1685.3	0.10
3β,4β-Oxidoagarofuran?	15.69	2226.4	0.08	13.97	1695.5	0.04
Geranyl tiglate	14.08*	2064.4	[1.22]	14.04	1700.7	0.95
Geranyl 4-	13.46	2004.2	0.16	14.24	1717.9	0.15

methylvaleate?						
Citronellyl caproate	12.91*	1952.8	[0.15]	14.27	1720.7	0.05
Geranyl caproate	13.93	2050.5	0.08	14.65	1754.0	0.08
Citronellyl heptanoate				15.38	1816.9	0.07
Phytone	14.30	2085.6	0.04	15.69	1844.9	0.03
Geranyl heptanoate	14.84	2140.4	0.09	15.75	1850.7	0.10
Citronellyl caprylate	14.94	2149.7	0.31	16.44	1913.4	0.04
Geranyl caprylate	15.26	2182.7	0.04	16.80	1947.2	0.04
Unknown COCI L [m/z 69, 83 (59), 81 (56), 137 (48), 41 (29), 139 (28)...]	21.38	2888.6	0.07	23.70	2684.8	0.09
Unknown CYWI III [m/z 69, 81 (84), 137 (53), 83 (30), 95 (27), 41 (19)...]	22.30	3009.9	0.08	24.16	2740.2	0.08
Total reported	95.30%			96.90%		

*: 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