

Date : 2025-08-04

CERTIFICATE OF ANALYSIS - GC PROFILING

SAMPLE IDENTIFICATION

Internal code : 25G23-PTH02

Customer Identification : Organic Cypress - Morocco - CB9110R

Type : Essential Oil

Source : *Cupressus sempervirens*

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 : Jean-Christophe Fortin, M. Sc.

Date : 2025-08-04

PHYSICOCHEMICAL DATA

Refractive index : 1.4725 ± 0.0003 (20 °C)

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

Analyst : Dany Massé B. Sc. Chimiste

Date : 2025-07-24

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
Toluene	0.01	Simple phenolic
Unknown	0.01	Alkene
Cyclofenchene	0.02	Monoterpene
Bornylene	0.05	Monoterpene
Tricyclene	0.18	Monoterpene
α -Thujene	0.40	Monoterpene
α -Pinene	53.54	Monoterpene
α -Fenchene	0.52	Monoterpene
Camphene	0.26	Monoterpene
Thuja-2,4(10)-diene	0.03	Monoterpene
3,7,7-Trimethylcyclohepta-1,3,5-triene	0.01	Monoterpene
β -Pinene	0.90	Monoterpene
Sabinene	0.79	Monoterpene
Pseudolimonene isomer	0.01	Monoterpene
Myrcene	1.68	Monoterpene
2-Carene	0.01	Monoterpene
Menthatriene isomer I	0.04	Monoterpene
Pseudolimonene	0.02	Monoterpene
α -Phellandrene	0.11	Monoterpene
Δ^3 -Carene	22.57	Monoterpene
1,4-Cineole	0.06	Monoterpenic ether
α -Terpinene	0.27	Monoterpene
<i>meta</i> -Cymene	0.04	Monoterpene
<i>para</i> -Cymene	0.33	Monoterpene
Sylvestrene	0.12	Monoterpene
Limonene	2.10	Monoterpene
β -Phellandrene	0.55	Monoterpene
(Z)- β -Ocimene	0.01	Monoterpene
(E)- β -Ocimene	0.03	Monoterpene
Unknown	0.04	Monoterpene
γ -Terpinene	0.46	Monoterpene
<i>cis</i> -Sabinene hydrate	0.01	Monoterpenic alcohol
Unknown	0.01	Oxygenated monoterpene
<i>cis</i> -Linalool oxide (fur.)	0.01	Monoterpenic alcohol
<i>meta</i> -Cymenene	0.01	Monoterpene
Terpinolene isomer	0.04	Monoterpene
Terpinolene	2.81	Monoterpene
Isoterpinolene	0.11	Monoterpene
<i>para</i> -Cymenene	0.09	Monoterpene
α -Pinene oxide	0.04	Monoterpenic ether

<i>trans</i> -Sabinene hydrate	0.01	Monoterpenic alcohol
Perillene	0.01	Monoterpenic ether
Unknown	0.01	Unknown
Linalool	0.40	Monoterpenic alcohol
endo-Fenchol	0.04	Monoterpenic alcohol
<i>cis-para</i> -Menth-2-en-1-ol	0.02	Monoterpenic alcohol
4-Hydroxy-4-methylcyclohex-2-enone	0.03	Aliphatic alcohol
<i>trans</i> -Pinocarveol	0.05	Monoterpenic alcohol
Camphor	0.15	Monoterpenic ketone
Camphene hydrate	0.04	Monoterpenic alcohol
<i>meta</i> -Mentha-4,6-dien-8-ol	0.03	Monoterpenic alcohol
Epoxyterpinolene	0.21	Monoterpenic ether
Karahanaenone	0.24	Monoterpenic ketone
Borneol	0.05	Monoterpenic alcohol
α -Phellandren-8-ol	0.02	Monoterpenic alcohol
Umbellulone	0.11	Monoterpenic ketone
Terpinen-4-ol	1.01	Monoterpenic alcohol
<i>meta</i> -Cymen-8-ol	0.02	Monoterpenic alcohol
<i>para</i> -Cymen-8-ol	0.09	Monoterpenic alcohol
Unknown	0.03	Oxygenated monoterpene
α -Terpineol	0.31	Monoterpenic alcohol
Myrtenol	0.03	Monoterpenic alcohol
Verbenone	0.04	Monoterpenic ketone
Unknown	0.02	Unknown
Unknown	0.01	Oxygenated monoterpene
<i>trans</i> -Carveol	0.02	Monoterpenic alcohol
Unknown	0.06	Oxygenated monoterpene
Carvacrol methyl ether	0.03	Monoterpenic ether
Car-3-en-2-one	0.03	Monoterpenic ketone
Linalyl acetate	0.04	Monoterpenic ester
(<i>trans</i> ?) - Linalool oxide acetate (fur.)?	0.02	Monoterpenic ester
Unknown	0.03	Oxygenated monoterpene
Bornyl acetate	0.09	Monoterpenic ester
Cuminol	0.01	Monoterpenic alcohol
Unknown	0.27	Monoterpenic ester
Terpinen-4-yl acetate	0.02	Monoterpenic ester
Thymol analogue II	0.04	Monoterpenic alcohol
Unknown	0.06	Oxygenated monoterpene
Unknown	0.03	Unknown
Unknown	0.24	Monoterpenic ester
α -Terpinyl acetate	2.16	Monoterpenic ester
α -Ylangene	0.02	Sesquiterpene
α -Copaene	0.05	Sesquiterpene
β -Bourbonene	0.03	Sesquiterpene
β -Cubebene	0.01	Sesquiterpene

β-Elemene	0.05	Sesquiterpene
α-Cedrene	0.39	Sesquiterpene
β-Cedrene	0.16	Sesquiterpene
β-Caryophyllene	0.23	Sesquiterpene
β-Copaene	0.02	Sesquiterpene
cis-Thujopsene	0.05	Sesquiterpene
cis-Muuroala-3,5-diene	0.04	Sesquiterpene
trans-Muuroala-3,5-diene	0.01	Sesquiterpene
α-Humulene	0.14	Sesquiterpene
cis-Cadina-1(6),4-diene	0.02	Sesquiterpene
cis-Muuroala-4(15),5-diene	0.15	Sesquiterpene
Unknown	0.01	Sesquiterpene
trans-Cadina-1(6),4-diene	0.03	Sesquiterpene
γ-Muurolene	0.14	Sesquiterpene
α-Amorphene	0.10	Sesquiterpene
Germacrene D	0.29	Sesquiterpene
trans-Muuroala-4(15),5-diene	0.02	Sesquiterpene
β-Alaskene	0.08	Sesquiterpene
Epizonarene	0.07	Sesquiterpene
α-Muurolene	0.09	Sesquiterpene
δ-Amorphene	0.02	Sesquiterpene
α-Alaskene	0.02	Sesquiterpene
γ-Cadinene	0.16	Sesquiterpene
trans-Calamenene	0.05	Sesquiterpene
δ-Cadinene	[0.32]	Sesquiterpene
Zonarene	[0.32]	Sesquiterpene
trans-Cadina-1,4-diene	0.04	Sesquiterpene
α-Cadinene	0.03	Sesquiterpene
α-Calacorene	0.03	Sesquiterpene
α-Elemol	0.04	Sesquiterpenic alcohol
Salviadienol?	0.07	Sesquiterpenic alcohol
Caryophyllene oxide	0.05	Sesquiterpenic ether
allo-Cedrol	0.04	Sesquiterpenic alcohol
Widdrol	0.02	Sesquiterpenic alcohol
α-Cedrol	1.16	Sesquiterpenic alcohol
epi-Cedrol	0.01	Sesquiterpenic alcohol
Torilenol	0.04	Oxygenated sesquiterpene
1,10-diepi-Cubenol	0.03	Sesquiterpenic alcohol
1-epi-Cubenol	0.01	Sesquiterpenic alcohol
α-Acorenol	0.03	Sesquiterpenic alcohol
allo-Aromadendrene epoxide?	0.03	Sesquiterpenic ether
τ-Muurolol	0.03	Sesquiterpenic alcohol
τ-Cadinol	0.02	Sesquiterpenic alcohol
α-Muurolol	0.03	Sesquiterpenic alcohol
α-Cadinol	0.04	Sesquiterpenic alcohol

Unknown	0.05	Unknown
Eudesma-4(15),7-dien-1 β -ol	0.02	Sesquiterpenic alcohol
β -Turmerone	0.01	Sesquiterpenic ketone
Phenylethyl octanoate	0.01	Phenolic ester
<i>meta</i> -Camphorene	0.01	Diterpene
Manoyl oxide	0.12	Diterpenic ether
7,13-Abietadiene	0.02	Diterpene
Isoabienol?	0.02	Diterpenic alcohol
Isopimaradiene	0.01	Diterpene
Consolidated total	99.15	

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

Note: no correction factor was applied

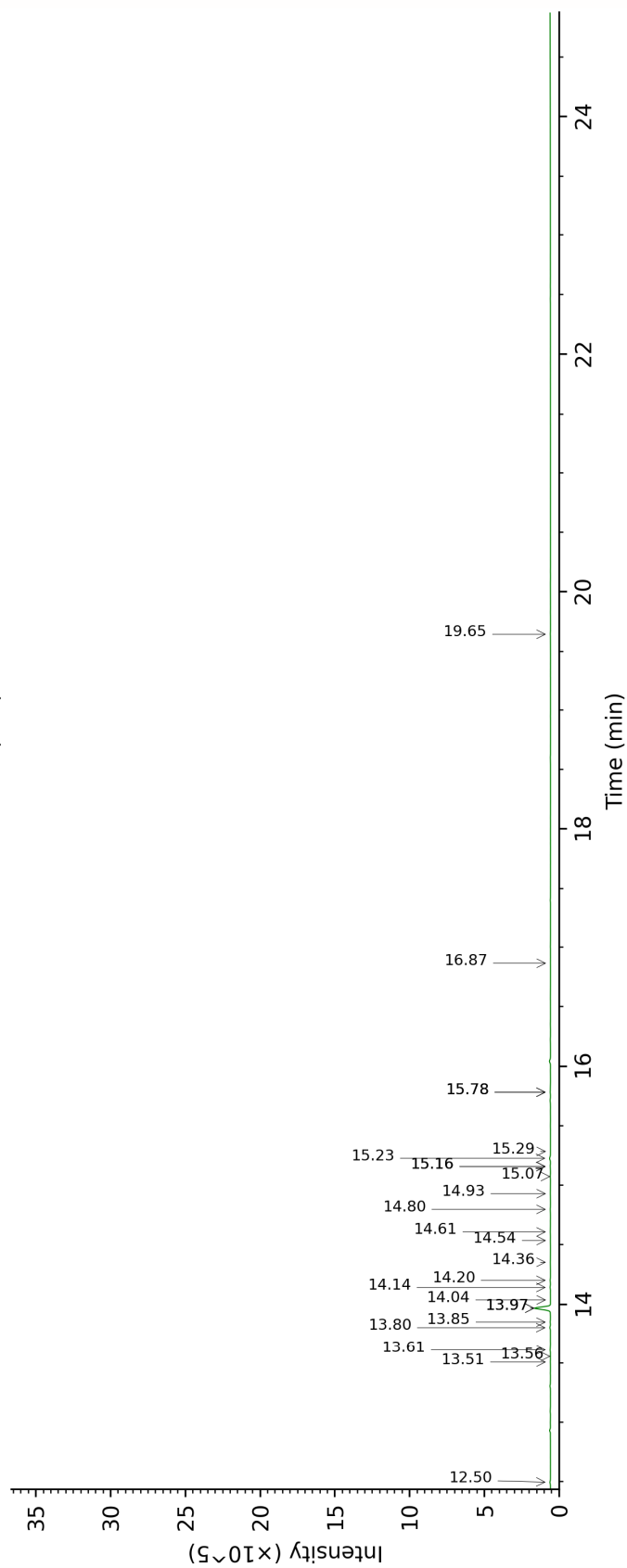
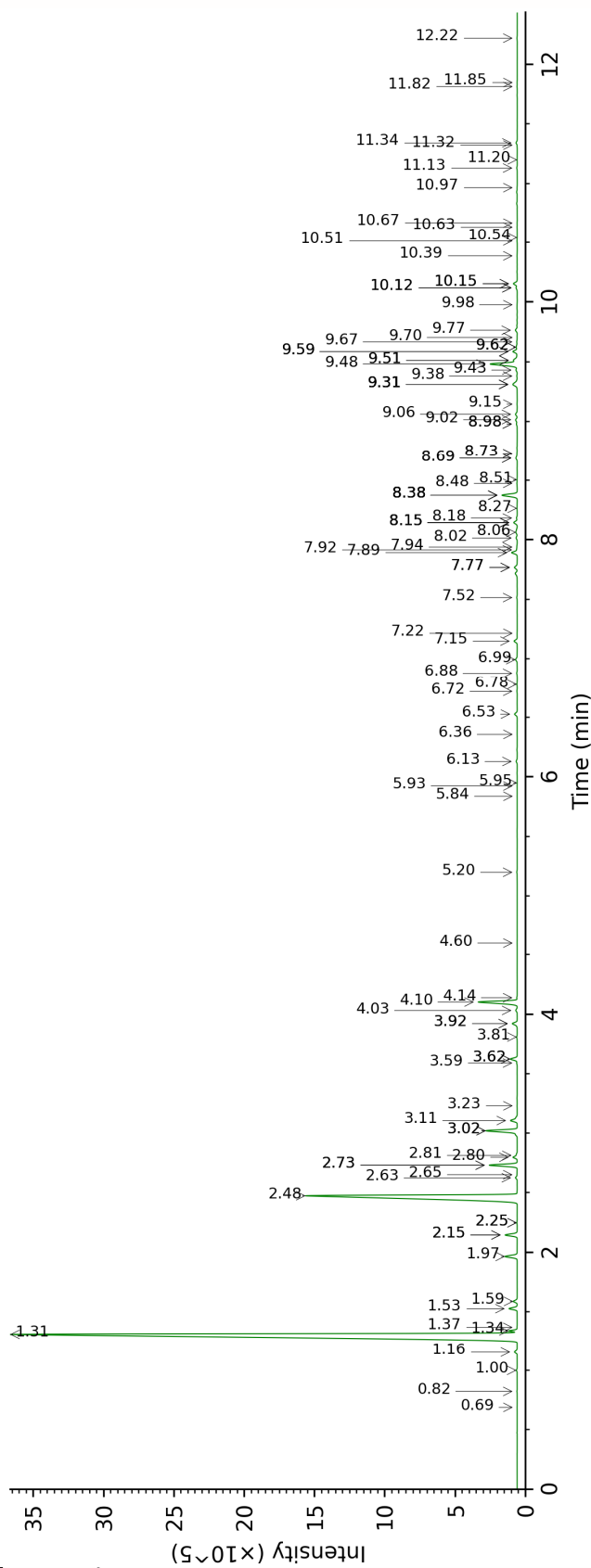
About "consolidated" data: The table above presents the breakdown of the sample volatile constituents after applying an algorithm to collapse data acquired from the multi-columns system of PhytoChemia into a single set of consolidated contents. In case of discrepancies between columns, the algorithm 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.

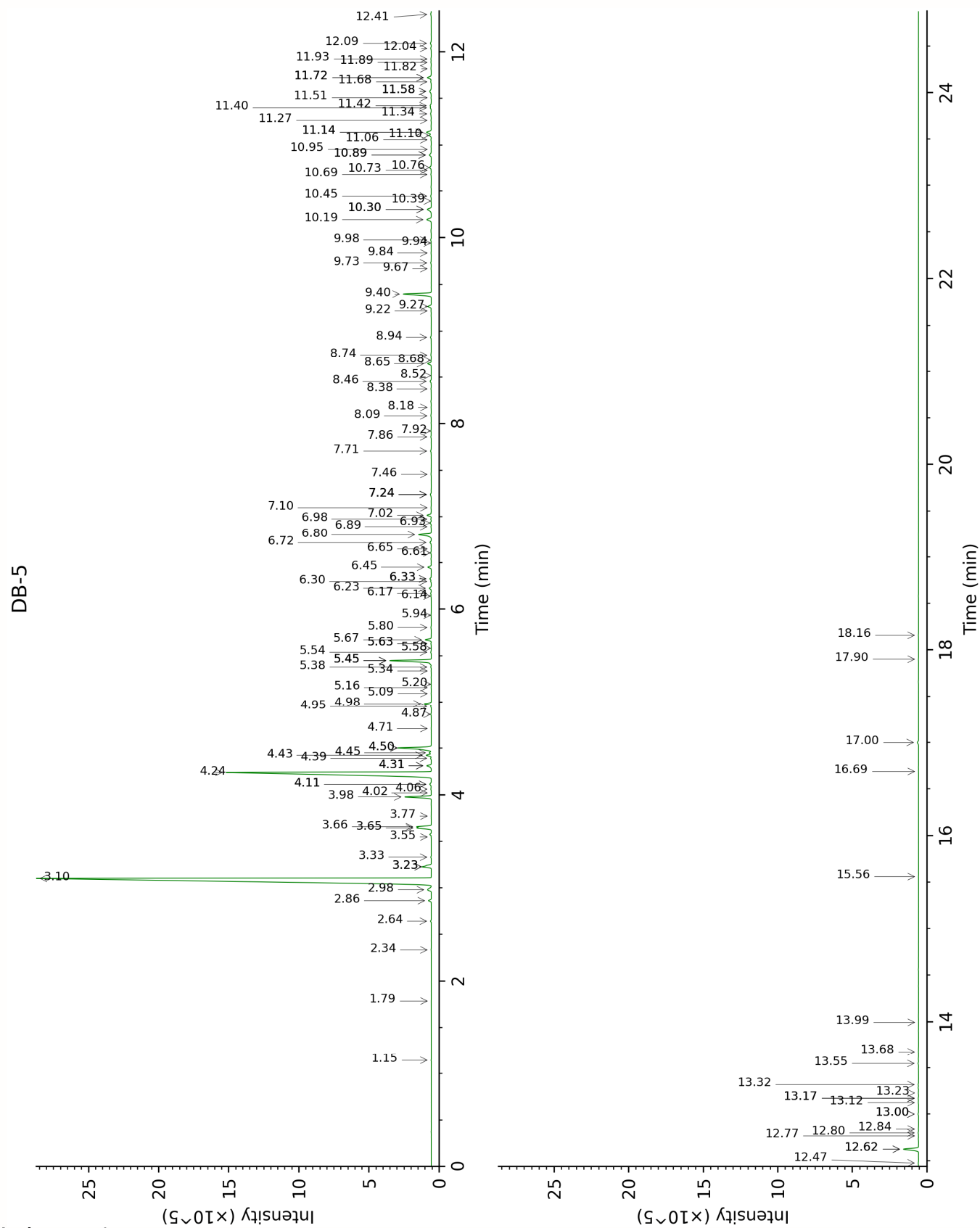
Unknowns: Unknown compounds' mass spectral data is presented in the "Full analysis data" table. The occurrence of unknown compounds is to be expected in many samples, and does not denote particular problems unless noted otherwise in the conclusion.

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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DB-WAX





FULL ANALYSIS DATA

Toluene	Column DB-WAX			Column DB-5		
	1.37	1003.3	0.01	1.14	758.9	0.01
Unknown BOCA I [m/z 109, 67 (32), 81 (14), 41 (12), 124 (10)]	0.69	878.3	tr	1.79	831.8	0.01
Cyclofenchene	0.82	912.0	0.01	2.34	878.1	0.02
Bornylene	1.00	943.3	0.05	2.64	904.1	0.05
Tricyclene	1.16	970.8	0.18	2.86	918.8	0.18
α -Thujene	1.34	1000.2	0.40	2.98	926.6	0.40
α -Pinene	1.31	997.2	53.57	3.10	934.8	53.54
α -Fenchene	1.53	1019.7	0.52	3.23*	943.1	[0.77]
Camphene	1.59	1026.0	0.26	3.23*	943.1	[0.77]
Thuja-2,4(10)-diene 3,7,7-	2.15*	1084.3	[0.79]	3.33	950.0	0.03
Trimethylcyclohepta- 1,3,5-triene	2.73*	1134.4	[1.76]	3.55	964.5	0.01
β -Pinene	1.97	1065.4	0.84	3.64	971.0	0.90
Sabinene	2.15*	1084.3	[0.79]	3.66	971.9	0.79
Pseudolimonene isomer	2.25*	1095.1	[0.02]	3.77	979.5	0.01
Myrcene	2.73*	1134.4	[1.76]	3.98	993.3	1.68
2-Carene	2.25*	1095.1	[0.02]	4.02	996.3	0.01
Menthatriene isomer I	3.23	1174.9	0.01	4.06	998.9	0.04
Pseudolimonene	2.65	1127.9	0.02	4.11*	1002.5	[0.13]
α -Phellandrene	2.63	1125.9	0.11	4.11*	1002.5	[0.13]
Δ 3-Carene	2.48	1113.7	22.56	4.24	1010.6	22.57
1,4-Cineole	2.82	1141.1	0.06	4.31*	1015.2	[0.33]
α -Terpinene	2.80	1139.8	0.27	4.31*	1015.2	[0.33]
<i>meta</i> -Cymene	3.92*	1228.3	[0.37]	4.39	1020.2	0.04
<i>para</i> -Cymene	3.92*	1228.3	[0.37]	4.43	1022.3	0.33
Sylvestrene	3.02*	1157.9	[2.12]	4.45	1024.0	0.12
Limonene	3.02*	1157.9	[2.12]	4.50*	1027.2	[2.64]
β -Phellandrene	3.11	1164.8	0.55	4.50*	1027.2	[2.64]
(Z)- β -Ocimene	3.59	1203.6	0.03	4.71	1040.5	0.01
(E)- β -Ocimene	3.81	1219.9	0.03	4.87	1050.2	0.03
Unknown CUSE I [m/z 93, 91 (54), 92 (31), 77 (29), 79 (17), 43 (13), 41 (10), 136 (9)]	3.62*	1206.1	[0.46]	4.95	1055.7	0.04
γ -Terpinene	3.62*	1206.1	[0.46]	4.98	1057.6	0.46
<i>cis</i> -Sabinene hydrate	6.72	1432.3	0.03	5.09	1064.7	0.01

Unknown PIMA I [m/z 79, 93 (60), 43 (40), 94 (35), 137 (33), 77 (26), 91 (20), 152 (18)]	4.60	1278.9	0.02	5.16	1068.8	0.01
<i>cis</i> -Linalool oxide (fur.)	6.36	1405.5	0.01	5.20	1071.1	0.01
<i>meta</i> -Cymenene	5.95	1376.1	0.01	5.34	1080.2	0.01
Terpinolene isomer	4.14	1244.5	0.03	5.38	1082.9	0.04
Terpinolene	4.10	1241.8	2.81	5.45*	1087.3	[3.01]
Isoterpinolene	4.03	1236.5	0.11	5.45*	1087.3	[3.01]
<i>para</i> -Cymenene	6.13	1389.0	0.09	5.45*	1087.3	[3.01]
α -Pinene oxide	5.20	1322.3	0.04	5.54	1093.0	0.04
<i>trans</i> -Sabinene hydrate	7.77*	1510.4	[0.23]	5.58	1095.7	0.01
Perillene	5.93	1374.3	0.01	5.63*	1098.8	[0.03]
Unknown PINI III [m/z 109, 43 (65), 95 (54), 119 (50), 91 (47)... 149 (8)...]	5.84	1368.0	0.01	5.63*	1098.8	[0.03]
Linalool	7.89	1520.0	0.40	5.67	1101.5	0.40
endo-Fenchol	8.15*	1539.5	[0.27]	5.80	1110.0	0.04
<i>cis-para</i> -Menth-2-en- 1-ol	7.92	1521.8	0.04	5.94	1118.5	0.02
4-Hydroxy-4- methylcyclohex-2- enone	13.85	2030.5	0.03	6.14	1131.8	0.03
<i>trans</i> -Pinocarveol	8.98*	1604.3	[0.07]	6.17	1133.7	0.05
Camphor	6.99	1452.5	0.14	6.23	1137.3	0.15
Camphene hydrate	8.27	1548.7	0.03	6.30	1142.1	0.04
<i>meta</i> -Mentha-4,6- dien-8-ol	9.15	1617.8	0.03	6.33*	1143.9	[0.11]
Epoxyterpinolene	6.53	1418.1	0.21	6.33*	1143.9	[0.11]
Karahanaenone	7.15	1464.0	0.23	6.45	1152.0	0.24
Borneol	9.59*	1653.4	[0.33]	6.61	1162.0	0.05
α -Phellandren-8-ol	9.98	1685.1	0.02	6.65	1164.8	0.02
Umbellulone	8.69*	1581.4	[0.12]	6.72	1169.3	0.11
Terpinen-4-ol	8.38*	1557.2	[1.16]	6.80	1174.8	1.01
<i>meta</i> -Cymen-8-ol	11.32	1799.0	0.01	6.90	1180.7	0.02
<i>para</i> -Cymen-8-ol	11.34	1800.6	0.09	6.94	1183.3	0.09
Unknown JUVI II [m/z 93, 59 (85), 81 (36), 92 (35), 43 (34), 121 (20), 136 (16)...]	9.51*	1647.4	[0.32]	6.98	1186.0	0.03
α -Terpineol	9.59*	1653.4	[0.33]	7.02	1188.8	0.31

Myrtenol	10.63	1740.2	0.02	7.10	1194.0	0.03
Verbenone	9.38	1636.8	0.04	7.24*	1203.2	[0.09]
Unknown PIMA 7 [m/z 95, 93 (32), 121 (24), 79 (22), 91 (21), 105 (16)... 154 (2)]	10.67	1743.1	0.02	7.24*	1203.2	[0.09]
Unknown PINI IV [m/z 109, 91 (100), 81 (88), 94 (75), 119 (74), 96 (73), 41 (63)... 150 (2)]	10.54	1732.3	0.01	7.24*	1203.2	[0.09]
<i>trans</i> -Carveol	11.20	1788.2	0.01	7.46	1217.9	0.02
Unknown CIAU II [m/z 137, 152 (28), 43 (25), 91 (24), 109 (23), 119 (19)]	11.13	1782.4	0.05	7.71	1234.9	0.06
Carvacrol methyl ether	8.38*	1557.2	[1.16]	7.86	1245.3	0.03
Car-3-en-2-one	10.12*	1696.7	[0.09]	7.92	1249.7	0.03
Linalyl acetate	7.94	1523.6	0.03	8.09	1260.7	0.04
(<i>trans</i> ?) - Linalool oxide acetate (fur.)?	8.48	1565.0	0.03	8.18	1267.0	0.02
Unknown CIAU V [m/z 95, 67 (45), 41 (42), 110 (42), 43 (41), 59 (36)]	12.22	1878.6	0.03	8.38	1280.5	0.03
Bornyl acetate	8.02	1529.5	0.09	8.46	1286.1	0.09
Cuminol	14.04	2048.5	0.01	8.52	1290.3	0.01
Unknown CUSE III [m/z 121, 93 (97), 43 (81), 136 (48), 107 (47), 108 (44)...]	8.38*	1557.2	[1.16]	8.65	1299.2	0.27
Terpinen-4-yl acetate	8.51	1567.3	0.02	8.68	1301.6	0.02
Thymol analogue II	15.08	2151.1	0.02	8.74	1305.7	0.04
Unknown CUSE IV [m/z 150, 107 (98), 91 (79), 108 (61)]	11.82	1842.5	0.02	8.94	1315.9	0.06
Unknown CUSE V [m/z 93, 92 (34), 43 (31), 91 (27)...]				9.22	1336.1	0.03
Unknown CUSE VI [m/z 93, 43 (50), 121 (50), 136 (35)...]	9.31*	1631.2	[0.49]	9.27	1339.5	0.24
α -Terpinyl acetate	9.48	1645.0	2.17	9.40	1348.9	2.16
α -Ylangene	6.78	1436.7	0.03	9.67	1368.2	0.02

α -Copaene	6.88	1444.0	0.04	9.73	1372.6	0.05
β -Bourbonene	7.22	1468.9	0.01	9.84	1380.1	0.03
β -Cubebene	7.52	1491.1	0.04	9.94	1387.7	0.01
β -Elemene	8.18	1542.4	0.06	9.98	1390.0	0.05
α -Cedrene	7.77*	1510.4	[0.23]	10.19	1405.5	0.39
β -Cedrene	8.06	1533.2	0.16	10.30*	1413.7	[0.39]
β -Caryophyllene	8.15*	1539.5	[0.27]	10.30*	1413.7	[0.39]
β -Copaene	8.15*	1539.5	[0.27]	10.39	1420.5	0.02
<i>cis</i> -Thujopsene	8.38*	1557.2	[1.16]	10.45	1424.4	0.05
<i>cis</i> -Muuro-la-3,5-diene	8.73*	1584.7	[0.03]	10.68	1442.3	0.04
<i>trans</i> -Muuro-la-3,5-diene	8.69*	1581.4	[0.12]	10.73	1445.7	0.01
α -Humulene	9.02	1607.3	0.13	10.76	1448.0	0.14
<i>cis</i> -Cadina-1(6),4-diene	8.73*	1584.7	[0.03]	10.89*	1458.0	[0.17]
<i>cis</i> -Muuro-la-4(15),5-diene	9.06	1610.9	0.15	10.89*	1458.0	[0.17]
Unknown DACA II [m/z 161, 91 (57), 120 (46), 105 (42), 133 (25), 119 (22), 41 (21), 204 (21)]	9.31*	1631.2	[0.49]	10.95	1462.5	0.01
<i>trans</i> -Cadina-1(6),4-diene	8.98*	1604.3	[0.07]	11.06	1470.2	0.03
γ -Muuro-lene	9.31*	1631.2	[0.49]	11.10	1473.7	0.14
α -Amorphene	9.31*	1631.2	[0.49]	11.14*	1476.2	[0.40]
Germacrene D	9.51*	1647.4	[0.32]	11.14*	1476.2	[0.40]
<i>trans</i> -Muuro-la-4(15),5-diene	9.62*	1656.4	[0.10]	11.27	1485.8	0.02
β -Alaskene	9.43	1640.9	0.10	11.34	1491.1	0.08
Epizonarene	9.62*	1656.4	[0.10]	11.40	1496.0	0.07
α -Muuro-lene	9.76	1667.8	0.15	11.42	1497.7	0.09
δ -Amorphene	9.67	1659.9	0.05	11.51	1504.1	0.02
α -Alaskene	9.70	1662.9	0.02	11.58*	1509.4	[0.17]
γ -Cadinene	10.12*	1696.7	[0.09]	11.58*	1509.4	[0.17]
<i>trans</i> -Calamenene	10.97	1768.4	0.02	11.68	1517.5	0.05
δ -Cadinene	10.15*	1699.6	[0.30]	11.72*	1521.1	[0.32]
Zonarene	10.15*	1699.6	[0.30]	11.72*	1521.1	[0.32]
<i>trans</i> -Cadina-1,4-diene	10.39	1719.3	0.02	11.82	1528.6	0.04
α -Cadinene	10.51	1730.0	0.02	11.89	1534.0	0.03
α -Calacorene	11.85	1845.6	0.02	11.92	1536.8	0.03
α -Elemol	13.80	2026.0	0.05	12.04	1545.9	0.04
Salviadienol?	14.14	2058.6	0.03	12.09	1550.1	0.07

Caryophyllene oxide	12.50	1903.5	0.04	12.41	1574.9	0.05
allo-Cedrol	13.97*	2041.8	[1.22]	12.47	1580.1	0.04
Widdrol	14.36	2079.1	0.02	12.62*	1592.1	[1.18]
α -Cedrol	13.97*	2041.8	[1.22]	12.62*	1592.1	[1.18]
epi-Cedrol	14.54	2097.0	0.02	12.77	1603.4	0.01
Torilenol	15.16*	2159.6	[0.04]	12.80	1605.9	0.04
1,10-diepi-Cubenol	13.51	1997.5	0.02	12.84	1609.3	0.03
1-epi-Cubenol	13.56	2002.1	0.01	13.00*	1622.7	[0.05]
α -Acorenol	14.20	2064.4	0.03	13.00*	1622.7	[0.05]
allo-Aromadendrene epoxide?	13.61	2007.4	0.04	13.12	1632.9	0.03
τ -Muurolol	14.80	2123.3	0.03	13.17*	1636.8	[0.04]
τ -Cadinol	14.61	2104.3	0.02	13.17*	1636.8	[0.04]
α -Muurolol	14.93	2136.6	0.02	13.23	1641.6	0.03
α -Cadinol	15.23	2166.5	0.08	13.32	1649.1	0.04
Unknown CUSE VIII [m/z 85, 57 (59), 79 (26), 67 (18), 41 (16), 80 (15), 81 (10), 77 (8), 238 (7)]				13.55	1668.0	0.05
Eudesma-4(15),7-dien-1 β -ol	15.78*	2223.6	[0.03]	13.68	1678.7	0.02
β -Turmerone	15.29	2172.3	0.01	14.00	1705.1	0.01
Phenylethyl octanoate	16.87	2338.3	0.01	15.56	1842.9	0.01
<i>meta</i> -Camphorene	15.16*	2159.6	[0.04]	16.69	1947.6	0.01
Manoyl oxide				17.00	1977.3	0.12
7,13-Abietadiene				17.90	2065.6	0.02
Isoabienol?	19.65	2658.1	0.02	18.16	2091.1	0.02
Isopimaradiene	15.78*	2223.6	[0.03]			
Total reported		98.21%			99.05%	

*: 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