**Date :** 2024-08-22

# *Certificate of Analysis - GC Profiling*

## *Sample Identification*

**Internal code :** 24H09-PTH02
**Customer Identification :** German Chamomile - Hungary - C80107R
**Type :** Essential Oil
**Source :** *Matricaria chamomilla*
**Customer :** Plant Therapy

Checked an 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*Notes: This report may not be published, including online, without the written consent from Laboratoire PhytoChemia.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.*



Méthode certifiée ISO 17025:2017 Certified method

Laboratoire PhytoChemia

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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 :** 2024-08-22

## *Physicochemical data*

**Refractive index :** 1.5004 ± 0.0003 (20 °C)
**Method :** PC-MAT-016 - Measure of the refractive index of a liquid.
**Analyst :** Cindy Caron B. Sc.
**Date :** 2024-08-09

## *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 |
|---|---|---|
| α-Pinene | 0.01 | Monoterpene |
| β-Pinene | 0.01 | Monoterpene |
| 6-Methyl-5-hepten-2-one | 0.01 | Aliphatic ketone |
| 2-Pentylfuran | 0.01 | Furan |
| α-Phellandrene | 0.01 | Monoterpene |
| *para*-Cymene | 0.01 | Monoterpene |
| Limonene | tr | Monoterpene |
| 1,8-Cineole | 0.01 | Monoterpenic ether |
| (*Z*)-β-Ocimene | 0.01 | Monoterpene |
| (*E*)-β-Ocimene | 0.05 | Monoterpene |
| γ-Terpinene | 0.01 | Monoterpene |
| Artemisia ketone | 0.04 | Monoterpenic ketone |
| Artemisia alcohol | 0.02 | Monoterpenic alcohol |
| *cis*-Chrysanthemol | 0.01 | Monoterpenic alcohol |
| Artemisyl acetate | 0.01 | Monoterpenic ester |
| Terpinen-4-ol | 0.02 | Monoterpenic alcohol |
| α-Terpineol | 0.02 | Monoterpenic alcohol |
| Safranal | 0.01 | Monoterpenic aldehyde |
| (3*Z*)-Hexenyl isovalerate | 0.04 | Aliphatic ester |
| Carvone | 0.02 | Monoterpenic ketone |
| Hexyl isovalerate | 0.02 | Aliphatic ester |
| Geraniol | 0.01 | Monoterpenic alcohol |
| (*E*)-4,8-Dimethylnona-3,8-dien-2-one | 0.08 | Terpenic ketone |
| Thymol | 0.02 | Monoterpenic alcohol |
| (2*E*,4*E*)-Decadienal | 0.02 | Aliphatic aldehyde |
| Bicycloelemene | 0.05 | Sesquiterpene |
| δ-Elemene isomer | 0.01 | Sesquiterpene |
| 7βH-Silphiperfol-5-ene | 0.01 | Sesquiterpene |
| δ-Elemene | 0.03 | Sesquiterpene |
| Silphin-1-ene | tr | Sesquiterpene |
| α-Longipinene | 0.03 | Sesquiterpene |
| Dehydro-ar-ionene | 0.01 | Miscellaneous |
| Eugenol | 0.01 | Phenylpropanoid |
| α-Copaene | 0.03 | Sesquiterpene |
| Modhephene | 0.07 | Sesquiterpene |
| α-Isocomene | 0.24 | Sesquiterpene |
| Capric acid | 0.14 | Aliphatic acid |
| β-Elemene | 0.03 | Sesquiterpene |
| (*Z*)-Jasmone | 0.03 | Jasmonate |
| β-Isocomene | 0.05 | Sesquiterpene |

| | | |
|---|---|---|
| Isocaryophyllene | 0.04 | Sesquiterpene |
| β-Caryophyllene | 0.18 | Sesquiterpene |
| β-Copaene | 0.02 | Sesquiterpene |
| α-Maaliene | 0.01 | Sesquiterpene |
| Aromadendrene | 0.10 | Sesquiterpene |
| Striatene? | 0.01 | Sesquiterpene |
| α-Humulene | 0.06 | Sesquiterpene |
| allo-Aromadendrene | 0.10 | Sesquiterpene |
| (*E*)-β-Farnesene | 32.05 | Sesquiterpene |
| Dehydrosesquicineole | 0.20 | Sesquiterpenic ether |
| Germacrene D | 1.85 | Sesquiterpene |
| β-Selinene | 0.15 | Sesquiterpene |
| ar-Curcumene | 0.06 | Sesquiterpene |
| Viridiflorene | 0.15 | Sesquiterpene |
| Bicyclogermacrene | 1.38 | Sesquiterpene |
| epi-Cubebol | 0.01 | Sesquiterpenic alcohol |
| α-Zingiberene | 0.09 | Sesquiterpene |
| (3*Z*,6*E*)-α-Farnesene | 0.34 | Sesquiterpene |
| α-Muurolene | 0.06 | Sesquiterpene |
| γ-Cadinene | 0.01 | Sesquiterpene |
| β-Bisabolene | 0.10 | Sesquiterpene |
| Cubebol | 0.03 | Sesquiterpenic alcohol |
| (3*E*,6*E*)-α-Farnesene | 3.19 | Sesquiterpene |
| 3,6-Dihydrochamazulene | 0.04 | Azulene |
| Dihydrochamazulene isomer I | 0.03 | Azulene |
| δ-Cadinene | 0.19 | Sesquiterpene |
| β-Sesquiphellandrene | 0.06 | Sesquiterpene |
| (2*Z*?,8*Z*?)-Matricaria ester | 0.04 | Polyyne ester |
| Unknown | 0.03 | Oxygenated sesquiterpene |
| α-Cadinene | 0.04 | Sesquiterpene |
| (*E*)-α-Bisabolene | 0.04 | Sesquiterpene |
| Salviadienol? | 0.04 | Sesquiterpenic alcohol |
| Sesquirosefuran? | 0.03 | Sesquiterpenic ether |
| (*E*)-Nerolidol | 0.28 | Sesquiterpenic alcohol |
| Spathulenol | 0.89 | Sesquiterpenic alcohol |
| Dendrolasin | 0.17 | Sesquiterpenic ether |
| Caryophyllene oxide | 0.03 | Sesquiterpenic ether |
| Globulol | 0.08 | Sesquiterpenic alcohol |
| Salvial-4(14)-en-1-one | 0.02 | Aliphatic alcohol |
| Viridiflorol | 0.06 | Sesquiterpenic alcohol |
| Ledol | 0.11 | Sesquiterpenic alcohol |
| 5,6-Dihydrochamazulene | 0.14 | Azulene |
| (2,7*Z*)-Bisaboladien-4-ol | 0.14 | Sesquiterpenic alcohol |
| Unknown | 0.08 | Unknown |
| τ-Cadinol | 0.05 | Sesquiterpenic alcohol |

| | | |
|---|---|---|
| τ-Muurolol | 0.05 | Sesquiterpenic alcohol |
| Unknown | 0.19 | Unknown |
| α-Bisabolol oxide B, epimer 2 | 0.12 | Sesquiterpenic alcohol |
| α-Eudesmol | 0.56 | Sesquiterpenic alcohol |
| α-Bisabolol oxide B, epimer 1 | 4.06 | Sesquiterpenic alcohol |
| Ageratochromene | 0.05 | Chromane |
| β-Bisabolol | 0.08 | Sesquiterpenic alcohol |
| (*E*)-Bisabol-11-ol | 0.45 | Sesquiterpenic alcohol |
| α-Bisabolol analog | 0.07 | Sesquiterpenic alcohol |
| Bisabolone oxide A | 2.13 | Sesquiterpenic ketone |
| α-Bisabolol | 37.14 | Sesquiterpenic alcohol |
| (2*E*,6*Z*)-Farnesol | 0.22 | Sesquiterpenic alcohol |
| Herniarin | 0.04 | Coumarin |
| Chamazulene | 2.41 | Azulene |
| α-Bisabolol oxide A | 3.19 | Sesquiterpenic alcohol |
| Bisabolol oxide, epimer I | 0.02 | Sesquiterpenic alcohol |
| Benzyl benzoate | 0.05 | Phenolic ester |
| Bisabolol oxide, epimer II | 0.04 | Sesquiterpenic alcohol |
| Bisabolol oxide, epimer III | 0.03 | Sesquiterpenic alcohol |
| Myristic acid | 0.10 | Aliphatic acid |
| Phytone | 0.24 | Terpenic ketone |
| (*Z*)-Spiroether | 1.04 | Polyyne |
| (*E*)-Spiroether | 0.10 | Polyyne |
| (*Z*)-Tibetin spiroether | 0.03 | Polyyne |
| (*E*)-Tibetin spiroether | 0.05 | Polyyne |
| Palmitic acid | 0.25 | Aliphatic acid |
| Ethyl palmitate | 0.01 | Aliphatic ester |
| Methyl linoleate | 0.04 | Aliphatic ester |
| Phytol | 0.08 | Diterpenic alcohol |
| Linoleic acid | 0.06 | Aliphatic acid |
| Oleic acid | 0.03 | Aliphatic acid |
| (9*Z*)-18-Octadecenolide? | 0.01 | Aliphatic lactone |
| Tricosane | 0.05 | Alkane |
| Tetracosane | 0.02 | Alkane |
| Pentacosane | 0.13 | Alkane |
| Hexacosane | 0.01 | Alkane |
| Heptacosane | 0.05 | Alkane |
| 6,8-Pentacosanedione? | 0.03 | β-Diketone |
| Unknown | 0.35 | Unknown |
| Unknown | 0.02 | Unknown |
| **Consolidated total** | **97.60** | |

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



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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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This page was intentionally left blank. The following pages present the complete data of the analysis.

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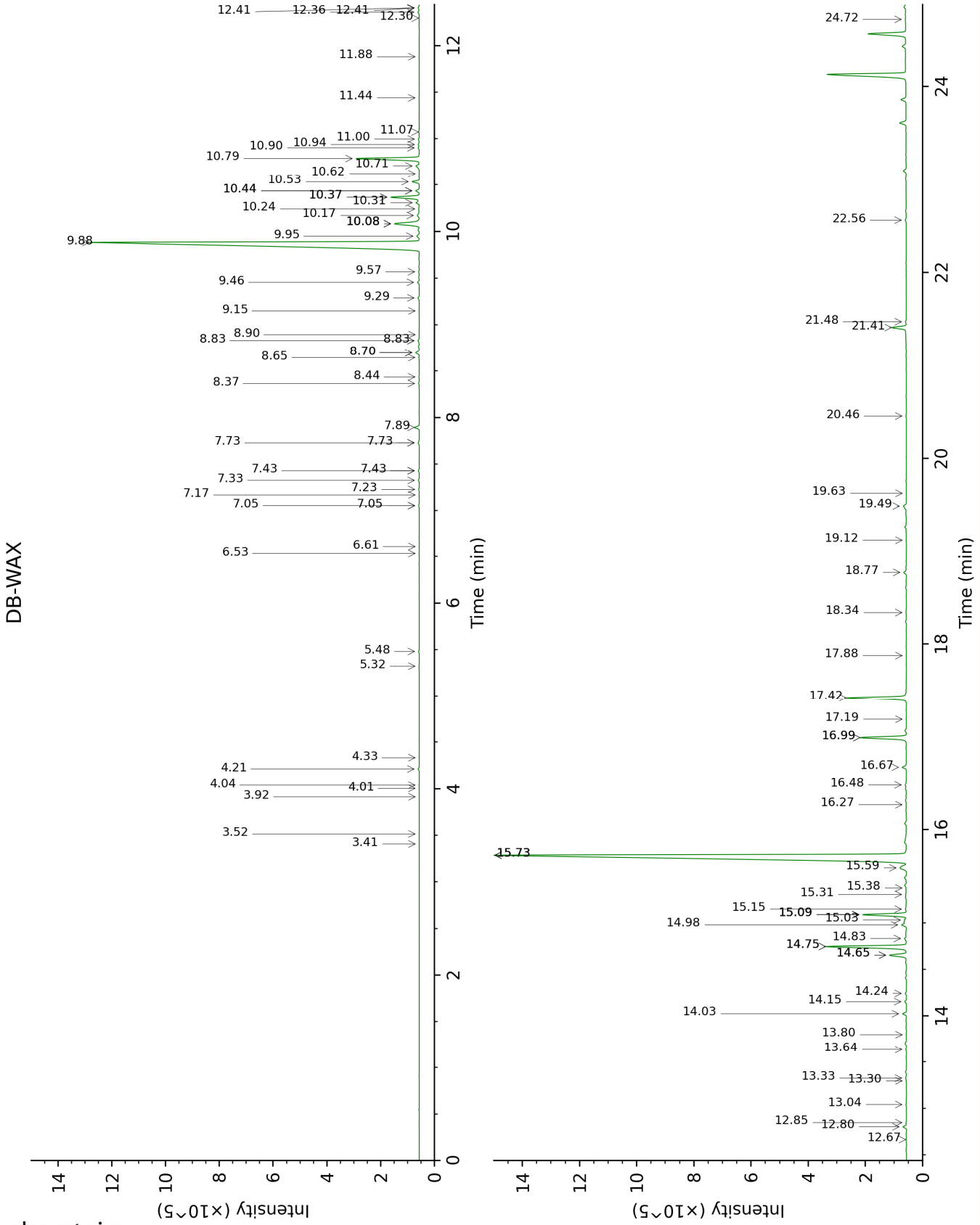
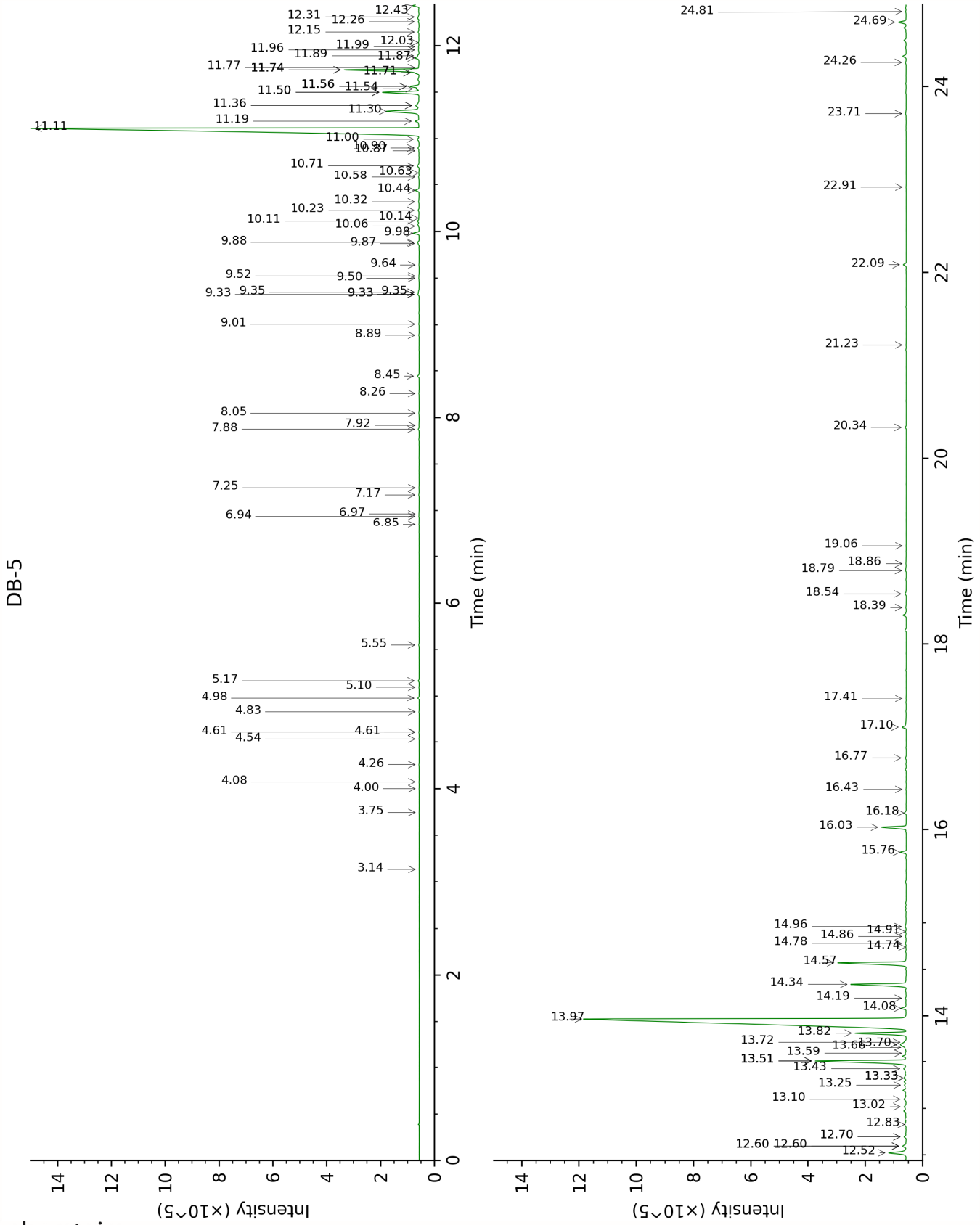

DB-WAX
Time (min)
Intensity (×10^5)
12.41
12.36
12.41
12.30
11.88
11.44
11.07
11.00
10.94
10.90
10.79
10.71
10.62
10.53
10.44
10.37
10.31
10.24
10.17
10.08
9.95
9.88
9.57
9.46
9.29
9.15
8.90
8.83
8.83
8.70
8.65
8.44
8.37
7.89
7.73
7.73
7.43
7.43
7.33
7.23
7.17
7.05
7.05
6.61
6.53
5.48
5.32
4.33
4.21
4.04
4.01
3.92
3.52
3.41
24.72
22.56
21.48
21.41
20.46
19.63
19.49
19.12
18.77
18.34
17.88
17.42
17.19
16.99
16.67
16.48
16.27
15.73
15.59
15.38
15.31
15.15
15.09
15.03
14.98
14.83
14.75
14.65
14.24
14.15
14.03
13.80
13.64
13.33
13.30
13.04
12.85
12.80
12.67


DB-5
Time (min)
Intensity (×10^5)
12.43
12.31
12.26
12.15
11.96
11.99
12.03
11.89
11.87
11.77
11.74
11.71
11.50
11.56
11.54
11.36
11.30
11.19
11.11
11.00
10.90
10.87
10.71
10.58
10.63
10.44
10.32
10.23
10.11
10.14
10.06
9.98
9.88
9.87
9.64
9.52
9.50
9.33
9.35
9.33
9.35
9.01
8.89
8.45
8.26
8.05
7.88
7.92
7.25
7.17
6.94
6.97
6.85
5.55
5.17
5.10
4.98
4.83
4.61
4.54
4.61
4.26
4.08
4.00
3.75
3.14
24.81
24.69
24.26
23.71
22.91
22.09
21.23
20.34
19.06
18.79
18.86
18.54
18.39
17.41
17.10
16.77
16.43
16.18
16.03
15.76
14.96
14.86
14.91
14.78
14.74
14.57
14.34
14.19
14.08
13.97
13.82
13.72
13.68
13.70
13.59
13.51
13.43
13.33
13.25
13.10
13.02
12.83
12.70
12.60
12.60
12.52

*FULL ANALYSIS DATA*

| | Column DB-WAX | | | Column DB-5 | | |
|---|---|---|---|---|---|---|
| **α-Pinene** | | | | 3.14 | 930.3 | 0.01 |
| β-Pinene | | | | 3.75 | 970.7 | 0.01 |
| 6-Methyl-5-hepten-2-one | 5.32 | 1298.1 | 0.01 | 4.00 | 987.5 | 0.01 |
| 2-Pentylfuran | 3.92 | 1197.3 | tr | 4.08 | 992.3 | 0.01 |
| α-Phellandrene | | | | 4.26 | 1004.5 | 0.01 |
| *para*-Cymene | 4.33 | 1227.3 | 0.01 | 4.54 | 1021.7 | 0.01 |
| Limonene | 3.41 | 1158.8 | tr | 4.61* | 1026.3 | [0.02] |
| 1,8-Cineole | 3.52 | 1167.0 | 0.01 | 4.61* | 1026.3 | [0.02] |
| (*Z*)-β-Ocimene | 4.01 | 1203.8 | 0.01 | 4.83 | 1039.9 | 0.01 |
| (*E*)-β-Ocimene | 4.21 | 1218.6 | 0.06 | 4.98 | 1049.5 | 0.05 |
| γ-Terpinene | 4.04 | 1206.2 | 0.01 | 5.10 | 1056.9 | 0.01 |
| Artemisia ketone | 5.48 | 1309.3 | 0.04 | 5.17 | 1061.2 | 0.04 |
| Artemisia alcohol | 7.73* | 1472.0 | [0.08] | 5.55 | 1085.3 | 0.02 |
| *cis*-Chrysanthemol | 10.08* | 1654.8 | [1.73] | 6.85 | 1167.9 | 0.01 |
| Artemisyl acetate | 6.61 | 1389.5 | 0.01 | 6.94 | 1173.4 | 0.01 |
| Terpinen-4-ol | 8.83* | 1555.9 | [0.09] | 6.97 | 1175.1 | 0.02 |
| α-Terpineol | 10.08* | 1654.8 | [1.73] | 7.17 | 1188.1 | 0.02 |
| Safranal | 9.15 | 1580.4 | 0.01 | 7.25 | 1193.0 | 0.01 |
| (3*Z*)-Hexenyl isovalerate | 7.43* | 1449.9 | [0.05] | 7.88 | 1234.5 | 0.04 |
| Carvone | 10.24 | 1667.6 | 0.04 | 7.92 | 1237.3 | 0.02 |
| Hexyl isovalerate | 7.06* | 1422.3 | [0.03] | 8.05 | 1246.0 | 0.02 |
| Geraniol | 11.88 | 1805.2 | 0.02 | 8.26 | 1260.1 | 0.01 |
| (*E*)-4,8-Dimethylnona-3,8-dien-2-one | 9.46 | 1604.4 | 0.09 | 8.45 | 1272.6 | 0.08 |
| Thymol | 15.38 | 2129.7 | 0.02 | 8.89 | 1302.4 | 0.02 |
| (2*E*,4*E*)-Decadienal | 11.44 | 1767.4 | 0.02 | 9.01 | 1310.7 | 0.02 |
| Bicycloelemene | 7.33 | 1442.3 | 0.05 | 9.33* | 1333.1 | [0.07] |
| δ-Elemene isomer | 7.17 | 1430.8 | 0.01 | 9.33* | 1333.1 | [0.07] |
| 7βH-Silphiperfol-5-ene | 6.53 | 1384.2 | 0.01 | 9.33* | 1333.1 | [0.07] |
| δ-Elemene | 7.23 | 1435.2 | 0.03 | 9.35* | 1334.7 | [0.03] |
| Silphin-1-ene | 7.06* | 1422.3 | [0.03] | 9.35* | 1334.7 | [0.03] |
| α-Longipinene | | | | 9.50 | 1345.2 | 0.03 |
| Dehydro-ar-ionene | | | | 9.52 | 1346.9 | 0.01 |
| Eugenol | 15.09* | 2101.2 | [2.17] | 9.64 | 1355.2 | 0.01 |
| α-Copaene | 7.43* | 1449.9 | [0.05] | 9.87 | 1371.4 | 0.03 |
| Modhephene | 7.73* | 1472.0 | [0.08] | 9.88 | 1372.3 | 0.07 |
| α-Isocomene | 7.90 | 1484.1 | 0.24 | 9.98 | 1379.2 | 0.24 |
| Capric acid | | | | 10.06*† | 1384.4 | [0.01] |
| β-Elemene | 8.70* | 1545.6 | [0.21] | 10.11*† | 1388.3 | [0.09] |
| (*Z*)-Jasmone | 12.67 | 1874.2 | 0.03 | 10.14*† | 1390.5 | [0.01] |



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| | | | | | | |
|---|---|---|---|---|---|---|
| β-Isocomene | 8.37 | 1520.0 | 0.04 | 10.23 | 1396.4 | 0.05 |
| Isocaryophyllene | 8.44 | 1525.5 | 0.03 | 10.32 | 1402.8 | 0.04 |
| β-Caryophyllene | 8.70* | 1545.6 | [0.21] | 10.44 | 1411.9 | 0.18 |
| β-Copaene | 8.65 | 1541.5 | 0.03 | 10.58 | 1422.5 | 0.02 |
| α-Maaliene | 8.90 | 1560.9 | 0.01 | 10.63 | 1426.3 | 0.01 |
| Aromadendrene | 8.83* | 1555.9 | [0.09] | 10.71 | 1431.9 | 0.10 |
| Striatene? | | | | 10.87 | 1444.0 | 0.01 |
| α-Humulene | 9.57 | 1613.6 | 0.04 | 10.90 | 1446.2 | 0.06 |
| allo-Aromadendrene | 9.29 | 1591.1 | 0.08 | 11.00 | 1453.2 | 0.10 |
| (*E*)-β-Farnesene | 9.88 | 1638.8 | 32.36 | 11.11 | 1461.9 | 32.05 |
| Dehydrosesquicineole | 10.31 | 1672.9 | 0.17 | 11.19 | 1467.6 | 0.20 |
| Germacrene D | 10.08* | 1654.8 | [1.73] | 11.30 | 1475.5 | 1.85 |
| β-Selinene | 10.17 | 1662.0 | 0.15 | 11.36* | 1480.1 | [0.20] |
| ar-Curcumene | 10.94 | 1725.2 | 0.06 | 11.36* | 1480.1 | [0.20] |
| Viridiflorene | 9.95 | 1644.2 | 0.15 | 11.50* | 1490.6 | [1.54] |
| Bicyclogermacrene | 10.37* | 1677.7 | [1.51] | 11.50* | 1490.6 | [1.54] |
| epi-Cubebol | 12.30 | 1841.7 | 0.01 | 11.50* | 1490.6 | [1.54] |
| α-Zingiberene | 10.44* | 1683.2 | [0.18] | 11.54 | 1493.4 | 0.09 |
| (3*Z*,6*E*)-α-Farnesene | 10.53 | 1691.1 | 0.34 | 11.56* | 1495.3 | [0.40] |
| α-Muurolene | 10.37* | 1677.7 | [1.51] | 11.56* | 1495.3 | [0.40] |
| γ-Cadinene | 10.62 | 1698.6 | 0.01 | 11.71* | 1506.5 | [0.11] |
| β-Bisabolene | 10.44* | 1683.2 | [0.18] | 11.71* | 1506.5 | [0.11] |
| Cubebol | 12.85 | 1890.3 | 0.03 | 11.74* | 1508.9 | [3.23] |
| (3*E*,6*E*)-α-Farnesene | 10.79 | 1712.5 | 3.19 | 11.74* | 1508.9 | [3.23] |
| 3,6-Dihydrochamazulene | 12.41* | 1851.5 | [0.07] | 11.74* | 1508.9 | [3.23] |
| Dihydrochamazulene isomer I | 12.41* | 1851.5 | [0.07] | 11.76 | 1510.8 | 0.03 |
| δ-Cadinene | 10.71 | 1705.8 | 0.22 | 11.87 | 1518.9 | 0.19 |
| β-Sesquiphellandrene | 10.90 | 1722.2 | 0.06 | 11.89 | 1520.7 | 0.06 |
| (2*Z*?,8*Z*?)-Matricaria ester | 16.48 | 2242.0 | 0.06 | 11.96 | 1525.7 | 0.04 |
| Unknown CULO XIV [m/z 93, 91 (59), 43 (55), 79 (49), 105 (40)... 220? (t)] | 13.80 | 1977.6 | 0.03 | 11.99 | 1528.4 | 0.03 |
| α-Cadinene | 11.07 | 1736.5 | 0.04 | 12.03 | 1531.9 | 0.04 |
| (*E*)-α-Bisabolene | 11.00 | 1730.1 | 0.05 | 12.15 | 1540.7 | 0.04 |
| Salviadienol? | 14.65* | 2059.0 | [0.96] | 12.26 | 1549.3 | 0.04 |
| Sesquirosefuran? | 12.36 | 1847.3 | 0.07 | 12.31 | 1553.4 | 0.03 |
| (*E*)-Nerolidol | 14.02 | 1998.8 | 0.18 | 12.43 | 1563.0 | 0.28 |
| Spathulenol | 14.65* | 2059.0 | [0.96] | 12.52 | 1570.2 | 0.89 |
| Dendrolasin | 12.80 | 1886.3 | 0.17 | 12.60* | 1575.8 | [0.21] |
| Caryophyllene oxide | 13.04 | 1908.2 | 0.03 | 12.60* | 1575.8 | [0.21] |
| Globulol | 14.16 | 2011.3 | 0.08 | 12.60* | 1575.8 | [0.21] |

| | | | | | | |
|---|---|---|---|---|---|---|
| Salvial-4(14)-en-1-one | 13.30 | 1931.5 | 0.02 | 12.70* | 1583.6 | [0.10] |
| Viridiflorol | 14.24 | 2019.7 | 0.06 | 12.70* | 1583.6 | [0.10] |
| Ledol | 13.64 | 1962.7 | 0.04 | 12.83 | 1594.0 | 0.11 |
| 5,6-Dihydrochamazulene | 14.75* | 2067.9 | [4.20] | 13.02 | 1609.4 | 0.14 |
| (2,7*Z*)-Bisaboladien-4-ol | 15.09* | 2101.2 | [2.17] | 13.10 | 1616.0 | 0.14 |
| Unknown UNKN CXCI [m/z 93, 41 (52), 79 (46), 91 (45), 43 (38), 67 (37)...] | | | | 13.25 | 1628.5 | 0.08 |
| τ-Cadinol | 15.15 | 2107.1 | 0.05 | 13.33* | 1634.7 | [0.15] |
| τ-Muurolol | 15.31 | 2122.8 | 0.05 | 13.33* | 1634.7 | [0.15] |
| Unknown LYUN IV [m/z 123, 43 (86), 81 (75), 95 (73), 82 (68), 161 (64), 105 (63)... 220 (6)] | 13.33 | 1934.3 | 0.06 | 13.43 | 1643.2 | 0.19 |
| α-Bisabolol oxide B, epimer 2 | 14.83 | 2076.2 | 0.12 | 13.51* | 1650.0 | [4.46] |
| α-Eudesmol | 15.59 | 2151.1 | 0.56 | 13.51* | 1650.0 | [4.46] |
| α-Bisabolol oxide B, epimer 1 | 14.75* | 2067.9 | [4.20] | 13.51* | 1650.0 | [4.46] |
| Ageratochromene | 17.19 | 2316.1 | 0.02 | 13.59 | 1656.8 | 0.05 |
| β-Bisabolol | 15.03 | 2095.4 | 0.10 | 13.66 | 1662.3 | 0.08 |
| (*E*)-Bisabol-11-ol | 15.73* | 2164.6 | [37.34] | 13.70 | 1665.2 | 0.45 |
| α-Bisabolol analog | 15.73* | 2164.6 | [37.34] | 13.72 | 1667.1 | 0.07 |
| Bisabolone oxide A | 15.09* | 2101.2 | [2.17] | 13.82 | 1675.3 | 2.13 |
| α-Bisabolol | 15.73* | 2164.6 | [37.34] | 13.97 | 1687.8 | 37.14 |
| (2*E*,6*Z*)-Farnesol | 16.67 | 2261.5 | 0.21 | 14.08 | 1697.2 | 0.22 |
| Herniarin | 21.48 | 2814.8 | 0.04 | 14.19 | 1706.4 | 0.04 |
| Chamazulene | 16.99* | 2294.8 | [2.44] | 14.34 | 1719.3 | 2.41 |
| α-Bisabolol oxide A | 17.42 | 2341.3 | 3.13 | 14.57 | 1739.2 | 3.19 |
| Bisabolol oxide, epimer I | | | | 14.74 | 1753.9 | 0.02 |
| Benzyl benzoate | 19.12 | 2529.8 | 0.02 | 14.78 | 1757.3 | 0.05 |
| Bisabolol oxide, epimer II | | | | 14.86 | 1763.8 | 0.04 |
| Bisabolol oxide, epimer III | | | | 14.91 | 1768.3 | 0.03 |
| Myristic acid | | | | 14.96 | 1772.9 | 0.10 |
| Phytone | 14.98 | 2090.3 | 0.26 | 15.76 | 1844.0 | 0.24 |
| (*Z*)-Spiroether | 21.41 | 2806.9 | 0.92 | 16.03 | 1868.3 | 1.04 |
| (*E*)-Spiroether | 22.56 | 2955.0 | 0.05 | 16.18 | 1882.2 | 0.10 |
| (*Z*)-Tibetin spiroether | | | | 16.43 | 1905.3 | 0.03 |

| | | | | | | |
|---|---|---|---|---|---|---|
| (*E*)-Tibetin spiroether | | | | 16.77 | 1937.3 | 0.05 |
| Palmitic acid | | | | 17.10 | 1968.7 | 0.25 |
| Ethyl palmitate | 16.27 | 2219.9 | 0.02 | 17.41 | 1998.2 | 0.01 |
| Methyl linoleate | 18.34 | 2441.7 | 0.05 | 18.39 | 2095.3 | 0.04 |
| Phytol | 19.49 | 2572.9 | 0.16 | 18.54 | 2110.3 | 0.08 |
| Linoleic acid | | | | 18.79 | 2136.2 | 0.06 |
| Oleic acid | | | | 18.86 | 2143.8 | 0.03 |
| (9*Z*)-18-Octadecenolide? | | | | 19.06 | 2163.6 | 0.01 |
| Tricosane | 16.99* | 2294.8 | [2.44] | 20.34 | 2299.8 | 0.05 |
| Tetracosane | 17.88 | 2390.4 | 0.01 | 21.23 | 2399.6 | 0.02 |
| Pentacosane | 18.77 | 2490.1 | 0.15 | 22.08 | 2499.4 | 0.13 |
| Hexacosane | 19.63 | 2589.1 | 0.01 | 22.92 | 2599.6 | 0.01 |
| Heptacosane | 20.46 | 2688.1 | 0.03 | 23.71 | 2698.9 | 0.05 |
| 6,8-Pentacosanedione? | 24.72 | 3253.3 | 0.02 | 24.26 | 2770.1 | 0.03 |
| Unknown MARE VI [m/z 69, 41 (46), 81 (31), 165 (29), 91 (20), 181 (18), 167 (15)...] | | | | 24.69 | 2826.8 | 0.35 |
| Unknown MARE VII [m/z 69, 41 (42), 81 (31), 165 (25), 91 (18), 93 (15), 181 (15)...] | | | | 24.81 | 2842.1 | 0.02 |
| Total reported | | 95.67% | | | 97.27% | |

*: 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