**Date :** November 17, 2021

# *Certificate of Analysis – GC Profiling*

## *Sample identification*

**Internal code :** 21K08-PTH01
**Customer identification :** Magnolia Flower - China - MQ0103216R
**Type :** Essential oil
**Source :** *Michelia x alba*
**Customer :** Plant Therapy

## *Analysis*

**Method:** PC-MAT-014 ISO - Analysis of the composition of an essential oil or other volatile liquid by FAST GC-FID (in French); identifications validated by GC-MS.
**Analyst :** Seydou Ka, Ph. D.
**Analysis date :** November 11, 2021

Checked and approved by :

Alexis St-Gelais, M. Sc., 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*Notes: This report may not be published, including online, without the written consent from Laboratoire PhytoChemia.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.*



Méthode certifiée ISO 17025:2017 Certified method

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*PHYSICOCHEMICAL DATA*

**Physical aspect:** Light orange liquid
**Refractive index:** 1.4652 ± 0.0003 (20 °C; method PC-MAT-016)

*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 |
|---|---|---|
| 3-Methylfuran | 0.01 | Furan |
| Methyl propionate | 0.05 | Aliphatic ester |
| 1,3-Cyclohexadiene | tr | Alkene |
| Isovaleral | tr | Aliphatic aldehyde |
| 2-Methylbutyral | 0.07 | Aliphatic aldehyde |
| Methyl isobutyrate | 0.01 | Aliphatic ester |
| Methyl butyrate | 0.07 | Aliphatic ester |
| 2-Methylbutanenitrile | tr | Aliphatic nitrile |
| Isoamyl alcohol | 0.02 | Aliphatic alcohol |
| 2-Methylbutanol | 0.04 | Aliphatic alcohol |
| Methyl 2-methylbutyrate | 5.22 | Aliphatic ester |
| Ethyl 2-methylbutyrate | 0.01 | Aliphatic ester |
| Methyl tiglate | 0.02 | Aliphatic ester |
| Isovaleric acid | 0.01 | Aliphatic acid |
| Hexanol | 0.07 | Aliphatic alcohol |
| 2-Methylbutyric acid | 0.15 | Aliphatic acid |
| 2-Methylhexanoic acid? | 0.20 | Aliphatic acid |
| 2-Heptanone | 0.01 | Aliphatic ketone |
| (4*Z*)-Heptenal | tr | Aliphatic aldehyde |
| Heptanal | 0.01 | Aliphatic aldehyde |
| Methyl hexanoate | 0.01 | Aliphatic ester |
| α-Thujene | 0.02 | Monoterpene |
| α-Pinene | 0.19 | Monoterpene |
| Methyl (3*E*)-hexenoate? | 0.01 | Aliphatic ester |
| Camphene | 0.06 | Monoterpene |
| β-Pinene | 0.45 | Monoterpene |
| 6-Methyl-5-hepten-2-one | 0.01 | Aliphatic ketone |
| Myrcene | 0.11 | Monoterpene |
| α-Terpinene | 0.04 | Monoterpene |
| para-Cymene | 0.07 | Monoterpene |
| 1,8-Cineole | 0.50 | Monoterpenic ether |
| Limonene | 0.41 | Monoterpene |
| (*Z*)-β-Ocimene | 2.41 | Monoterpene |
| (*E*)-β-Ocimene | 2.64 | Monoterpene |
| γ-Terpinene | 0.06 | Monoterpene |
| *cis*-Linalool oxide (fur.) | 0.19 | Monoterpenic alcohol |
| Terpinolene | 0.03 | Monoterpene |
| *trans*-Linalool oxide (fur.) | 0.22 | Monoterpenic alcohol |
| Methyl benzoate | 0.04 | Phenolic ester |
| Rosefuran | 0.02 | Monoterpenic ether |
| Hotrienol | 0.08 | Monoterpenic alcohol |
| Linalool | 65.18 | Monoterpenic alcohol |
| endo-Fenchol | 0.07 | Monoterpenic alcohol |
| Phenylethyl alcohol | 0.27 | Simple phenolic |
| Methyl octanoate | 0.02 | Aliphatic ester |

| | | |
|---|---|---|
| allo-Ocimene | 0.06 | Monoterpene |
| Camphor | 0.01 | Monoterpenic ketone |
| Camphene hydrate | 0.01 | Monoterpenic alcohol |
| Borneol | 0.07 | Monoterpenic alcohol |
| *cis*-Linalool oxide (pyr.) | 0.02 | Monoterpenic alcohol |
| Terpinen-4-ol | 0.07 | Monoterpenic alcohol |
| *trans*-Linalool oxide (pyr.) | 0.04 | Monoterpenic alcohol |
| α-Terpineol | 0.26 | Monoterpenic alcohol |
| Hodiendiol | 0.02 | Monoterpenic alcohol |
| Methylchavicol | 0.08 | Phenylpropanoid |
| Nerol | 0.09 | Monoterpenic alcohol |
| Phenylethyl acetate | 0.06 | Phenolic ester |
| Geraniol | 0.24 | Monoterpenic alcohol |
| Undec-(5*Z*)-en-2-one | 0.04 | Aliphatic ketone |
| Safrole | 0.13 | Phenylpropanoid |
| 1-Nitro-2-phenylethane | 0.02 | Simple phenolic |
| Indole | 0.02 | Indole |
| δ-Elemene | 0.02 | Sesquiterpene |
| Methyl anthranilate | 0.03 | Phenolic ester |
| α-Cubebene | 0.06 | Sesquiterpene |
| Hodiendiol derivative III | 0.01 | Oxygenated monoterpene |
| α-Copaene | 0.31 | Sesquiterpene |
| *cis*-β-Elemene | 0.05 | Sesquiterpene |
| β-Cubebene | 0.02 | Sesquiterpene |
| β-Elemene | 1.62 | Sesquiterpene |
| Phenylethyl isobutyrate | 0.02 | Phenolic ester |
| Methyleugenol | 2.52 | Phenylpropanoid |
| *cis*-α-Bergamotene | 0.08 | Sesquiterpene |
| β-Caryophyllene | 2.50 | Sesquiterpene |
| α-Santalene | 0.08 | Sesquiterpene |
| β-Copaene | 0.03 | Sesquiterpene |
| *trans*-α-Bergamotene | 0.17* | Sesquiterpene |
| α-Guaiene | 0.17* | Sesquiterpene |
| 9-epi-Isocaryophyllene | 0.04 | Sesquiterpene |
| α-Humulene | 0.53 | Sesquiterpene |
| allo-Aromadendrene | 0.01 | Sesquiterpene |
| (*E*)-β-Farnesene | 0.04 | Sesquiterpene |
| Selina-4,11-diene | 0.27 | Sesquiterpene |
| *trans*-Cadina-1(6),4-diene | 0.08 | Sesquiterpene |
| γ-Muurolene | 0.11 | Sesquiterpene |
| Germacrene D | 0.44 | Sesquiterpene |
| β-Selinene | 1.32 | Sesquiterpene |
| Phenylethyl isovalerate | 0.22 | Phenolic ester |
| Phenylethyl 2-methylbutyrate | 0.07 | Phenolic ester |
| α-Selinene | 0.96 | Sesquiterpene |
| α-Muurolene | 0.04 | Sesquiterpene |
| Methyl (*E*)-isoeugenol | 0.52 | Phenylpropanoid |
| Germacrene A | 0.05 | Sesquiterpene |
| δ-Guaiene | 0.04 | Sesquiterpene |
| β-Bisabolene | 0.26 | Sesquiterpene |
| γ-Cadinene | 0.11 | Sesquiterpene |
| Cubebol | 0.04 | Sesquiterpenic alcohol |

| | | |
|---|---|---|
| (3*E*,6*E*)-α-Farnesene | 0.14 | Sesquiterpene |
| *trans*-Calamenene | 0.01 | Sesquiterpene |
| δ-Cadinene | 0.94 | Sesquiterpene |
| *trans*-Cadina-1,4-diene | 0.20 | Sesquiterpene |
| α-Cadinene | 0.03 | Sesquiterpene |
| α-Calacorene | 0.05 | Sesquiterpene |
| Isocaryophyllene epoxide B | 0.06 | Sesquiterpenic ether |
| Elemicin | 0.03 | Phenylpropanoid |
| (*E*)-Nerolidol | 0.29 | Sesquiterpenic alcohol |
| Caryophyllene oxide | 0.52 | Sesquiterpenic ether |
| Viridiflorol | 0.04 | Sesquiterpenic alcohol |
| Humulene epoxide II | 0.12 | Sesquiterpenic ether |
| Unknown | 0.09 | Oxygenated sesquiterpene |
| Junenol | 0.04 | Sesquiterpenic alcohol |
| 1-epi-Cubenol | 0.12 | Sesquiterpenic alcohol |
| τ-Cadinol | 0.41 | Sesquiterpenic alcohol |
| τ-Muurolol | 0.29 | Sesquiterpenic alcohol |
| α-Muurolol | 0.03 | Sesquiterpenic alcohol |
| Selin-11-en-4α-ol | 0.34 | Sesquiterpenic alcohol |
| α-Cadinol | 0.01 | Sesquiterpenic alcohol |
| Phenylethyl hexanoate | 0.09 | Phenolic ester |
| (3*Z*)-Caryophylla-3,8(13)-dien-5β-ol | 0.02 | Sesquiterpenic alcohol |
| Heptadecane | 0.07 | Alkane |
| Unknown | 0.01 | Oxygenated sesquiterpene |
| Phenylethyl octanoate | 0.02 | Phenolic ester |
| Unknown | 0.11 | Aliphatic ester |
| Unknown | 0.15 | Aliphatic ester |
| Nonadecane | 0.05 | Alkane |
| Methyl palmitate | 0.03 | Aliphatic ester |
| Methyl linoleate | 0.36 | Aliphatic ester |
| Methyl α-linolenate | 0.20 | Aliphatic ester |
| Heneicosane | 0.02 | Alkane |
| Tricosane | 0.03 | Alkane |
| **Consolidated total** | **97.86%** | |

*: Individual compounds concentration could not be found due to overlapping coelutions on columns considered
[xx]: Duplicate percentage due to coelutions, not taken into account in the consolidated total
tr: The compound has been detected below 0.005% of 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.

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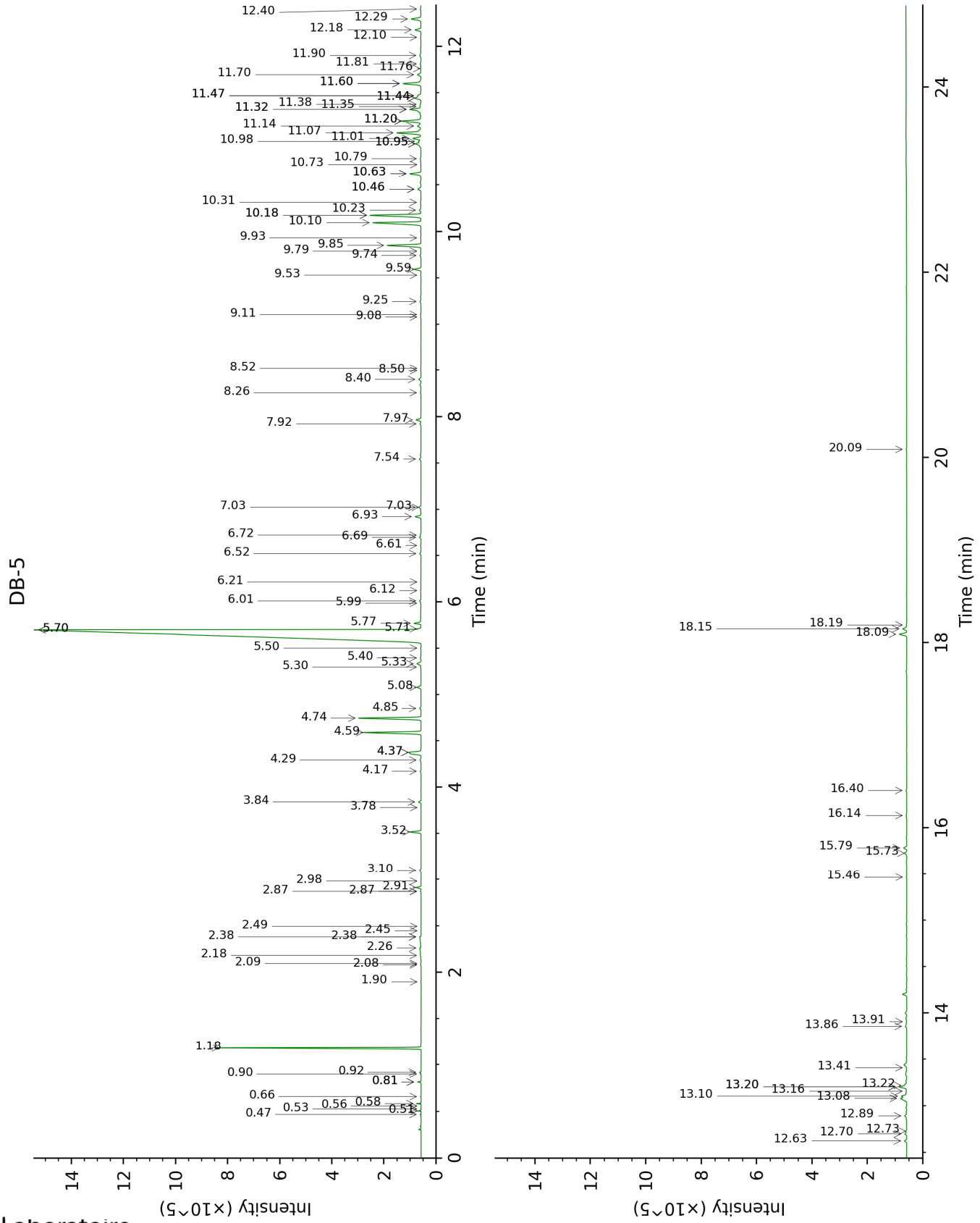


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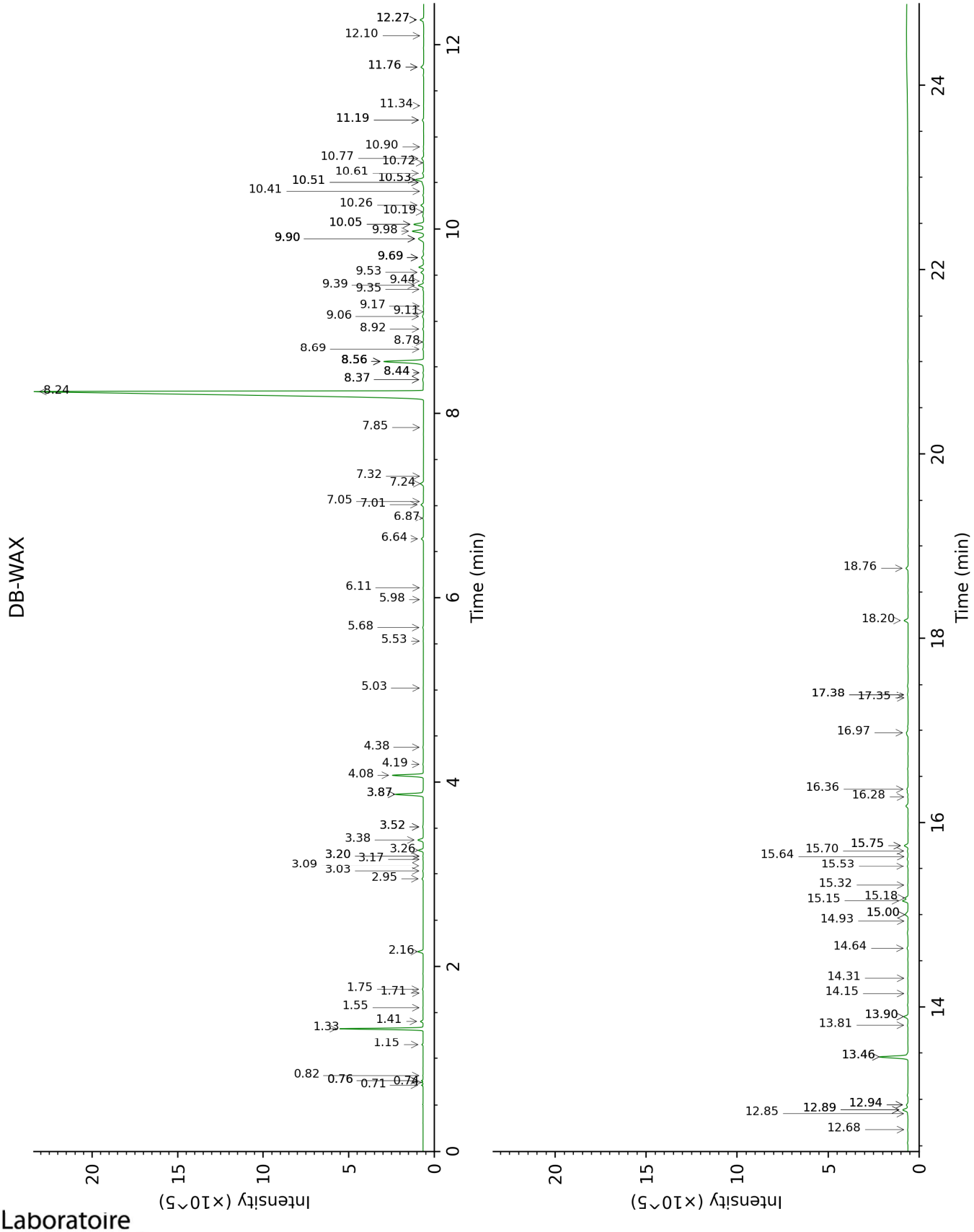
DB-WAX
Intensity (×10^5)
Time (min)
12.27
12.10
11.76
11.34
11.19
10.90
10.77
10.72
10.61
10.53
10.51
10.41
10.26
10.19
10.05
9.98
9.90
9.69
9.53
9.44
9.39
9.35
9.17
9.11
9.06
8.92
8.78
8.69
8.56
8.44
8.37
8.24
7.85
7.32
7.24
7.05
7.01
6.87
6.64
6.11
5.98
5.68
5.53
5.03
4.38
4.19
4.08
3.87
3.52
3.38
3.26
3.20
3.17
3.09
3.03
2.95
2.16
1.75
1.71
1.55
1.41
1.33
1.15
0.82
0.76
0.71
0.74
18.76
18.20
17.38
17.35
16.97
16.36
16.28
15.75
15.70
15.64
15.53
15.32
15.18
15.15
15.00
14.93
14.64
14.31
14.15
13.90
13.81
13.46
12.94
12.89
12.85
12.68

*FULL ANALYSIS DATA*

| Identification | Column DB-5 | | | Column DB-WAX | | |
|---|---|---|---|---|---|---|
| | R.T | R.I | % | R.T | R.I | % |
| 3-Methylfuran | 0.47 | 606 | 0.01 | 0.71 | 863 | 0.06 |
| Methyl propionate | 0.51 | 621 | 0.05 | 0.74 | 874 | 0.05 |
| 1,3-Cyclohexadiene | 0.53 | 629 | tr | | | |
| Isovaleral | 0.56 | 641 | tr | 0.76* | 881 | 0.07 |
| 2-Methylbutyral | 0.58 | 651 | 0.07 | 0.76* | 881 | [0.07] |
| Methyl isobutyrate | 0.66 | 680 | 0.01 | 0.82 | 896 | 0.01 |
| Methyl butyrate | 0.82* | 718 | 0.08 | 1.15 | 949 | 0.07 |
| 2-Methylbutanenitrile | 0.82* | 718 | [0.08] | | | |
| Isoamyl alcohol | 0.90 | 731 | 0.02 | 3.52* | 1178 | 0.06 |
| 2-Methylbutanol | 0.92 | 734 | 0.04 | 3.52* | 1178 | [0.06] |
| Methyl 2-methylbutyrate | 1.18 | 774 | 5.22 | 1.33 | 978 | 5.36 |
| Ethyl 2-methylbutyrate | 1.90 | 849 | 0.01 | 1.71 | 1021 | 0.01 |
| Methyl tiglate | 2.08 | 865 | 0.02 | 3.20* | 1153 | 0.03 |
| Isovaleric acid | 2.09 | 866 | 0.01 | 9.69* | 1634 | 0.24 |
| Hexanol | 2.18 | 874 | 0.07 | 5.53 | 1324 | 0.01 |
| 2-Methylbutyric acid | 2.26 | 881 | 0.15 | 9.90* | 1651 | 0.73 |
| 2-Methylhexanoic acid? | 2.38* | 892 | 0.21 | | | |
| 2-Heptanone | 2.38* | 892 | [0.21] | 3.09 | 1145 | 0.01 |
| (4*Z*)-Heptenal | 2.45 | 897 | tr | | | |
| Heptanal | 2.49 | 901 | 0.01 | 3.17 | 1150 | 0.02 |
| Methyl hexanoate | 2.87* | 927 | 0.02 | 3.20* | 1153 | [0.03] |
| α-Thujene | 2.87* | 927 | [0.02] | 1.56 | 1006 | 0.02 |
| α-Pinene | 2.91 | 930 | 0.19 | 1.41 | 991 | 0.20 |
| Methyl (3*E*)-hexenoate? | 2.98 | 935 | 0.01 | | | |
| Camphene | 3.10 | 943 | 0.06 | 1.75 | 1025 | 0.06 |
| β-Pinene | 3.52 | 971 | 0.45 | 2.16 | 1065 | 0.45 |
| 6-Methyl-5-hepten-2-one | 3.78 | 989 | 0.01 | 5.02 | 1293 | 0.01 |
| Myrcene | 3.84 | 993 | 0.11 | 2.95 | 1133 | 0.10 |
| α-Terpinene | 4.17 | 1014 | 0.04 | 3.03 | 1140 | 0.04 |
| para-Cymene | 4.29 | 1022 | 0.07 | 4.19 | 1230 | 0.04 |
| 1,8-Cineole | 4.37* | 1027 | 0.91 | 3.38 | 1167 | 0.50 |
| Limonene | 4.37* | 1027 | [0.91] | 3.26 | 1158 | 0.41 |
| (*Z*)-β-Ocimene | 4.59 | 1041 | 2.41 | 3.87* | 1206 | 2.46 |
| (*E*)-β-Ocimene | 4.74 | 1050 | 2.64 | 4.08 | 1221 | 2.63 |
| γ-Terpinene | 4.85 | 1057 | 0.06 | 3.87* | 1206 | [2.46] |
| *cis*-Linalool oxide (fur.) | 5.08 | 1072 | 0.19 | 6.64 | 1403 | 0.19 |
| Terpinolene | 5.30 | 1086 | 0.03 | 4.38 | 1244 | 0.03 |
| *trans*-Linalool oxide (fur.) | 5.34 | 1088 | 0.22 | 7.01 | 1431 | 0.24 |
| Methyl benzoate | 5.40 | 1092 | 0.04 | 8.78 | 1563 | 0.04 |

| | | | | | | |
|---|---|---|---|---|---|---|
| Rosefuran | 5.50 | 1099 | 0.02 | 6.11 | 1365 | 0.02 |
| Hotrienol | 5.70* | 1111 | 65.64 | 8.92 | 1574 | 0.08 |
| Linalool | 5.70* | 1111 | [65.64] | 8.24 | 1521 | 65.18 |
| endo-Fenchol | 5.71 | 1112 | 0.07 | 8.56* | 1546 | 4.29 |
| Phenylethyl alcohol | 5.77 | 1116 | 0.27 | 12.27* | 1850 | 0.37 |
| Methyl octanoate | 5.99 | 1129 | 0.02 | 5.98 | 1356 | 0.01 |
| allo-Ocimene | 6.01 | 1131 | 0.06 | 5.68 | 1335 | 0.05 |
| Camphor | 6.12 | 1138 | 0.01 | 7.32 | 1453 | tr |
| Camphene hydrate | 6.21 | 1144 | 0.01 | 8.56* | 1546 | [4.29] |
| Borneol | 6.52 | 1164 | 0.07 | 9.90* | 1651 | [0.73] |
| *cis*-Linalool oxide (pyr.) | 6.61 | 1169 | 0.02 | 10.41 | 1692 | 0.02 |
| Terpinen-4-ol | 6.69 | 1175 | 0.07 | 8.69 | 1556 | 0.08 |
| *trans*-Linalool oxide (pyr.) | 6.72 | 1176 | 0.04 | 10.72 | 1718 | 0.03 |
| α-Terpineol | 6.93 | 1190 | 0.26 | 9.90* | 1651 | [0.73] |
| Hodiendiol | 7.03* | 1196 | 0.10 | 12.94* | 1911 | 0.16 |
| Methylchavicol | 7.03* | 1196 | [0.10] | 9.44 | 1614 | 0.08 |
| Nerol | 7.54 | 1231 | 0.09 | 11.19* | 1757 | 0.14 |
| Phenylethyl acetate | 7.92 | 1256 | 0.06 | 11.19* | 1757 | [0.14] |
| Geraniol | 7.97 | 1259 | 0.24 | 11.76* | 1806 | 0.30 |
| Undec-(5*Z*)-en-2-one | 8.26 | 1278 | 0.04 | 9.06 | 1584 | 0.13 |
| Safrole | 8.40 | 1288 | 0.13 | 11.76* | 1806 | [0.30] |
| 1-Nitro-2-phenylethane | 8.50 | 1294 | 0.02 | 14.31 | 2038 | 0.03 |
| Indole | 8.52 | 1296 | 0.02 | 17.38* | 2350 | 0.09 |
| δ-Elemene | 9.08 | 1335 | 0.02 | 7.05 | 1433 | 0.01 |
| Methyl anthranilate | 9.11 | 1337 | 0.03 | 15.53 | 2157 | 0.08 |
| α-Cubebene | 9.25 | 1347 | 0.06 | 6.87 | 1420 | 0.05 |
| Hodiendiol derivative III | 9.53 | 1367 | 0.01 | 12.89* | 1906 | 0.57 |
| α-Copaene | 9.59 | 1371 | 0.31 | 7.24 | 1447 | 0.30 |
| *cis*-β-Elemene | 9.74 | 1382 | 0.05 | 8.44* | 1537 | 0.06 |
| β-Cubebene | 9.79 | 1385 | 0.02 | 7.85 | 1492 | 0.01 |
| β-Elemene | 9.85 | 1389 | 1.62 | 8.56* | 1546 | [4.29] |
| Phenylethyl isobutyrate | 9.93 | 1395 | 0.02 | 12.10 | 1835 | 0.01 |
| Methyleugenol | 10.10 | 1407 | 2.52 | 13.46* | 1958 | 2.64 |
| *cis*-α-Bergamotene | 10.18* | 1413 | 2.57 | 8.36* | 1531 | 0.16 |
| β-Caryophyllene | 10.18* | 1413 | [2.57] | 8.56* | 1546 | [4.29] |
| α-Santalene | 10.23 | 1417 | 0.08 | 8.36* | 1531 | [0.16] |
| β-Copaene | 10.31 | 1423 | 0.03 | 8.44* | 1537 | [0.06] |
| *trans*-α-Bergamotene | 10.46* | 1434 | 0.17 | 8.56* | 1546 | [4.29] |
| α-Guaiene | 10.46* | 1434 | [0.17] | 8.56* | 1546 | [4.29] |
| 9-epi-Isocaryophyllene | 10.63* | 1446 | 0.58 | 9.17 | 1593 | 0.04 |
| α-Humulene | 10.63* | 1446 | [0.58] | 9.39 | 1611 | 0.53 |
| allo-Aromadendrene | 10.73 | 1454 | 0.01 | 9.11 | 1588 | 0.02 |
| (*E*)-β-Farnesene | 10.79 | 1459 | 0.04 | 9.69* | 1634 | [0.24] |

| | | | | | | |
|---|---|---|---|---|---|---|
| Selina-4,11-diene | 10.95* | 1470 | 0.36 | 9.53 | 1622 | 0.27 |
| *trans*-Cadina-1(6),4-diene | 10.95* | 1470 | [0.36] | 9.35 | 1607 | 0.08 |
| γ-Muurolene | 10.98 | 1472 | 0.11 | 9.69* | 1634 | [0.24] |
| Germacrene D | 11.01 | 1475 | 0.44 | 9.90* | 1651 | [0.73] |
| β-Selinene | 11.07 | 1479 | 1.32 | 9.98 | 1657 | 1.21 |
| Phenylethyl isovalerate | 11.14 | 1485 | 0.22 | | | |
| Phenylethyl 2-methylbutyrate | 11.20* | 1489 | 1.03 | 12.94* | 1911 | [0.16] |
| α-Selinene | 11.20* | 1489 | [1.03] | 10.05* | 1663 | 0.99 |
| α-Muurolene | 11.32* | 1498 | 0.67 | 10.18 | 1674 | 0.04 |
| Methyl (*E*)-isoeugenol | 11.32* | 1498 | [0.67] | 15.15 | 2119 | 0.52 |
| Germacrene A | 11.35 | 1500 | 0.05 | 10.50* | 1700 | 0.17 |
| δ-Guaiene | 11.38 | 1502 | 0.04 | 10.05* | 1663 | [0.99] |
| β-Bisabolene | 11.44* | 1507 | 0.37 | 10.26 | 1680 | 0.26 |
| γ-Cadinene | 11.44* | 1507 | [0.37] | 10.53* | 1702 | 0.86 |
| Cubebol | 11.47* | 1509 | 0.15 | 12.68 | 1886 | 0.04 |
| (3*E*,6*E*)-α-Farnesene | 11.47* | 1509 | [0.15] | 10.61 | 1709 | 0.14 |
| *trans*-Calamenene | 11.60* | 1520 | 0.95 | 11.34 | 1770 | 0.01 |
| δ-Cadinene | 11.60* | 1520 | [0.95] | 10.53* | 1702 | [0.86] |
| *trans*-Cadina-1,4-diene | 11.70 | 1527 | 0.20 | 10.77 | 1722 | 0.21 |
| α-Cadinene | 11.76 | 1532 | 0.03 | 10.90 | 1733 | 0.02 |
| α-Calacorene | 11.81 | 1536 | 0.05 | 12.27* | 1850 | [0.37] |
| Isocaryophyllene epoxide B | 11.90 | 1543 | 0.06 | 12.27* | 1850 | [0.37] |
| Elemicin | 12.10 | 1559 | 0.03 | 15.70 | 2174 | 0.07 |
| (*E*)-Nerolidol | 12.18 | 1565 | 0.29 | 13.90* | 1998 | 0.40 |
| Caryophyllene oxide | 12.30 | 1574 | 0.52 | 12.89* | 1906 | [0.57] |
| Viridiflorol | 12.40 | 1583 | 0.04 | 14.15 | 2022 | 0.04 |
| Humulene epoxide II | 12.63 | 1600 | 0.12 | 13.46* | 1958 | [2.64] |
| Unknown [m/z 43, 81 (97), 135 (71), 95 (62), 204 (61), 71 (59), 207 (56)... 222 (3)] | 12.70 | 1606 | 0.09 | 14.64 | 2069 | 0.09 |
| Junenol | 12.73 | 1608 | 0.04 | 13.81 | 1990 | 0.06 |
| 1-epi-Cubenol | 12.89 | 1622 | 0.12 | 13.90* | 1998 | [0.40] |
| τ-Cadinol | 13.08 | 1637 | 0.41 | 15.00* | 2104 | 0.37 |
| τ-Muurolol | 13.10 | 1639 | 0.29 | 15.18 | 2122 | 0.25 |
| α-Muurolol | 13.16 | 1644 | 0.03 | 15.32 | 2136 | 0.04 |
| Selin-11-en-4α-ol | 13.20* | 1648 | 0.38 | 15.75* | 2179 | 0.37 |
| α-Cadinol | 13.20* | 1648 | [0.38] | 15.64 | 2168 | 0.01 |
| Phenylethyl hexanoate | 13.22 | 1649 | 0.09 | 15.00* | 2104 | [0.37] |
| (3*Z*)-Caryophylla-3,8(13)-dien-5β-ol | 13.41 | 1664 | 0.02 | 16.97 | 2306 | 0.30 |
| Heptadecane | 13.86 | 1702 | 0.07 | 10.50* | 1700 | [0.17] |

| | | | | | | |
|---|---|---|---|---|---|---|
| Unknown [m/z 93, 81 (90), 95 (86), 91 (83), 41 (83), 107 (81)... 220 (29), 238? (4)] | 13.91 | 1706 | 0.01 | 17.38* | 2350 | [0.09] |
| Phenylethyl octanoate | 15.46 | 1843 | 0.02 | 17.35 | 2347 | 0.02 |
| Unknown [m/z 43, 67 (85), 81 (70), 79 (53), 95 (46), 55 (39), 41 (37)...] | 15.73 | 1867 | 0.11 | 16.28 | 2234 | 0.03 |
| Unknown [m/z 79, 43 (84), 67 (55), 93 (50), 95 (41), 80 (35)...] | 15.79 | 1872 | 0.15 | 16.36 | 2242 | 0.12 |
| Nonadecane | 16.14 | 1904 | 0.05 | 12.85 | 1902 | 0.03 |
| Methyl palmitate | 16.40 | 1929 | 0.03 | 15.75* | 2179 | [0.37] |
| Methyl linoleate | 18.09 | 2094 | 0.36 | 18.20 | 2439 | 0.39 |
| Methyl α-linolenate | 18.15 | 2099 | 0.20 | 18.76 | 2503 | 0.21 |
| Heneicosane | 18.19 | 2103 | 0.02 | 14.93 | 2097 | 0.02 |
| Tricosane | 20.09 | 2304 | 0.03 | | | |
| **Total identified** | | **97.98%** | | | **97.12%** | |
| **Total reported** | | **98.35%** | | | **97.37%** | |

*: Two or more compounds are coeluting on this column
[xx]: Duplicate percentage due to coelutions, not taken into account in the consolidated total
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