

Date : 2024-07-23

CERTIFICATE OF ANALYSIS - GC PROFILING

SAMPLE IDENTIFICATION

**Internal code :** 24G10-PTH02

**Customer Identification :** Bourbon Geranium - Madagascar - G20110R

**Type :** Essential Oil

**Source :** *Pelargonium graveolens* ct. Madagascar

**Customer :** Plant Therapy

Checked and approved by:

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

**Date :** 2024-07-19

## PHYSICOCHEMICAL DATA

**Refractive index :**  $1.4653 \pm 0.0003$  (20 °C)

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

**Analyst :** Cindy Caron B. Sc.

**Date :** 2024-07-11

## 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
Isobutyral	tr	Aliphatic aldehyde
2-Methyl-3-buten-2-ol	0.01	Aliphatic alcohol
Isovaleral	tr	Aliphatic aldehyde
2-Methylbutyral	tr	Aliphatic aldehyde
Isoamyl alcohol	0.01	Aliphatic alcohol
Toluene	tr	Simple phenolic
Isoamyl formate	0.01	Aliphatic ester
Unknown	0.03	Unknown
3-Methylpentanol	0.04	Aliphatic alcohol
(3Z)-Hexenol	0.03	Aliphatic alcohol
Hexanol	0.01	Aliphatic alcohol
3-Acetyl-3-methylcyclopentene	0.01	Aliphatic ketone
3-Methylpentyl formate?	0.03	Aliphatic ester
Hashishene	tr	Monoterpene
Tricyclene	0.02	Monoterpene
$\alpha$ -Thujene	tr	Monoterpene
$\alpha$ -Pinene	0.49	Monoterpene
Unknown	0.02	Simple phenolic
Camphene	0.03	Monoterpene
Geranic oxide	0.04	Monoterpenic ether
$\beta$ -Pinene	0.05	Monoterpene
Sabinene	0.01	Monoterpene
Octen-3-ol	0.04	Aliphatic alcohol
6-Methyl-5-hepten-2-one	0.07	Aliphatic ketone
Myrcene	0.16	Monoterpene
<i>trans</i> -Dehydroxylinalool oxide	0.05	Monoterpenic ether
6-Methyl-5-hepten-2-ol	tr	Aliphatic alcohol
$\alpha$ -Phellandrene	0.09	Monoterpene
$\Delta^3$ -Carene	0.03	Monoterpene
$\alpha$ -Terpinene	0.02	Monoterpene
<i>para</i> -Cymene	0.10	Monoterpene
Limonene	0.17	Monoterpene
1,8-Cineole	[0.18]	Monoterpenic ether
Unknown	0.02	Unknown
$\beta$ -Phellandrene	[0.18]	Monoterpene
Unknown	0.03	Unknown
Benzeneacetaldehyde	0.01	Simple phenolic
(Z)- $\beta$ -Ocimene	0.13	Monoterpene
Unknown	0.02	Unknown
(E)- $\beta$ -Ocimene	0.11	Monoterpene

Isobutyl angelate	0.02	Aliphatic ester
γ-Terpinene	0.01	Monoterpene
Unknown	0.02	Oxygenated monoterpene
cis-Linalool oxide (fur.)	0.19	Monoterpenic alcohol
Octanol	0.02	Aliphatic alcohol
Terpinolene	0.04	Monoterpene
trans-Linalool oxide (fur.)	0.04	Monoterpenic alcohol
para-Cymenene	0.03	Monoterpene
Rosefuran	0.03	Monoterpenic ether
Linalool	4.93	Monoterpenic alcohol
(Z)-6-Methyl-3,5-heptadien-2-one	0.03	Aliphatic ketone
cis-Rose oxide	1.05	Monoterpenic ether
Phenylethyl alcohol	0.03	Simple phenolic
trans-Rose oxide	0.43	Monoterpenic ether
trans-Pinocarveol	0.02	Monoterpenic alcohol
Unknown	0.05	Unknown
Unknown	0.26	Oxygenated normonoterpene
Menthone	2.20	Monoterpenic ketone
Citronellal	0.82	Monoterpenic aldehyde
Isomenthone	5.42	Monoterpenic ketone
Isoneral	0.02	Monoterpenic aldehyde
neo-Menthol	0.07	Monoterpenic alcohol
Terpinen-4-ol	0.04	Monoterpenic alcohol
Menthol	0.03	Monoterpenic alcohol
Isomenthol	0.13	Monoterpenic alcohol
para-Cymen-8-ol	0.03	Monoterpenic alcohol
α-Terpineol	0.37	Monoterpenic alcohol
Myrtenol	0.04	Monoterpenic alcohol
Unknown	0.01	Unknown
Unknown	0.02	Oxygenated monoterpene
Nerol	0.55	Monoterpenic alcohol
Citronellol	21.60	Monoterpenic alcohol
Neral	0.58	Monoterpenic aldehyde
Piperitone	0.09	Monoterpenic ketone
Geraniol	13.71	Monoterpenic alcohol
Geranial	0.80	Monoterpenic aldehyde
Citronellyl formate	10.23	Monoterpenic ester
Neryl formate	0.30	Monoterpenic ester
Geranyl formate	5.84	Monoterpenic ester
(3Z)-Hexenyl tiglate	0.03	Aliphatic ester
Methyl geranate	0.02	Monoterpenic ester
α-Cubebene	0.09	Sesquiterpene
Phenylethyl propionate	0.06	Phenolic ester
Citronellyl acetate	0.31	Monoterpenic ester
Neryl acetate	0.02	Monoterpenic ester

$\alpha$ -Ylangene	0.02	Sesquiterpene
Geranic acid	0.05	Aliphatic acid
$\alpha$ -Copaene	0.34	Sesquiterpene
$\beta$ -Bourbonene	1.01	Sesquiterpene
Geranyl acetate	0.38	Monoterpenic ester
$\beta$ -Elemene	0.13	Sesquiterpene
Phenylethyl isobutyrate	0.11	Phenolic ester
$\alpha$ -Gurjunene	0.02	Sesquiterpene
$\beta$ -Caryophyllene	0.70	Sesquiterpene
$\beta$ -Ylangene	0.37	Sesquiterpene
$\beta$ -Copaene	0.10	Sesquiterpene
Heptyl tiglate	0.01	Aliphatic ester
$\alpha$ -Guaiene	[0.63]	Sesquiterpene
<i>trans</i> - $\alpha$ -Bergamotene	[0.63]	Sesquiterpene
6,9-Guaiadiene	6.19	Sesquiterpene
Unknown	0.37	Sesquiterpene
Citronellyl propionate	0.49	Monoterpenic ester
$\alpha$ -Humulene	0.25	Sesquiterpene
allo-Aromadendrene	0.17	Sesquiterpene
<i>trans</i> -Cadina-1(6),4-diene	0.25	Sesquiterpene
$\gamma$ -Murolene	0.10	Sesquiterpene
Germacrene D	0.78	Sesquiterpene
Geranyl propionate	0.99	Monoterpenic ester
$\beta$ -Selinene	0.20	Sesquiterpene
Phenylethyl isovalerate	0.05	Phenolic ester
$\gamma$ -Amorphene	0.30	Sesquiterpene
Bicyclogermacrene	0.06	Sesquiterpene
Viridiflorene	0.08	Sesquiterpene
4-epi- <i>cis</i> -Dihydroagarofuran	0.09	Sesquiterpenic ether
$\alpha$ -Murolene	0.12	Sesquiterpene
$\delta$ -Amorphene	0.09	Sesquiterpene
$\gamma$ -Cadinene	0.01	Sesquiterpene
Cubebol	0.04	Sesquiterpenic alcohol
7-epi- $\alpha$ -Selinene	0.22	Sesquiterpene
Geranyl isobutyrate	0.31	Monoterpenic ester
<i>trans</i> -Calamenene	0.15	Sesquiterpene
Zonarene	0.28	Sesquiterpene
$\delta$ -Cadinene	0.36	Sesquiterpene
Citronellyl butyrate	0.53	Monoterpenic ester
Phenylethyl angelate?	0.05	Phenolic ester
$\alpha$ -Cadinene	0.04	Sesquiterpene
$\alpha$ -Agarofuran	0.22	Sesquiterpenic ether
Furopelargone isomer	0.12	Sesquiterpenic ketone
1-nor-Bourbonanone	0.04	Norsesquiterpenic ketone
Geranyl butyrate	0.97	Monoterpenic ester

Caryophyllene oxide	0.29	Sesquiterpenic ether
Caryophyllene oxide isomer	0.01	Sesquiterpenic ether
Globulol	0.05	Sesquiterpenic alcohol
Furopelargone A	0.52	Sesquiterpenic ketone
Phenylethyl tiglate	0.52	Phenolic ester
Geranyl 2-methylbutyrate?	0.01	Monoterpenic ester
Geranyl isovalerate	0.35	Monoterpenic ester
10-epi- $\gamma$ -Eudesmol	0.05	Sesquiterpenic alcohol
1,10-diepi-Cubenol	0.14	Sesquiterpenic alcohol
1-epi-Cubenol	0.02	Sesquiterpenic alcohol
$\gamma$ -Eudesmol	0.07	Sesquiterpenic alcohol
Citronellyl valerate?	0.02	Monoterpenic ester
Cubenol	0.07	Sesquiterpenic alcohol
$\tau$ -Muurolol	0.02	Sesquiterpenic alcohol
$\tau$ -Cadinol	0.02	Sesquiterpenic alcohol
$\beta$ -Eudesmol	0.07	Sesquiterpenic alcohol
$\alpha$ -Cadinol	0.07	Sesquiterpenic alcohol
<i>cis</i> -Calamenen-10-ol	0.08	Sesquiterpenic alcohol
Geranyl valerate	0.11	Monoterpenic ester
Citronellyl tiglate	0.30	Monoterpenic ester
Citronellyl 4-methylvalerate	0.10	Monoterpenic ester
3 $\beta$ ,4 $\beta$ -Oxidoagarofuran?	0.07	Sesquiterpenic ether
Geranyl tiglate	1.29	Monoterpenic ester
Citronellyl caproate	0.04	Monoterpenic ester
Geranyl 4-methylvalerate?	0.12	Monoterpenic ester
Geranyl caproate	0.06	Monoterpenic ester
Citronellyl heptanoate	0.04	Monoterpenic ester
Phytone	0.03	Terpenic ketone
Geranyl heptanoate	0.05	Monoterpenic ester
Citronellyl caprylate	0.04	Monoterpenic ester
Geranyl caprylate	0.04	Monoterpenic ester
Unknown	0.46	Unknown
Unknown	0.61	Unknown
Unknown	0.21	Unknown
<b>Consolidated total</b>	<b>96.49</b>	

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

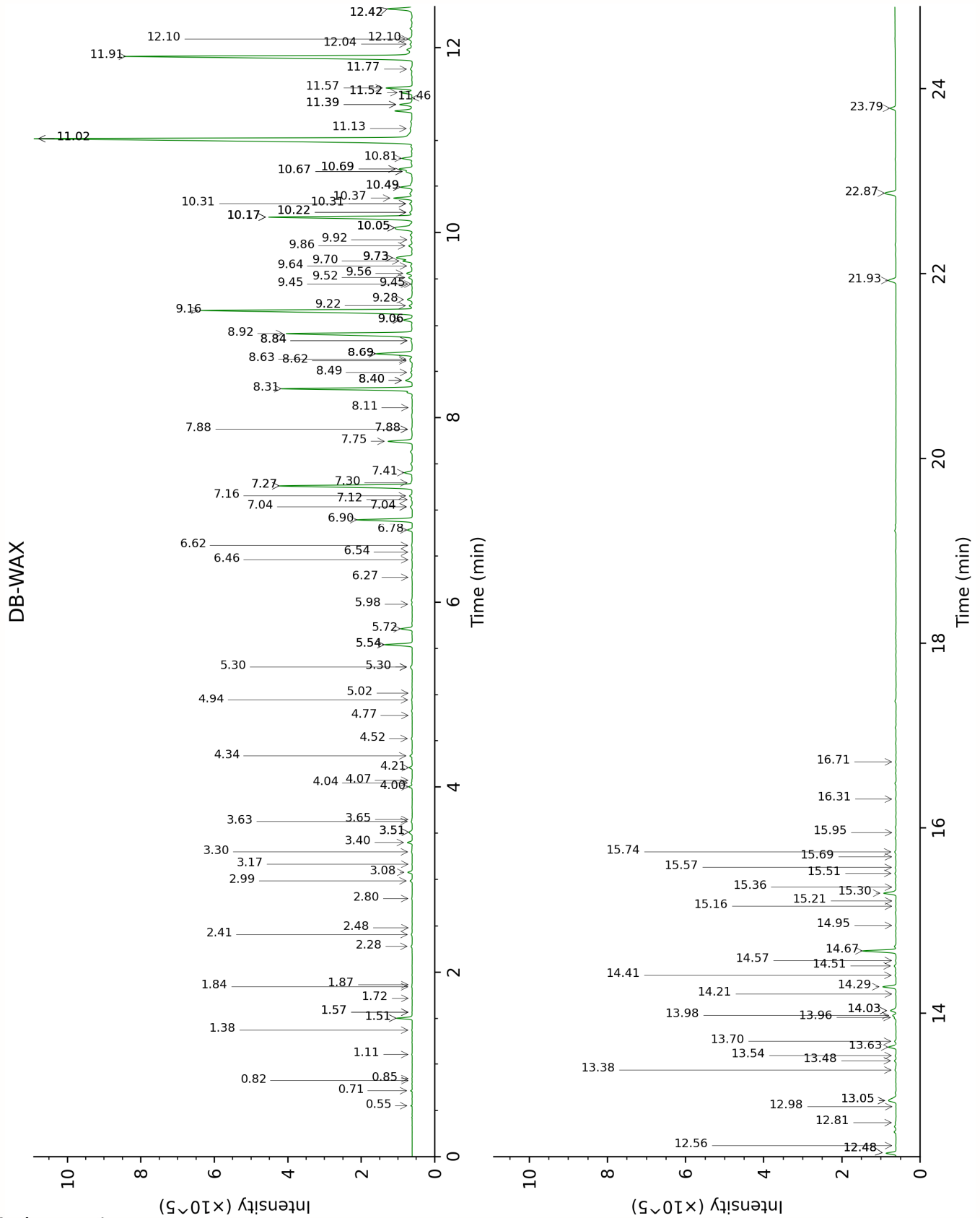
Note: no correction factor was applied

**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.

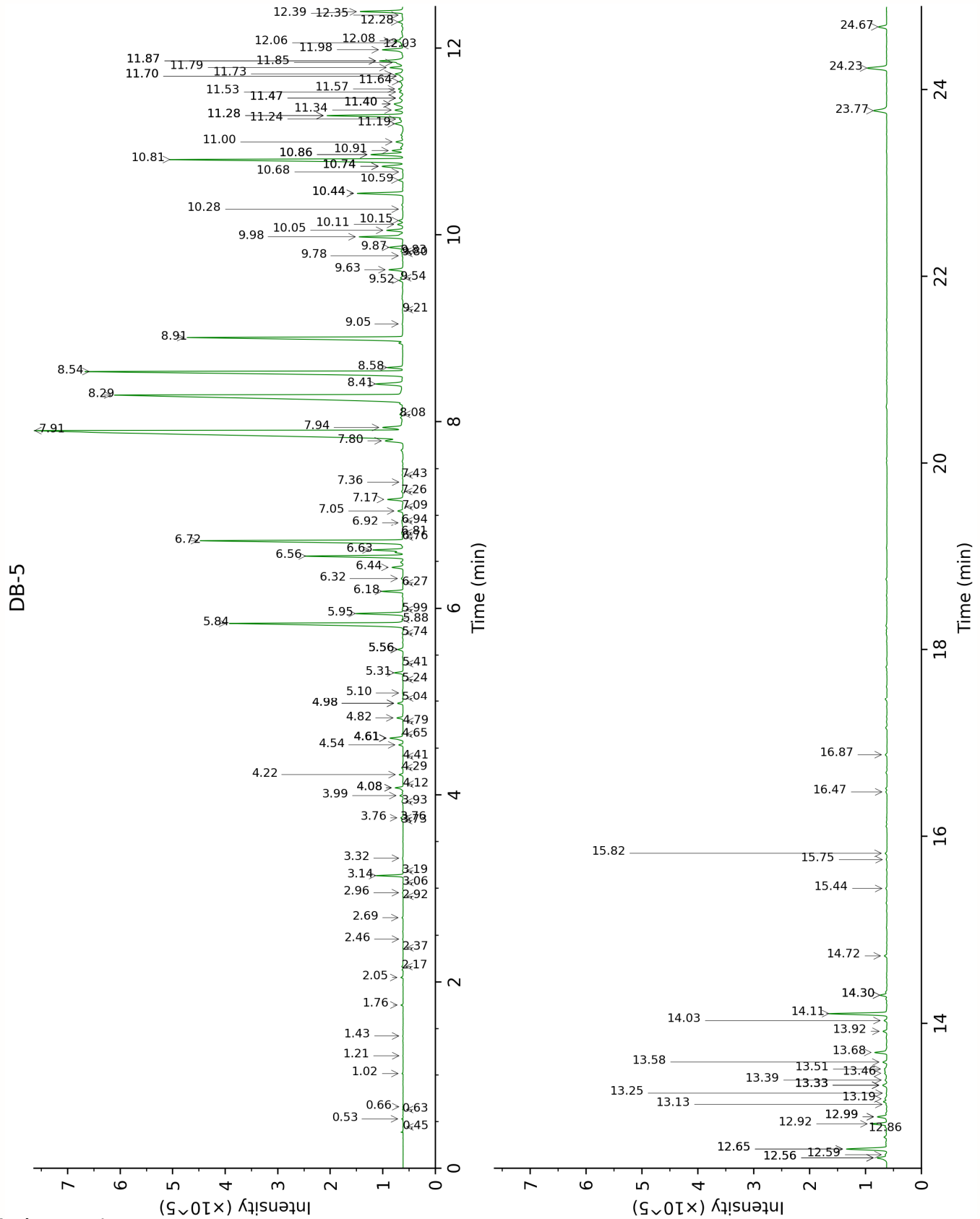
**Unknowns:** Unknown compounds' mass spectral data is presented in the "Full analysis data" table. The occurrence of unknown compounds is to be expected in many samples, and does not denote particular problems unless noted otherwise in the conclusion.

**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

Isobutyral	Column DB-WAX			Column DB-5		
	0.55	775.5	0.02	0.44	537.3	tr
2-Methyl-3-buten-2-ol	1.72	1014.2	0.01	0.53	607.0	0.01
Isovaleral	0.85	886.3	tr	0.63	641.7	tr
2-Methylbutyral	0.82	878.8	tr	0.66	652.1	tr
Isoamyl alcohol	3.65	1177.2	0.01	1.02	733.2	0.01
Toluene	1.57*	999.8	[0.01]	1.21	759.9	tr
Isoamyl formate	1.84	1026.1	0.01	1.42	790.7	0.01
Unknown PEGR III [m/z 81, 69 (80), 41 (65), 83 (52), 109 (48), 55 (47)...]	0.71	840.7	0.03	1.76	823.8	0.03
3-Methylpentanol	5.30*	1300.1	[0.11]	2.05	848.2	0.04
(3Z)-Hexenol	5.98	1347.7	0.03	2.17	857.9	0.03
Hexanol	5.54*	1317.0	[1.06]	2.37	874.6	0.01
3-Acetyl-3-methylcyclopentene	1.11	930.9	0.01	2.46	882.3	0.01
3-Methylpentyl formate?	3.30	1150.7	0.05	2.69	901.3	0.03
Hashishene	1.51*	992.8	[0.49]	2.92	917.1	tr
Tricyclene	1.38	972.9	0.01	2.96	919.6	0.02
$\alpha$ -Thujene	1.57*	999.8	[0.01]	3.06	926.7	tr
$\alpha$ -Pinene	1.51*	992.8	[0.49]	3.14	931.7	0.49
Unknown ACMI I [m/z 122, 121 (36), 107 (33), 79 (27), 93 (25), 77 (25), 43 (20)]	4.07	1208.1	0.02	3.19	935.1	0.02
Camphene	1.87	1028.3	0.01	3.32	944.0	0.03
Geranic oxide	2.41	1079.9	0.04	3.73	970.6	0.04
$\beta$ -Pinene	2.28	1067.8	0.05	3.76*	972.6	[0.05]
Sabinene	2.48	1086.8	0.01	3.76*	972.6	[0.05]
Octen-3-ol	7.04*	1423.3	[0.10]	3.93	984.0	0.04
6-Methyl-5-hepten-2-one	5.30*	1300.1	[0.11]	3.99	988.3	0.07
Myrcene	3.08	1134.1	0.16	4.08*	993.8	[0.19]
<i>trans</i> -Dehydroxylinalool oxide	3.63	1175.5	0.05	4.08*	993.8	[0.19]
6-Methyl-5-hepten-2-ol	7.16	1431.9	0.13	4.12	996.3	tr
$\alpha$ -Phellandrene	2.99	1127.0	0.08	4.22	1003.1	0.09
$\Delta^3$ -Carene	2.80	1112.6	0.03	4.29	1007.9	0.03
$\alpha$ -Terpinene	3.17	1140.7	0.01	4.41	1015.5	0.02

<i>para</i> -Cymene	4.34	1226.6	0.09	4.54	1023.1	0.10
Limonene	3.40	1158.4	0.17	4.61*	1027.7	[0.37]
1,8-Cineole	3.51*	1166.9	[0.18]	4.61*	1027.7	[0.37]
Unknown COCI XLIII [m/z 59, 43 (11), 109 (10), 41 (10), 127 (8)...]	6.46	1381.6	0.02	4.61*	1027.7	[0.37]
$\beta$ -Phellandrene	3.51*	1166.9	[0.18]	4.61*	1027.7	[0.37]
Unknown COCI XLIV [m/z 59, 43 (12), 109 (11), 41 (10), 127 (8)...]	6.62	1392.5	0.04	4.65	1030.2	0.03
Benzeneacetaldehyde	9.06*	1574.4	[0.37]	4.79	1038.9	0.01
(Z)- $\beta$ -Ocimene	4.00	1203.2	0.13	4.82	1041.2	0.13
Unknown COCI V [m/z 125, 69 (75), 41 (34), 55 (25), 93 (22)... 140 (3)]	4.94	1268.9	0.02	4.98*	1051.0	[0.13]
(E)- $\beta$ -Ocimene	4.21	1217.7	0.11	4.98*	1051.0	[0.13]
Isobutyl angelate	4.77	1257.2	0.01	5.04	1054.6	0.02
$\gamma$ -Terpinene	4.04	1206.1	0.05	5.10	1058.3	0.01
Unknown PIMA I [m/z 79, 93 (60), 43 (40), 94 (35), 137 (33), 77 (26), 91 (20), 152 (18)]	5.02	1274.5	0.02	5.24	1067.4	0.02
<i>cis</i> -Linalool oxide (fur.)	6.78	1404.5	0.18	5.31	1071.9	0.19
Octanol	8.40*	1524.1	[0.39]	5.41	1078.0	0.02
Terpinolene	4.52	1239.7	0.04	5.56*	1087.6	[0.13]
<i>trans</i> -Linalool oxide (fur.)	7.12	1429.0	0.04	5.56*	1087.6	[0.13]
<i>para</i> -Cymenene	6.54	1387.4	0.03	5.56*	1087.6	[0.13]
Rosefuran	6.27	1368.2	0.03	5.74	1098.5	0.03
Linalool	8.31	1517.3	4.90	5.84	1105.0	4.93
(Z)-6-Methyl-3,5- heptadien-2-one	8.49	1530.8	0.07	5.88	1107.6	0.03
<i>cis</i> -Rose oxide	5.54*	1317.0	[1.06]	5.95	1111.7	1.05
Phenylethyl alcohol	12.42*	1852.2	[1.07]	5.99	1114.5	0.03
<i>trans</i> -Rose oxide	5.72	1329.1	0.43	6.18	1126.9	0.43
<i>trans</i> -Pinocarveol	9.45*	1604.4	[0.03]	6.27	1132.7	0.02
Unknown CYFL IV [m/z 95, 67 (86), 41 (68), 82 (64), 123 (62)...]	7.88*	1484.3	[0.06]	6.32	1135.7	0.05
Unknown COCI VIII [m/z 41, 69 (87), 82 (66), 67 (55), 109	9.70	1624.2	0.35	6.44	1143.3	0.26

(46)... 142 (18)]						
Menthone	6.90	1413.2	2.21	6.56	1151.0	2.20
Citronellal	7.27*	1439.8	[5.98]	6.63†	1155.2	0.67
Isomenthone	7.27*	1439.8	[5.98]	6.72	1161.5	5.42
Isoneral	8.11	1501.8	0.01	6.76	1164.0	0.02
neo-Menthol	8.84*	1557.4	[0.07]	6.81	1167.1	0.07
Terpinen-4-ol	8.84*	1557.4	[0.07]	6.92	1174.2	0.04
Menthol	9.45*	1604.4	[0.03]	6.94	1175.5	0.03
Isomenthol	9.22	1586.2	0.12	7.05	1182.3	0.13
para-Cymen-8-ol	11.77	1795.1	0.10	7.09	1185.2	0.03
α-Terpineol	10.05*	1652.8	[1.29]	7.17	1190.2	0.37
Myrtenol	11.13	1741.1	0.17	7.26	1195.6	0.04
Unknown MEPI V [m/z 43, 99 (84), 81 (46), 986 (43), 126 (36), 71 (28)... 170 (12)]				7.36	1202.0	0.01
Unknown DRMO II [m/z 123, 81 (40), 67 (29), 79 (29), 93 (26), 121 (25), 41 (24), 55 (18), 69 (15)...]				7.43	1207.0	0.02
Nerol	11.39*	1762.8	[0.54]	7.80	1231.4	0.55
Citronellol	11.02*	1731.9	[21.79]	7.91	1238.7	21.60
Neral	9.73*	1626.9	[0.91]	7.94	1241.0	0.58
Piperitone	10.17*	1661.9	[6.13]	8.08	1250.4	0.09
Geraniol	11.91	1807.2	13.55	8.29	1264.2	13.71
Geranial	10.37	1678.2	0.73	8.41	1272.2	0.80
Citronellyl formate	9.16	1582.3	10.29	8.54	1281.0	10.23
Neryl formate	9.73*	1626.9	[0.91]	8.58	1283.9	0.30
Geranyl formate	10.17*	1661.9	[6.13]	8.91	1305.9	5.84
(3Z)-Hexenyl tiglate	9.64	1620.0	0.09	9.05	1316.1	0.03
Methyl geranate	10.05*	1652.8	[1.29]	9.21	1326.8	0.02
α-Cubebene	7.04*	1423.3	[0.10]	9.52	1348.8	0.09
Phenylethyl propionate	12.10*	1823.5	[0.23]	9.54	1350.7	0.06
Citronellyl acetate	9.73*	1626.9	[0.91]	9.63	1356.8	0.31
Neryl acetate	10.49*	1687.7	[0.47]	9.78	1367.3	0.02
α-Ylangene	7.30	1442.2	0.05	9.80	1369.1	0.02
Geranic acid				9.83	1370.7	0.05
α-Copaene	7.41	1450.2	0.34	9.87	1373.6	0.34
β-Bourbonene	7.75	1474.9	1.01	9.98	1381.5	1.01
Geranyl acetate	10.81	1714.1	0.41	10.05	1386.4	0.38
β-Elemene	8.63	1541.6	0.10	10.11	1390.8	0.13
Phenylethyl isobutyrate	12.04	1818.7	0.11	10.15	1393.7	0.11

$\alpha$ -Gurjunene	7.88*	1484.3	[0.06]	10.28	1402.3	0.02
$\beta$ -Caryophyllene	8.69*	1546.1	[1.72]	10.44*	1414.7	[1.07]
$\beta$ -Ylangene	8.40*	1524.1	[0.39]	10.44*	1414.7	[1.07]
$\beta$ -Copaene	8.62	1540.3	0.07	10.58	1425.3	0.10
Heptyl tiglate				10.68	1432.3	0.01
$\alpha$ -Guaiene	8.69*	1546.1	[1.72]	10.74*	1436.8	[0.63]
<i>trans</i> - $\alpha$ -Bergamotene	8.69*	1546.1	[1.72]	10.74*	1436.8	[0.63]
6,9-Guaiadiene	8.92	1563.2	6.15	10.81	1442.1	6.19
Unknown BOCA IV [m/z 91, 161 (92), 105 (85), 119 (63), 133 (53), 79 (49), 204 (46)]	9.06*	1574.4	[0.37]	10.86*	1446.1	[0.85]
Citronellyl propionate	10.49*	1687.7	[0.47]	10.86*	1446.1	[0.85]
$\alpha$ -Humulene	9.56	1613.6	0.25	10.91	1449.3	0.25
allo-Aromadendrene	9.28	1591.1	0.25	11.00	1456.2	0.17
<i>trans</i> -Cadina-1(6),4- diene	9.52	1610.0	0.15	11.19	1470.7	0.25
$\gamma$ -Muurolene	9.86	1637.2	0.16	11.24	1474.3	0.10
Germacrene D	10.05*	1652.8	[1.29]	11.28*	1477.1	[1.78]
Geranyl propionate	11.57	1777.8	0.99	11.28*	1477.1	[1.78]
$\beta$ -Selinene	10.17*	1661.9	[6.13]	11.34	1481.5	0.20
Phenylethyl isovalerate	13.38	1938.3	0.05	11.40*	1486.4	[0.35]
$\gamma$ -Amorphene	10.17*	1661.9	[6.13]	11.40*	1486.4	[0.35]
Bicyclogermacrene	10.31*	1673.4	[0.15]	11.47*	1491.0	[0.14]
Viridiflorene	9.92	1642.5	0.08	11.47*	1491.0	[0.14]
4-epi- <i>cis</i> - Dihydroagarofuran	10.22*	1666.0	[0.13]	11.53	1495.9	0.09
$\alpha$ -Muurolene	10.31*	1673.4	[0.15]	11.57	1498.4	0.12
$\delta$ -Amorphene	10.22*	1666.0	[0.13]	11.64	1504.1	0.09
$\gamma$ -Cadinene	10.67*	1702.3	[0.26]	11.70*	1508.8	[0.06]
Cubebol	12.81	1886.3	0.04	11.70*	1508.8	[0.06]
7-epi- $\alpha$ -Selinene	10.69*	1704.6	[0.58]	11.73	1510.6	0.22
Geranyl isobutyrate	11.52	1773.6	0.46	11.79	1516.0	0.31
<i>trans</i> -Calamenene	11.46	1769.0	0.03	11.85	1520.2	0.15
Zonarene	10.67*	1702.3	[0.26]	11.86*	1521.5	[0.64]
$\delta$ -Cadinene	10.69*	1704.6	[0.58]	11.86*	1521.5	[0.64]
Citronellyl butyrate	11.39*	1762.8	[0.54]	11.98	1530.9	0.53
Phenylethyl angelate?	14.51	2044.5	0.09	12.03	1534.4	0.05
$\alpha$ -Cadinene	11.02*	1731.9	[21.79]	12.06	1536.8	0.04
$\alpha$ -Agarofuran	12.10*	1823.5	[0.23]	12.08	1538.4	0.22
Furopelargone isomer	13.05*	1908.1	[0.51]	12.28	1554.2	0.12
1-nor-Bourbonanone	13.70	1967.5	0.06	12.35	1560.0	0.04
Geranyl butyrate	12.42*	1852.2	[1.07]	12.39	1563.0	0.97

Caryophyllene oxide	13.05*	1908.1	[0.51]	12.56*	1575.8	[0.30]
Caryophyllene oxide isomer	12.98	1902.1	0.01	12.56*	1575.8	[0.30]
Globulol	14.21	2015.5	0.02	12.59	1578.4	0.05
Furopelargone A	14.29	2023.0	0.52	12.65*	1583.2	[1.01]
Phenylethyl tiglate	15.30	2121.0	0.52	12.65*	1583.2	[1.01]
Geranyl 2-methylbutyrate?	12.48*	1857.4	[0.38]	12.86	1599.6	0.01
Geranyl isovalerate	12.48*	1857.4	[0.38]	12.92	1604.4	0.35
10-epi- $\gamma$ -Eudesmol	14.41	2034.8	0.05	13.00*	1610.6	[0.25]
1,10-diepi-Cubenol	13.98	1993.2	0.14	13.00*	1610.6	[0.25]
1-epi-Cubenol	14.03*	1998.3	[0.27]	13.13	1621.5	0.02
$\gamma$ -Eudesmol	15.21	2112.6	0.02	13.19	1626.5	0.07
Citronellyl valerate?	12.56	1864.6	0.03	13.25	1631.5	0.02
Cubenol	13.96	1991.2	0.07	13.33*	1638.5	[0.13]
$\tau$ -Muurolol	15.36	2127.5	0.02	13.33*	1638.5	[0.13]
$\tau$ -Cadinol	15.16	2107.0	0.02	13.33*	1638.5	[0.13]
$\beta$ -Eudesmol	15.69	2160.1	0.03	13.39	1643.1	0.07
$\alpha$ -Cadinol	15.74	2165.3	0.06	13.46	1649.1	0.07
<i>cis</i> -Calamenen-10-ol	16.71	2265.3	0.02	13.51	1652.9	0.08
Geranyl valerate	13.48	1947.5	0.06	13.58	1659.0	0.11
Citronellyl tiglate	13.63	1961.0	0.33	13.68	1667.5	0.30
Citronellyl 4-methylvalerate				13.92	1686.8	0.10
3 $\beta$ ,4 $\beta$ -Oxidoagarofuran?	16.31	2223.6	0.03	14.03	1696.3	0.07
Geranyl tiglate	14.67	2060.1	1.30	14.11	1702.5	1.29
Citronellyl caproate	13.54	1952.6	0.04	14.30*	1719.5	[0.16]
Geranyl 4-methylvalerate?	14.03*	1998.3	[0.27]	14.30*	1719.5	[0.16]
Geranyl caproate	14.57	2050.1	0.02	14.72	1755.9	0.06
Citronellyl heptanoate				15.44	1819.1	0.04
Phytone	14.95	2086.4	0.02	15.75	1847.1	0.03
Geranyl heptanoate	15.51	2142.2	0.05	15.82	1853.2	0.05
Citronellyl caprylate	15.58	2148.7	0.03	16.47	1913.3	0.04
Geranyl caprylate	15.95	2186.1	0.01	16.87	1951.1	0.04
Unknown COCI L [m/z 69, 83 (59), 81 (56), 137 (48), 41 (29), 139 (28)...]	21.93	2876.5	0.42	23.78	2713.7	0.46
Unknown UNKN CCXVIII [m/z 69, 81 (86), 137 (48), 83 (29), 95 (29), 41 (19)...]	22.87	3001.4	0.60	24.23	2772.8	0.61

Unknown UNKN						
CCXIX [m/z 69, 81 (66), 95 (31), 41 (19), 137 (19), 153 (16)...]	23.79	3129.4	0.23	24.67	2830.6	0.21
Total reported	95.58%			96.55%		

\*: 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