

Fir Balsam

Abies balsamea canadensis

Batch No. CA-59115
 Canada

Monoterpenes 83.01%

| | |
|---------------------|-------|
| β pinene | 20.87 |
| Δ 3 carene | 17.98 |
| α pinene | 15.36 |
| limonene | 8.67 |
| camphene | 7.73 |
| β phellandrene | 4.23 |
| santene | 3.08 |
| myrcene | 1.41 |
| terpinolene | 1.39 |
| tricyclene | 1.07 |
| γ terpinene | 0.28 |
| α thujene | 0.15 |
| α phellandrene | 0.14 |
| α terpinene | 0.14 |
| para cymene | 0.13 |
| sabinene | 0.09 |
| isoterpinolene | 0.06 |
| α fenchene | 0.06 |
| para-cymenene | 0.05 |
| meta-cymene | 0.03 |
| Thuja-2,4(10)-diene | 0.03 |
| (Z)-β-Ocimene | 0.02 |
| pseudolimonene | 0.02 |
| bornylene | 0.01 |
| 2-carene | 0.01 |

Monoterpenols 2.65%

| | |
|---------------------------|------|
| borneol | 1.70 |
| α terpineol | 0.33 |
| terpinen-4-ol | 0.19 |
| camphene hydrate | 0.09 |
| thymol | 0.07 |
| trans-pinocarveol | 0.05 |
| linalool | 0.04 |
| endo-fenchol | 0.04 |
| myrtenol | 0.04 |
| Citronellol | 0.02 |
| cis-para-menth-2-en-1-ol | 0.02 |
| para-Cymen-8-ol | 0.02 |
| α phellandren-8-ol | 0.02 |
| isoborneol | 0.01 |
| meta-Mentha-4,6-dien-8-ol | 0.01 |

Ethers 0.11%

| | |
|---------------------|------|
| caryophyllene | 0.04 |
| Thymol methyl ether | 0.03 |
| humulene epoxide II | 0.03 |
| (Z)-limonene oxide | 0.01 |

Aldehydes 0.16%

| | |
|---------------|------|
| γ campholenal | 0.06 |
| α-Campholenal | 0.03 |
| phellandral | 0.03 |
| myrtenal | 0.02 |
| palustral | 0.01 |
| abietal | 0.01 |

Ketones 1.07%

| | |
|-----------------|------|
| piperitone | 0.45 |
| camphor | 0.39 |
| fenchone | 0.08 |
| isopinocamphone | 0.06 |
| pinocarvone | 0.02 |
| 2-Undecanone | 0.02 |
| pinocamphone | 0.02 |
| verbenone | 0.01 |
| cryptone | 0.01 |
| α thujone | 0.01 |

Esters 9.33%

| | |
|--------------------------|------|
| bornyl acetate | 9.19 |
| citronellyl acetate | 0.04 |
| geranyl acetate | 0.03 |
| endo-Fenchyl acetate | 0.03 |
| isobornyl acetate | 0.02 |
| myrtenyl acetate | 0.01 |
| isoamyl 2-methylbutyrate | 0.01 |

Phenols 0.01%

| | |
|---------------|------|
| methyleugenol | 0.01 |
|---------------|------|

Sesquiterpenes 2.66%

| | |
|--------------------------|------|
| β caryophyllene | 0.65 |
| β bisabolene | 0.63 |
| longifolene | 0.33 |
| α humulene | 0.33 |
| α longipinene | 0.08 |
| (E)-α bisabolene | 0.08 |
| β himachalene | 0.07 |
| (E)-β-Farnesene | 0.05 |
| β selinene | 0.04 |
| trans β bergamotene | 0.04 |
| δ amorphene | 0.04 |
| trans-α bergamotene | 0.03 |
| δ cadinene | 0.03 |
| α selinene | 0.03 |
| (Z)-α-Bisabolene | 0.02 |
| α muuronlene | 0.02 |
| germacrene D | 0.02 |
| α copaene | 0.02 |
| β longipnene | 0.02 |
| γ muurolene | 0.02 |
| α-Calacorene | 0.02 |
| longicyclene | 0.02 |
| α Ylangene | 0.02 |
| (E)-γ-Bisabolene | 0.01 |
| cis calamenene | 0.01 |
| γ-Dehydro-ar-himachalene | 0.01 |
| β bourbonene | 0.01 |
| α himachalene | 0.01 |

Sesquiterpenols 0.07%

| | |
|---------------|------|
| (E)-Nerolidol | 0.07 |
|---------------|------|

Other 0.31%

| | |
|----------------------------|------|
| unknown | 0.10 |
| (3Z)-Hexenol | 0.02 |
| Hexanol | 0.01 |
| trachylobane | 0.03 |
| 18-norabeta-8,11,13-triene | 0.02 |
| ar-abietatriene | 0.02 |
| 7,13 abietadiene | 0.01 |
| (Z) abienol | 0.10 |

Date : May 26, 2020

CERTIFICATE OF ANALYSIS – GC PROFILING

SAMPLE IDENTIFICATION

Customer identification : Sapin Baumier - Abies Balsamea - Canada - BABBACAN04U2C

Type : Essential oil

Source : *Abies balsamea* ct. Eastern / Low thymol

Customer : Nature's Gift

ANALYSIS

Method: PC-MAT-007 - Analysis of the composition of an essential oil or other volatile liquide by FAST GC-FID (in French); identifications validated by GC-MS.

Analyst : Sylvain Mercier, M. Sc., Chimiste

Analysis date : May 19, 2020

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.

*P*HYSICOCHEMICAL DATA

Physical aspect: Clear liquid

Refractive index: 1.4735 ± 0.0003 (20 °C; method PC-MAT-016)

*C*ONCLUSION

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 |
| Toluene | tr | Simple phenolic |
| Hexanal | tr | Aliphatic aldehyde |
| Octane | tr | Alkane |
| (3Z)-Hexenol | 0.02 | Aliphatic alcohol |
| Hexanol | 0.01 | Aliphatic alcohol |
| Santene | 3.08 | Normonoterpene |
| Unknown | 0.01 | Normonoterpene |
| Bornylene | 0.01 | Monoterpene |
| Tricyclene | 1.07 | Monoterpene |
| α-Thujene | 0.15 | Monoterpene |
| α-Pinene | 15.36 | Monoterpene |
| α-Fenchene | 0.06 | Monoterpene |
| Camphene | 7.73 | Monoterpene |
| Thuja-2,4(10)-diene | 0.03 | Monoterpene |
| meta-Cymene | 0.03 | Monoterpene |
| β-Pinene | 20.87 | Monoterpene |
| Sabinene | 0.09 | Monoterpene |
| Unknown | 0.01 | Monoterpene |
| Myrcene | 1.41 | Monoterpene |
| 2-Carene | 0.01 | Monoterpene |
| α-Phellandrene | 0.14 | Monoterpene |
| Pseudolimonene | 0.02 | Monoterpene |
| Δ3-Carene | 17.98 | Monoterpene |
| α-Terpinene | 0.14 | Monoterpene |
| Carvomenthene | tr | Aliphatic alcohol |
| ortho-Cymene | tr | Monoterpene |
| para-Cymene | 0.13 | Monoterpene |
| Limonene | 8.67 | Monoterpene |
| β-Phellandrene | 4.23 | Monoterpene |
| (Z)-β-Ocimene | 0.02 | Monoterpene |
| γ-Terpinene | 0.28 | Monoterpene |
| Unknown | 0.01 | Oxygenated monoterpene |
| Fenchone | 0.08 | Monoterpenic ketone |
| Isoterpinolene | 0.06 | Monoterpene |
| γ-Campholenal | 0.06 | Aliphatic alcohol |
| Terpinolene | 1.39 | Monoterpene |
| para-Cymenene | 0.05 | Monoterpene |
| Unknown | tr | Unknown |
| Linalool | 0.04 | Monoterpenic alcohol |
| α-Thujone | 0.01 | Monoterpenic ketone |
| Isoamyl 2-methylbutyrate | 0.01 | Aliphatic ester |
| endo-Fenchol | 0.04 | Monoterpenic alcohol |
| cis-para-Menth-2-en-1-ol | 0.02 | Monoterpenic alcohol |
| α-Campholenal | 0.03 | Monoterpenic aldehyde |

| | | |
|------------------------------|------|------------------------|
| Nopinone | tr | Normonoterpenic ketone |
| cis-Limonene oxide | 0.01 | Monoterpenic ether |
| trans-Pinocarveol | 0.05 | Monoterpenic alcohol |
| Camphor | 0.39 | Monoterpenic ketone |
| Camphene hydrate | 0.09 | Monoterpenic alcohol |
| meta-Mentha-4,6-dien-8-ol | 0.01 | Monoterpenic alcohol |
| Isoborneol | 0.01 | Monoterpenic alcohol |
| Pinocamphone | 0.02 | Monoterpenic ketone |
| Pinocarvone | 0.02 | Monoterpenic ketone |
| Borneol | 1.70 | Monoterpenic alcohol |
| α -Phellandren-8-ol | 0.02 | Monoterpenic alcohol |
| Isopinocamphone | 0.06 | Monoterpenic ketone |
| Terpinen-4-ol | 0.19 | Monoterpenic alcohol |
| Cryptone | 0.01 | Normonoterpenic ketone |
| para-Cymen-8-ol | 0.02 | Monoterpenic alcohol |
| α -Terpineol | 0.33 | Monoterpenic alcohol |
| Myrtenal | 0.02 | Monoterpenic aldehyde |
| Myrtenol | 0.04 | Monoterpenic alcohol |
| Unknown | 0.04 | Unknown |
| Verbenone | 0.01 | Monoterpenic ketone |
| endo-Fenchyl acetate | 0.03 | Monoterpenic ester |
| Thymol methyl ether | 0.03 | Monoterpenic ether |
| Citronellol | 0.02 | Monoterpenic alcohol |
| Piperitone | 0.45 | Monoterpenic ketone |
| Phellandral | 0.03 | Monoterpenic aldehyde |
| Bornyl acetate | 9.19 | Monoterpenic ester |
| Isobornyl acetate | 0.02 | Monoterpenic ester |
| 2-Undecanone | 0.02 | Aliphatic ketone |
| Thymol | 0.07 | Monoterpenic alcohol |
| Myrtenyl acetate | 0.01 | Monoterpenic ester |
| Unknown | 0.03 | Unknown |
| α -Longipinene | 0.08 | Sesquiterpene |
| Citronellyl acetate | 0.04 | Monoterpenic ester |
| Longicyclene | 0.02 | Sesquiterpene |
| α -Ylangene | 0.02 | Sesquiterpene |
| α -Copaene | 0.02 | Sesquiterpene |
| β -Bourbonene | 0.01 | Sesquiterpene |
| Geranyl acetate | 0.03 | Monoterpenic ester |
| Sativene | 0.01 | Sesquiterpene |
| β -Longipinene | 0.02 | Sesquiterpene |
| Longifolene | 0.33 | Sesquiterpene |
| Methyleugenol | 0.01 | Phenylpropanoid |
| β -Caryophyllene | 0.65 | Sesquiterpene |
| trans- α -Bergamotene | 0.03 | Sesquiterpene |
| α -Himachalene | 0.01 | Sesquiterpene |
| α -Humulene | 0.33 | Sesquiterpene |
| (E)- β -Farnesene | 0.05 | Sesquiterpene |
| γ -Murolene | 0.02 | Sesquiterpene |
| Germacrene D | 0.02 | Sesquiterpene |
| β -Selinene | 0.04 | Sesquiterpene |
| trans- β -Bergamotene | 0.04 | Sesquiterpene |
| α -Selinene | 0.03 | Sesquiterpene |

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|----------------------------------|---------------|------------------------|
| β -Himachalene | 0.07 | Sesquiterpene |
| α -Muurolene | 0.02 | Sesquiterpene |
| δ -Amorphene | 0.04 | Sesquiterpene |
| (Z)- α -Bisabolene | 0.02 | Sesquiterpene |
| β -Bisabolene | 0.63 | Sesquiterpene |
| δ -Cadinene | 0.03 | Sesquiterpene |
| γ -Dehydro-ar-himachalene | 0.01 | Sesquiterpene |
| cis-Calamenene? | 0.01 | Sesquiterpene |
| (E)- γ -Bisabolene | 0.01 | Sesquiterpene |
| α -Calacorene | 0.02 | Sesquiterpene |
| (E)- α -Bisabolene | 0.08 | Sesquiterpene |
| (E)-Nerolidol | 0.07 | Sesquiterpenic alcohol |
| Caryophyllene oxide | 0.04 | Sesquiterpenic ether |
| Humulene epoxide II | 0.03 | Sesquiterpenic ether |
| Trachylobane? | 0.03 | Diterpene |
| 18-Norabiet-8,11,13-triene? | 0.02 | Norditerpene |
| ar-Abietatriene | 0.02 | Diterpene |
| 7,13-Abietadiene | 0.01 | Diterpene |
| (Z)-Abienol | 0.10 | Diterpenic alcohol |
| Palustral | 0.01 | Diterpenic aldehyde |
| Abietal | 0.01 | Diterpenic aldehyde |
| Consolidated total | 99.45% | |

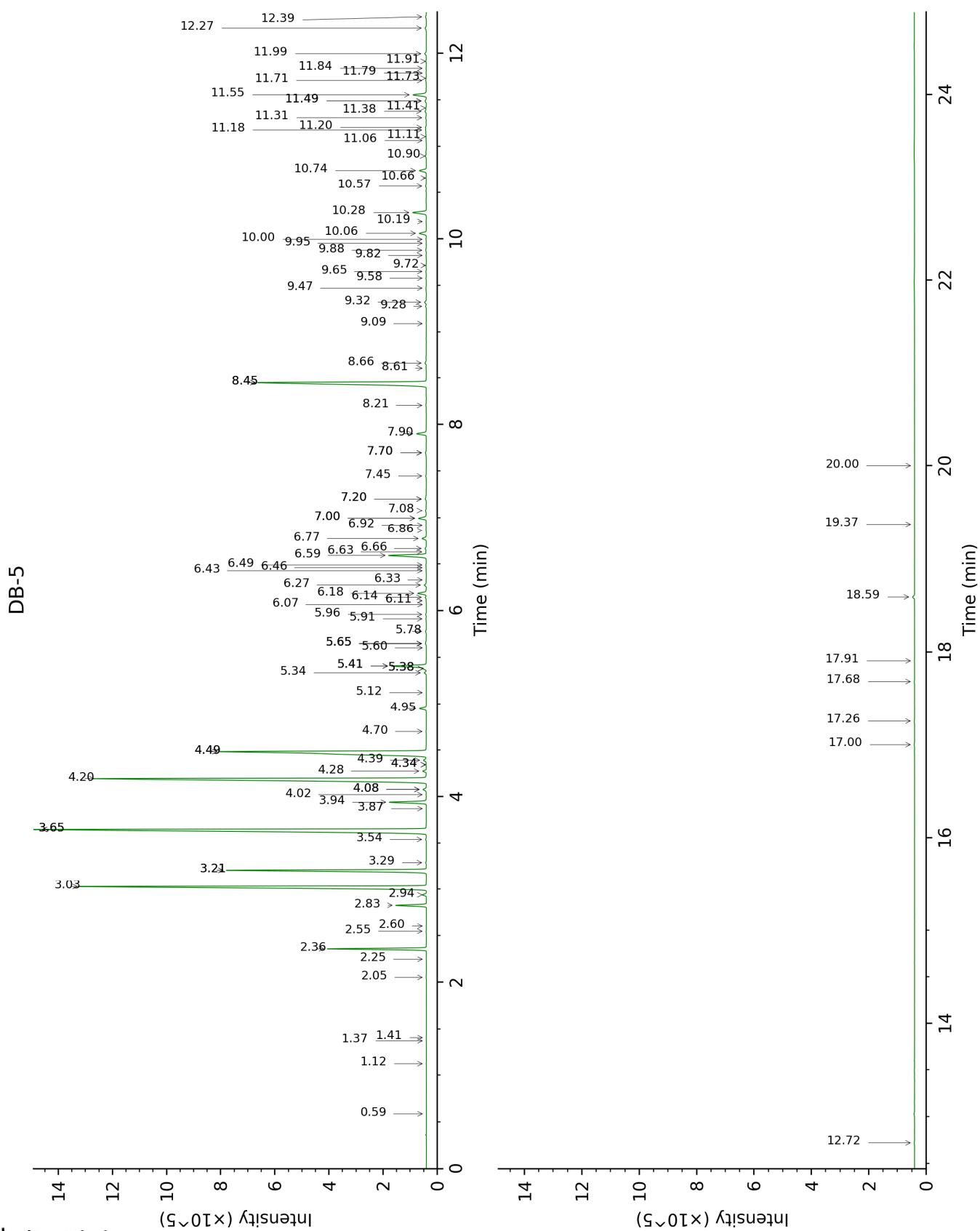
tr: The compound has been detected below 0.005% of total signal.

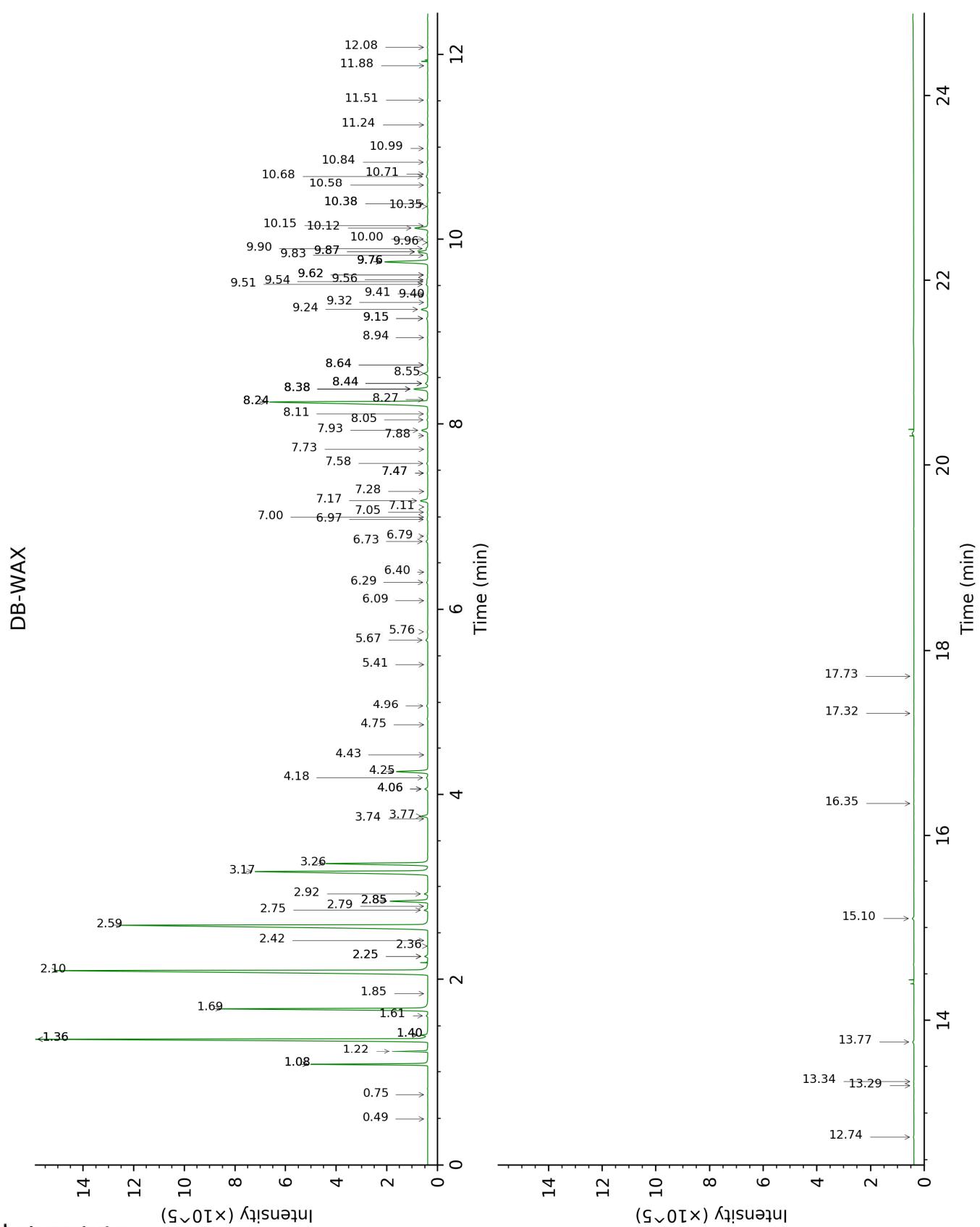
Note: no correction factor was applied

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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FULL ANALYSIS DATA

| Identification | Column DB-5 | | | Column DB-WAX | | |
|---|-------------|------|---------|---------------|------|---------|
| | R.T | R.I | % | R.T | R.I | % |
| Isovaleral | 0.59 | 640 | tr | 0.75 | 889 | 0.01 |
| Toluene | 1.12 | 762 | tr | 1.36*† | 992 | 15.44 |
| Hexanal | 1.37 | 798 | tr | 1.85 | 1042 | 0.01 |
| Octane | 1.41 | 802 | tr | 0.49 | 787 | tr |
| (3Z)-Hexenol | 2.05 | 858 | 0.02 | 5.76 | 1345 | 0.03 |
| Hexanol | 2.25 | 874 | 0.01 | 5.41 | 1320 | 0.01 |
| Santene | 2.36 | 883 | 3.08 | 1.08* | 947 | 3.07 |
| Unknown [m/z 79, 93 (66), 94 (52), 91 (39), 77 (37), 122 (31)] | 2.55 | 898 | 0.01 | 1.40*† | 998 | [15.44] |
| Bornylene | 2.60 | 903 | 0.01 | 1.08* | 947 | [3.07] |
| Tricyclene | 2.83 | 918 | 1.07 | 1.22 | 970 | 1.07 |
| α-Thujene | 2.94 | 925 | 0.15 | 1.40*† | 998 | [15.44] |
| α-Pinene | 3.03 | 931 | 15.36 | 1.36*† | 992 | [15.44] |
| α-Fenchene | 3.21* | 943 | 7.81 | 1.61 | 1019 | 0.06 |
| Camphene | 3.21* | 943 | [7.81] | 1.68 | 1026 | 7.73 |
| Thuja-2,4(10)-diene | 3.29 | 948 | 0.03 | 2.25* | 1082 | 0.12 |
| meta-Cymene | 3.54 | 965 | 0.03 | 2.84* | 1132 | 1.45 |
| β-Pinene | 3.65* | 972 | 21.04 | 2.10 | 1067 | 20.87 |
| Sabinene | 3.65* | 972 | [21.04] | 2.25* | 1082 | [0.12] |
| Unknown [m/z 91, 119 (65), 109 (51), 134 (47)] | 3.87 | 987 | 0.01 | | | |
| Myrcene | 3.94 | 992 | 1.41 | 2.84* | 1132 | [1.45] |
| 2-Carene | 4.02 | 997 | 0.01 | 2.36 | 1093 | 0.01 |
| α-Phellandrene | 4.08* | 1000 | 0.16 | 2.75 | 1124 | 0.14 |
| Pseudolimonene | 4.08* | 1000 | [0.16] | 2.79 | 1127 | 0.02 |
| Δ3-Carene | 4.20 | 1008 | 17.98 | 2.59 | 1111 | 17.89 |
| α-Terpinene | 4.28 | 1013 | 0.14 | 2.92 | 1138 | 0.14 |
| Carvomenthene | 4.34* | 1017 | 0.01 | 2.42 | 1098 | tr |
| ortho-Cymene | 4.34* | 1017 | [0.01] | 4.06* | 1225 | 0.14 |
| para-Cymene | 4.39 | 1020 | 0.13 | 4.06* | 1225 | [0.14] |
| Limonene | 4.48* | 1026 | 12.92 | 3.17 | 1157 | 8.67 |
| β-Phellandrene | 4.48* | 1026 | [12.92] | 3.26 | 1164 | 4.23 |
| (Z)-β-Ocimene | 4.70 | 1040 | 0.02 | 3.74† | 1202 | 0.30 |
| γ-Terpinene | 4.95 | 1055 | 0.28 | 3.77† | 1204 | [0.30] |
| Unknown [m/z 79, 93 (60), 43 (40), 94 (35), 137 (33), 77 (26), 91 (20), 152 (18)] | 5.12 | 1066 | 0.01 | 4.75 | 1276 | 0.01 |
| Fenchone | 5.34 | 1080 | 0.08 | 5.67 | 1339 | 0.10 |
| Isoterpinolene | 5.38* | 1083 | 0.08 | 4.18 | 1234 | 0.06 |
| γ-Campholenal | 5.38* | 1083 | [0.08] | 4.96 | 1291 | 0.06 |
| Terpinolene | 5.41* | 1084 | 1.44 | 4.25 | 1239 | 1.39 |
| para-Cymenene | 5.41* | 1084 | [1.44] | 6.29 | 1384 | 0.05 |

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|--|--------|------|--------|-------|------|--------|
| Unknown [m/z 79, 94 (87), 77 (25), 91 (21), 93 (16), 95 (12), 138 (8)] | 5.60 | 1097 | tr | | | |
| Linalool | 5.65*† | 1100 | 0.06 | 8.05 | 1515 | 0.04 |
| α-Thujone | 5.65*† | 1100 | [0.06] | 6.09 | 1370 | 0.01 |
| Isoamyl 2-methylbutyrate | 5.65*† | 1100 | [0.06] | 4.43 | 1252 | 0.01 |
| endo-Fenchol | 5.78 | 1108 | 0.04 | 8.38* | 1540 | 0.70 |
| cis-para-Menth-2-en-1-ol | 5.91 | 1117 | 0.02 | 8.11 | 1520 | 0.03 |
| α-Campholenal | 5.96 | 1120 | 0.03 | 6.97 | 1434 | 0.03 |
| Nopinone | 6.06 | 1127 | tr | 8.24* | 1530 | 9.23 |
| cis-Limonene oxide | 6.11 | 1129 | 0.01 | 6.40 | 1392 | 0.01 |
| trans-Pinocarveol | 6.14 | 1132 | 0.05 | 9.15* | 1600 | 0.07 |
| Camphor | 6.18 | 1134 | 0.39 | 7.18 | 1449 | 0.38 |
| Camphene hydrate | 6.27 | 1140 | 0.09 | 8.44* | 1545 | 0.14 |
| meta-Mentha-4,6-dien-8-ol | 6.33 | 1144 | 0.01 | 9.32 | 1614 | 0.02 |
| Isoborneol | 6.43 | 1150 | 0.01 | 9.41 | 1622 | 0.01 |
| Pinocamphone | 6.46 | 1152 | 0.02 | 7.28 | 1456 | tr |
| Pinocarvone | 6.49 | 1154 | 0.02 | 7.88 | 1501 | 0.02 |
| Borneol | 6.59 | 1161 | 1.70 | 9.76* | 1649 | 2.11 |
| α-Phellandren-8-ol | 6.63 | 1163 | 0.02 | 10.15 | 1681 | 0.02 |
| Isopinocamphone | 6.66 | 1166 | 0.06 | 7.58 | 1479 | 0.06 |
| Terpinen-4-ol | 6.77 | 1173 | 0.19 | 8.55 | 1553 | 0.17 |
| Cryptone | 6.86 | 1178 | 0.01 | 9.15* | 1600 | [0.07] |
| para-Cymen-8-ol | 6.92 | 1182 | 0.02 | 11.51 | 1795 | 0.02 |
| α-Terpineol | 7.00* | 1187 | 0.37 | 9.76* | 1649 | [2.11] |
| Myrtenal | 7.00* | 1187 | [0.37] | 8.64* | 1560 | 0.04 |
| Myrtenol | 7.08 | 1193 | 0.04 | 10.84 | 1739 | 0.04 |
| Unknown [m/z 93, 121 (98), 79 (64), 91 (41), 77 (35), 124 (24)...] | 7.20* | 1201 | 0.07 | 10.99 | 1751 | 0.04 |
| Verbenone | 7.20* | 1201 | [0.07] | 9.62* | 1638 | 0.03 |
| endo-Fenchyl acetate | 7.45 | 1218 | 0.03 | 6.78 | 1420 | 0.03 |
| Thymol methyl ether | 7.70* | 1235 | 0.06 | 8.44* | 1545 | [0.14] |
| Citronellol | 7.70* | 1235 | [0.06] | 10.71 | 1728 | 0.02 |
| Piperitone | 7.90 | 1249 | 0.45 | 9.87* | 1658 | 0.48 |
| Phellandral | 8.21 | 1270 | 0.03 | 9.96 | 1666 | 0.01 |
| Bornyl acetate | 8.45* | 1287 | 9.21 | 8.24* | 1530 | [9.23] |
| Isobornyl acetate | 8.45* | 1287 | [9.21] | 8.26 | 1532 | 0.02 |
| 2-Undecanone | 8.60 | 1298 | 0.02 | 8.64* | 1560 | [0.04] |
| Thymol | 8.66 | 1301 | 0.07 | 15.10 | 2128 | 0.08 |
| Myrtenyl acetate | 9.09 | 1327 | 0.01 | 9.62* | 1638 | [0.03] |

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|---|--------|------|--------|--------|------|--------|
| Unknown [m/z 121, 93 (84), 43 (81), 79 (48), 117 (40), 56 (37)...] | 9.28 | 1340 | 0.03 | | | |
| α-Longipinene | 9.32 | 1343 | 0.08 | 6.73 | 1416 | 0.09 |
| Citronellyl acetate | 9.47 | 1354 | 0.04 | 9.40 | 1620 | 0.03 |
| Longicyclene | 9.58 | 1361 | 0.02 | 7.05 | 1440 | 0.02 |
| α-Ylangene | 9.65 | 1366 | 0.02 | 7.00 | 1436 | 0.02 |
| α-Copaene | 9.72 | 1371 | 0.02 | 7.11 | 1444 | 0.01 |
| β-Bourbonene | 9.82 | 1378 | 0.01 | 7.47* | 1471 | 0.02 |
| Geranyl acetate | 9.88 | 1382 | 0.03 | 10.58 | 1717 | 0.02 |
| Sativene | 9.95 | 1387 | 0.01 | 7.47* | 1471 | [0.02] |
| β-Longipinene | 10.00 | 1390 | 0.02 | 7.73 | 1490 | 0.01 |
| Longifolene | 10.06 | 1395 | 0.33 | 7.93 | 1506 | 0.35 |
| Methyleugenol | 10.19 | 1404 | 0.01 | 13.29 | 1956 | 0.02 |
| β-Caryophyllene | 10.28 | 1411 | 0.65 | 8.38* | 1540 | [0.70] |
| <i>trans</i> -α-Bergamotene | 10.57 | 1432 | 0.03 | 8.38* | 1540 | [0.70] |
| α-Himachalene | 10.66 | 1439 | 0.01 | 8.94 | 1584 | 0.02 |
| α-Humulene | 10.74 | 1445 | 0.33 | 9.24 | 1608 | 0.34 |
| (E)-β-Farnesene | 10.90 | 1457 | 0.05 | 9.54 | 1632 | 0.05 |
| γ-Murolene | 11.06 | 1469 | 0.02 | 9.56 | 1634 | 0.04 |
| Germacrene D | 11.11 | 1472 | 0.02 | 9.76* | 1649 | [2.11] |
| β-Selinene | 11.18 | 1478 | 0.04 | 9.83 | 1655 | 0.04 |
| <i>trans</i> -β-Bergamotene | 11.20 | 1480 | 0.04 | 9.51 | 1630 | 0.08 |
| α-Selinene | 11.31 | 1488 | 0.03 | 9.90 | 1661 | 0.08 |
| β-Himachalene | 11.38 | 1493 | 0.07 | 9.76* | 1649 | [2.11] |
| α-Murolene | 11.41 | 1495 | 0.02 | 10.00 | 1669 | 0.04 |
| δ-Amorphene | 11.49* | 1501 | 0.06 | 9.87* | 1658 | [0.48] |
| (Z)-α-Bisabolene | 11.49* | 1501 | [0.06] | 10.35 | 1698 | 0.02 |
| β-Bisabolene | 11.55 | 1506 | 0.63 | 10.12 | 1679 | 0.65 |
| δ-Cadinene | 11.71 | 1518 | 0.03 | 10.38* | 1700 | 0.03 |
| γ-Dehydro-α-himachalene | 11.73 | 1520 | 0.01 | 11.88 | 1828 | tr |
| <i>cis</i> -Calamenene? | 11.79 | 1524 | 0.01 | 11.24 | 1773 | 0.01 |
| (E)-γ-Bisabolene | 11.84 | 1528 | 0.01 | 10.38* | 1700 | [0.03] |
| α-Calacorene | 11.91 | 1534 | 0.02 | 12.08 | 1846 | 0.02 |
| (E)-α-Bisabolene | 12.00 | 1541 | 0.08 | 10.68 | 1726 | 0.08 |
| (E)-Nerolidol | 12.27 | 1562 | 0.07 | 13.77 | 2000 | 0.07 |
| Caryophyllene oxide | 12.39 | 1572 | 0.04 | 12.74 | 1905 | 0.03 |
| Humulene epoxide II | 12.72 | 1598 | 0.03 | 13.34 | 1960 | 0.01 |
| Trachylobane? | 17.00 | 1975 | 0.03 | 16.35 | 2255 | 0.01 |
| 18-Norabietatriene-8,11,13-triene? | 17.26 | 1999 | 0.02 | | | |
| ar-Abietatriene | 17.68 | 2042 | 0.02 | 17.72 | 2402 | 0.02 |
| 7,13-Abietadiene | 17.91 | 2064 | 0.01 | 17.32 | 2358 | 0.01 |
| (Z)-Abienol | 18.59 | 2133 | 0.10 | | | |
| Palustral | 19.37 | 2215 | 0.01 | | | |
| Abietal | 20.00 | 2283 | 0.01 | | | |

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| | | |
|-------------------------|---------------|---------------|
| Total identified | 99.50% | 99.16% |
| Total reported | 99.57% | 99.20% |

*: Two or more compounds are coeluting on this column

[xx]: Duplicate percentage due to coelutions, not 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