

Date : July 31, 2022

CERTIFICATE OF ANALYSIS – GC PROFILING

SAMPLE IDENTIFICATION

Internal code : 22G25-PTH03


Customer identification : Frankincense Carteri - F30112R

Type : Essential oil

Source : *Boswellia carteri*

Customer : Plant Therapy

ANALYSIS

Method: PC-MAT-014  - Analysis of the composition of an essential oil or other volatile liquid by FAST GC-FID (in French); identifications validated by GC-MS.

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

Analysis date : July 27, 2022

Checked and approved by :

Alexis St-Gelais, Ph. D., Chimiste 2013-174

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PHYSICOCHEMICAL DATA

Physical aspect: Faintly yellow liquid

Refractive index: 1.4726 ± 0.0003 (20 °C; method PC-MAT-016)

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
Unknown	tr	Unknown
Toluene	0.07	Simple phenolic
Unknown	0.01	Alkene
Unknown	0.02	Unknown
Hashishene	0.22	Monoterpene
Tricyclene	0.07	Monoterpene
α -Thujene	1.50	Monoterpene
α -Pinene	46.10	Monoterpene
Unknown	0.06	Monoterpene
Camphene	0.85	Monoterpene
α -Fenchene	0.02	Monoterpene
Thuja-2,4(10)-diene	0.55	Monoterpene
3,7,7-Trimethylcyclohepta-1,3,5-triene	0.06	Monoterpene
β -Pinene	1.92	Monoterpene
Sabinene	2.66	Monoterpene
Dehydro-1,8-cineole	0.09	Monoterpenic ether
6-Methyl-5-hepten-2-one	0.01	Aliphatic ketone
2,7-Dimethyl-2,6-octadiene	0.01	Monoterpene
Myrcene	5.30	Monoterpene
6-Methyl-5-hepten-2-ol	0.02	Aliphatic alcohol
Pseudolimonene	0.05	Monoterpene
α -Phellandrene	2.60	Monoterpene
ortho-Methylanisole	0.09	Simple phenolic
Δ^3 -Carene	0.67	Monoterpene
Unknown	0.03	Monoterpene
α -Terpinene	0.26	Monoterpene
meta-Cymene	0.02	Monoterpene
Carvomenthene	0.03	Aliphatic alcohol
para-Cymene	3.16	Monoterpene
β -Phellandrene	0.72	Monoterpene
Limonene	16.06	Monoterpene
1,8-Cineole	0.13	Monoterpenic ether
ortho-Cymene	0.03	Monoterpene
(Z)- β -Ocimene	0.14	Monoterpene
Unknown	0.01	Unknown
(E)- β -Ocimene	0.08	Monoterpene
γ -Terpinene	0.40	Monoterpene
cis-Sabinene hydrate	0.01	Monoterpenic alcohol
Unknown	0.04	Oxygenated monoterpene
cis-Linalool oxide (fur.)	0.02	Monoterpenic alcohol
Octanol	0.07	Aliphatic alcohol
Unknown	0.03	Oxygenated monoterpene
Isoterpinolene	0.02	Monoterpene
Terpinolene	0.14	Monoterpene
para-Cymenene	0.06	Monoterpene

6,7-Epoxy-myrcene	0.03	Monoterpenic ether
<i>trans</i> -Sabinene hydrate	0.01	Monoterpenic alcohol
α -Thujone	0.02	Monoterpenic ketone
Linalool	0.11	Monoterpenic alcohol
Verbenol analog?	0.06	Monoterpenic alcohol
β -Thujone	0.05	Monoterpenic ketone
<i>trans</i> -para-Mentha-2,8-dien-1-ol	0.01	Monoterpenic alcohol
<i>cis</i> -para-Menth-2-en-1-ol	0.03	Monoterpenic alcohol
α -Campholenal	0.33	Monoterpenic aldehyde
<i>cis</i> -Limonene oxide	0.02	Monoterpenic ether
allo-Ocimene	0.01	Monoterpene
<i>trans</i> -Pinocarveol	0.42	Monoterpenic alcohol
<i>trans</i> -Sabinol	0.12	Monoterpenic alcohol
<i>trans</i> -Verbenol	0.26	Monoterpenic alcohol
meta-Mentha-4,6-dien-8-ol	0.18	Monoterpenic alcohol
Unknown	0.03	Oxygenated monoterpene
Pinocamphone	tr	Monoterpenic ketone
Unknown	0.03	Oxygenated monoterpene
Pinocarvone	0.04	Monoterpenic ketone
Borneol	0.09	Monoterpenic alcohol
α -Phellandren-8-ol	0.42	Monoterpenic alcohol
Isopinocampone	0.01	Monoterpenic ketone
<i>cis</i> -Sabinol	0.01	Monoterpenic alcohol
Terpinen-4-ol	0.47	Monoterpenic alcohol
Thuj-3-en-10-al	0.05	Monoterpenic aldehyde
para-Cymen-8-ol	0.09	Monoterpenic alcohol
α -Terpineol	0.28	Monoterpenic alcohol
Myrtenal	0.10	Monoterpenic aldehyde
β -Phellandren-8-ol	0.01	Monoterpenic alcohol
Myrtenol	0.13	Monoterpenic alcohol
<i>cis</i> - α -Phellandrene epoxide (iPr vs Me)	0.12	Monoterpenic ether
Verbenone	0.27	Monoterpenic ketone
<i>trans</i> -Piperitol	0.02	Monoterpenic alcohol
Octyl acetate	0.34	Aliphatic ester
<i>trans</i> -Carveol	0.14	Monoterpenic alcohol
<i>cis</i> -Carveol	0.04	Monoterpenic alcohol
Cuminal	0.05	Monoterpenic aldehyde
Carvone	0.13	Monoterpenic ketone
Carvotanacetone	0.02	Monoterpenic ketone
Hexyl isovalerate	0.02	Aliphatic ester
Piperitone	0.05	Monoterpenic ketone
Linalyl acetate	0.01	Monoterpenic ester
3,5-Dimethoxytoluene	0.03	Simple phenolic
Unknown	0.05	Oxygenated monoterpene
Bornyl acetate	0.28	Monoterpenic ester
Thymol	0.02	Monoterpenic alcohol
Carvacrol	0.04	Monoterpenic alcohol
para-Menth-5-en-1,2-diol isomer III	0.02	Monoterpenic alcohol
Myrtenyl acetate	0.01	Monoterpenic ester
Bicycloelemene	0.02	Sesquiterpene
Unknown	0.02	Unknown
α -Terpinyl acetate	0.05	Monoterpenic ester

α -Cubebene	0.16	Sesquiterpene
Cyclosativene I	0.01	Sesquiterpene
α -Ylangene	0.03	Sesquiterpene
α -Copaene	0.58	Sesquiterpene
β -Bourbonene	0.08	Sesquiterpene
1,5-diepi- β -Bourbonene	0.03	Sesquiterpene
Geranyl acetate	0.02	Monoterpenic ester
β -Cubebene	0.05	Sesquiterpene
β -Elemene	0.77	Sesquiterpene
Unknown	0.02	Unknown
Isocaryophyllene	0.03	Sesquiterpene
α -Gurjunene	0.06	Sesquiterpene
<i>cis</i> - α -Bergamotene	0.05	Sesquiterpene
β -Caryophyllene	2.15	Sesquiterpene
β -Copaene	0.04	Sesquiterpene
<i>trans</i> - α -Bergamotene	0.10	Sesquiterpene
6,9-Guaiadiene	0.08	Sesquiterpene
Unknown	0.02	Sesquiterpene
<i>trans</i> -Muurolo-3,5-diene	0.08	Sesquiterpene
α -Humulene	0.55	Sesquiterpene
allo-Aromadendrene	0.02	Sesquiterpene
<i>cis</i> -Muurolo-4(15),5-diene	0.12	Sesquiterpene
<i>trans</i> -Cadina-1(6),4-diene	0.09	Sesquiterpene
γ -Muurolo	0.22	Sesquiterpene
Germacrene D	0.22	Sesquiterpene
β -Selinene	0.30	Sesquiterpene
δ -Selinene	0.16	Sesquiterpene
α -Selinene	0.28	Sesquiterpene
epi-Cubebol	0.01	Sesquiterpenic alcohol
Germacrene A	0.12	Sesquiterpene
δ -Amorphene	0.02	Sesquiterpene
δ -Guaiene	0.02	Sesquiterpene
γ -Cadinene	0.30	Sesquiterpene
<i>trans</i> -Calamenene	0.02	Sesquiterpene
Zonarene	0.03	Sesquiterpene
δ -Cadinene	0.64	Sesquiterpene
<i>trans</i> -Cadina-1,4-diene	0.05	Sesquiterpene
α -Cadinene	0.03	Sesquiterpene
α -Calacorene	0.02	Sesquiterpene
α -Elemol	0.04	Sesquiterpenic alcohol
Germacrene B	0.03	Sesquiterpene
Elemicin	0.01	Phenylpropanoid
Palustrol	0.01	Sesquiterpenic alcohol
Unknown	0.02	Oxygenated sesquiterpene
Germacrene D-4-ol	0.03	Sesquiterpenic alcohol
Caryophyllene oxide	0.27	Sesquiterpenic ether
Caryophyllene oxide isomer	0.02	Sesquiterpenic ether
Viridiflorol	0.05	Sesquiterpenic alcohol
Ledol	0.01	Sesquiterpenic alcohol
Copaborneol	0.03	Sesquiterpenic alcohol
Humulene epoxide II	0.06	Sesquiterpenic ether
10-epi-Cubenol	0.03	Sesquiterpenic alcohol

Unknown	0.06	Sesquiterpenic alcohol
Junenol	0.01	Sesquiterpenic alcohol
1-epi-Cubenol	0.05	Sesquiterpenic alcohol
τ-Muurolol	0.01	Sesquiterpenic alcohol
τ-Cadinol	0.17	Sesquiterpenic alcohol
Cubenol	tr	Sesquiterpenic alcohol
β-Eudesmol	0.03	Sesquiterpenic alcohol
α-Muurolol	0.01	Sesquiterpenic alcohol
α-Eudesmol	0.02	Sesquiterpenic alcohol
α-Cadinol	0.02	Sesquiterpenic alcohol
(3Z)-Caryophylla-3,8(13)-dien-5β-ol	0.03	Sesquiterpenic alcohol
Shyobunol	0.01	Sesquiterpenic alcohol
α-Phellandrene dimer II	0.04	Diterpene
α-Phellandrene dimer III	0.05	Diterpene
α-Phellandrene dimer IV	0.01	Diterpene
(3E)-Cembrene A	0.05	Diterpene
Verticilla-4(20),7,11-triene	0.03	Diterpene
Cembrene C	0.03	Diterpene
Cembrenol	0.02	Diterpenic alcohol
Serratol	0.13	Diterpenic alcohol
Incensole	0.05	Diterpenic alcohol
Consolidated total	98.58%	

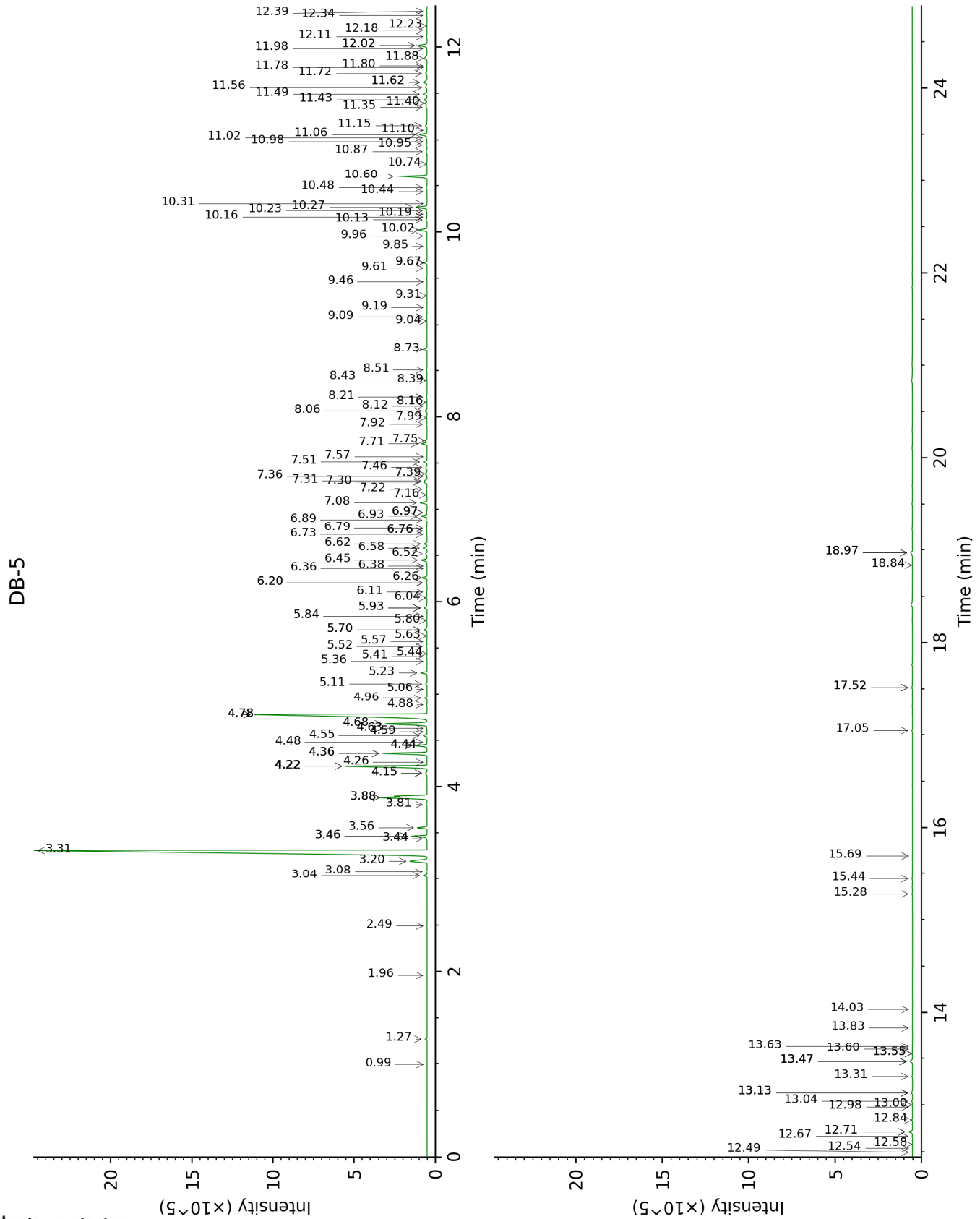
tr: The compound has been detected below 0.005% of total signal.

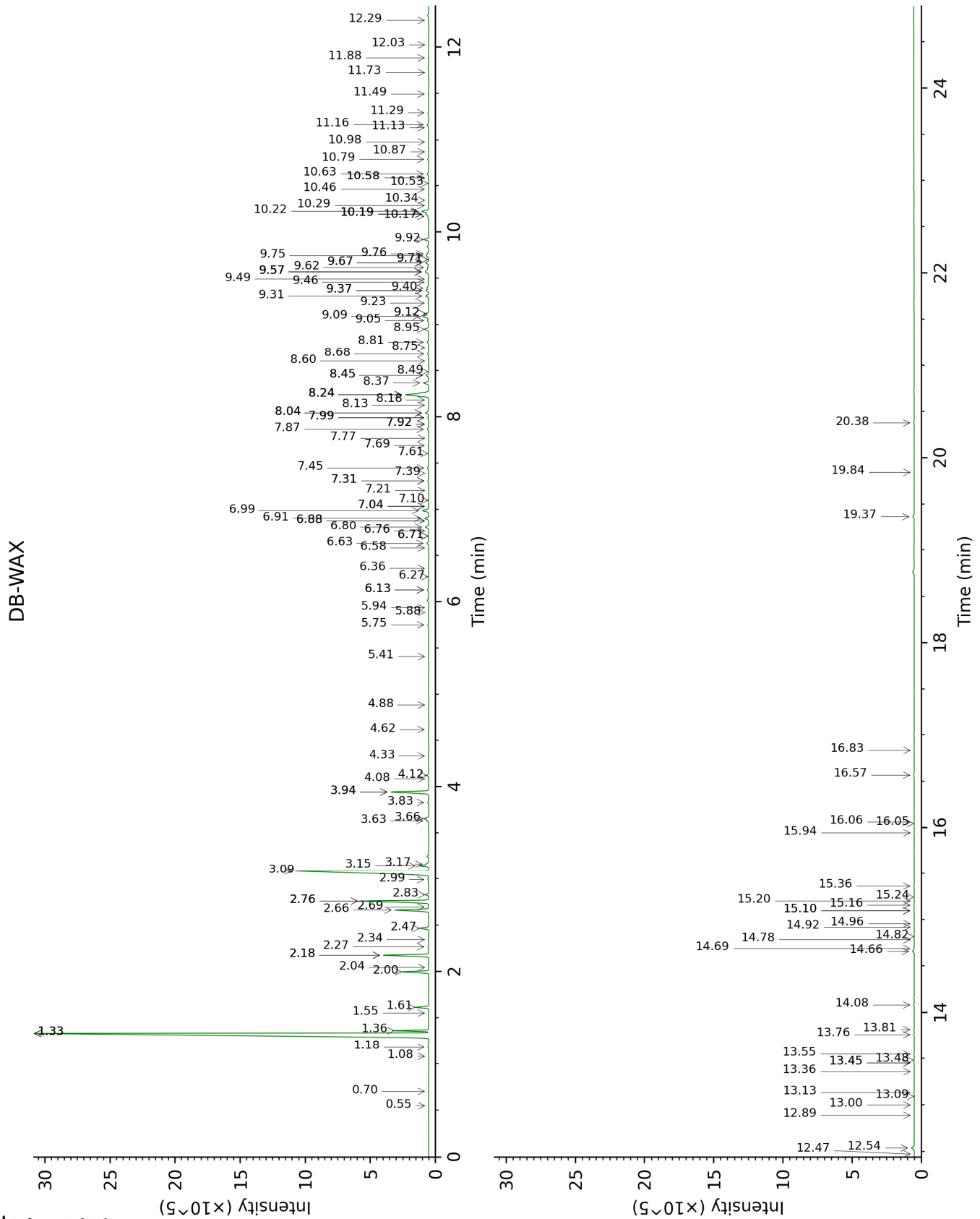
Note: no correction factor was applied

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	%
Unknown [m/z 93, 91 (70), 77 (48), 108 (42)]	0.99	722	tr	0.55	827	tr
Toluene	1.27	760	0.07	1.33*	999	46.22
Unknown [m/z 109, 67 (32), 81 (14), 41 (12), 124 (10)]	1.96	832	0.01	0.70	883	0.01
Unknown [m/z 79, 78 (45), 91 (28), 77 (28), 41 (13), 80 (12), 107 (11)... 122 (1)]	2.49	876	0.02	1.08	958	0.01
Hashishene	3.04	916	0.22	1.33*	999	[46.22]
Tricyclene	3.08	919	0.07	1.18	974	0.06
α -Thujene	3.20	927	1.50	1.36	1004	1.65
α -Pinene	3.31	935	46.10	1.33*	999	[46.22]
Unknown [m/z 91, 92 (47), 65 (11)... 134 (1)]	3.44	943	0.06	2.27	1095	0.06
Camphene	3.46*	945	0.86	1.61	1030	0.85
α -Fenchene	3.46*	945	[0.86]	1.55	1023	0.02
Thuja-2,4(10)-diene	3.56	951	0.55	2.18*	1085	3.21
3,7,7-Trimethylcyclohepta-1,3,5-triene	3.81	967	0.06	2.76*	1136	5.36
β -Pinene	3.88*†	972	4.58	2.00	1068	1.92
Sabinene	3.88*†	972	[4.58]	2.18*	1085	[3.21]
Dehydro-1,8-cineole	4.15*	989	0.15	2.99	1154	0.09
6-Methyl-5-hepten-2-one	4.15*	989	[0.15]	4.88	1298	0.01
2,7-Dimethyl-2,6-octadiene	4.22*	994	5.31	2.04	1072	0.01
Myrcene	4.22*	994	[5.31]	2.76*	1136	[5.36]
6-Methyl-5-hepten-2-ol	4.26	997	0.02	6.76	1432	0.02
Pseudolimonene	4.36*	1003	2.78	2.70	1130	0.05
α -Phellandrene	4.36*	1003	[2.78]	2.66	1128	2.60
ortho-Methylanisole	4.44*	1008	0.74	5.75	1357	0.09
Δ 3-Carene	4.44*	1008	[0.74]	2.47	1112	0.67
Unknown [m/z 117, 132 (88), 115 (68), 91 (55), 77 (20)]	4.48	1010	0.03			
α -Terpinene	4.55	1015	0.26	2.83	1141	0.25
meta-Cymene	4.59	1018	0.02	3.94*	1228	3.11
Carvomenthene	4.63	1020	0.03	2.34	1102	0.03
para-Cymene	4.68	1023	3.16	3.94*	1228	[3.11]
β -Phellandrene	4.78*	1029	16.87	3.15	1166	0.72
Limonene	4.78*	1029	[16.87]	3.09	1161	16.06
1,8-Cineole	4.78*	1029	[16.87]	3.17	1168	0.13
ortho-Cymene	4.88	1036	0.03	4.33	1257	0.03

(Z)-β-Ocimene	4.96	1040	0.14	3.63	1205	0.13
Unknown [m/z 109, 43 (57), 91 (28), 67 (25), 93 (24), 95 (22), 77 (21), 137 (21), 41 (17), 79 (14)...]	5.06	1046	0.01	7.10	1458	0.01
(E)-β-Ocimene	5.11	1050	0.08	3.83	1220	0.09
γ-Terpinene	5.23	1058	0.40	3.66	1207	0.43
cis-Sabinene hydrate	5.36	1065	0.01	6.71*	1428	0.03
Unknown [m/z 79, 93 (60), 43 (40), 94 (35), 137 (33), 77 (26), 91 (20), 152 (18)]	5.41	1069	0.04	4.62	1278	0.05
cis-Linalool oxide (fur.)	5.44	1070	0.02	6.36	1401	0.03
Octanol	5.52	1075	0.07	7.99*	1526	0.09
Unknown [m/z 43, 94 (63), 109 (61), 59 (55), 79 (51)...152 (2)]	5.57	1079	0.03	7.04*	1452	0.04
Isoterpinolene	5.63	1082	0.02	4.08	1238	0.02
Terpinolene	5.70*	1086	0.22	4.12	1241	0.14
para-Cymenene	5.70*	1086	[0.22]	6.13*	1384	0.11
6,7-Epoxymyrcene	5.80	1093	0.03	5.94	1370	0.02
trans-Sabinene hydrate	5.84	1096	0.01	7.77	1508	0.02
α-Thujone	5.93*	1101	0.24	5.88	1366	0.02
Linalool	5.93*	1101	[0.24]	7.87	1516	0.11
Verbenol analog?	6.04	1108	0.06	8.13	1536	0.03
β-Thujone	6.11	1112	0.05	6.13*	1384	[0.11]
trans-para-Mentha-2,8-dien-1-ol	6.20*	1118	0.06	8.75	1586	0.01
cis-para-Mentha-2-en-1-ol	6.20*	1118	[0.06]	7.92*	1520	0.04
α-Campholenal	6.26	1122	0.33	6.80	1435	0.30
cis-Limonene oxide	6.36	1128	0.02	6.27	1395	0.01
allo-Ocimene	6.38	1130	0.01	5.41	1332	0.02
trans-Pinocarveol	6.45	1134	0.42	8.95	1602	0.41
trans-Sabinol	6.52	1138	0.12	9.62	1656	0.11
trans-Verbenol	6.58	1142	0.26	9.31	1631	0.27
meta-Mentha-4,6-dien-8-ol	6.62	1145	0.18	9.12*†	1615	[0.77]
Unknown [m/z 109, 81 (39), 41 (38), 95 (24)... 152 (1)]	6.73	1152	0.03			
Pinocamphone	6.76*	1154	0.05	7.04*	1452	[0.04]
Unknown [m/z 97, 81 (96), 109 (80), 43 (53), 53 (40), 41 (36), 56 (29), 95 (25)... 152 (1)]	6.76*	1154	[0.05]	7.31*	1473	0.11
Pinocarvone	6.80	1156	0.04	7.69	1502	0.05
Borneol	6.89	1162	0.09	9.57*	1652	0.49
α-Phellandren-8-ol	6.93	1165	0.42	9.92	1681	0.42

Isopinocampone	6.97*	1167	0.06	7.39	1480	0.01
<i>cis</i> -Sabinol	6.97*	1167	[0.06]	10.58*	1737	0.03
Terpinen-4-ol	7.08	1174	0.47	8.37	1555	0.48
Thuj-3-en-10-al	7.16	1179	0.05	8.49	1565	0.02
para-Cymen-8-ol	7.22	1183	0.09	11.29	1798	0.07
α -Terpineol	7.30	1188	0.28	9.57*	1652	[0.49]
Myrtenal	7.31	1189	0.10	8.45*	1562	0.23
β -Phellandren-8-ol	7.36	1192	0.01	10.52	1732	0.02
Myrtenol	7.39	1194	0.13	10.63	1741	0.13
<i>cis</i> - α -Phellandrene epoxide (iPr vs Me)	7.46	1198	0.12	10.79	1755	0.11
Verbenone	7.52	1202	0.27	9.37*†	1636	0.47
<i>trans</i> -Piperitol	7.57	1206	0.02	10.17	1702	0.07
Octyl acetate	7.71	1215	0.34	6.91†	1443	[0.37]
<i>trans</i> -Carveol	7.74	1217	0.14	11.16	1787	0.14
<i>cis</i> -Carveol	7.92	1229	0.04	11.50	1816	0.04
Cuminal	7.99	1234	0.05	10.29	1711	0.05
Carvone	8.06	1238	0.13	9.76	1668	0.10
Carvotanacetone	8.12	1242	0.02	9.23	1624	0.09
Hexyl isovalerate	8.16	1244	0.02	6.58	1418	0.02
Piperitone	8.21	1248	0.05	9.67*	1660	0.31
Linalyl acetate	8.39	1260	0.01	7.92*	1520	[0.04]
3,5- Dimethoxytoluene	8.43	1263	0.03	11.13	1784	0.03
Unknown [m/z 109, 41 (22), 81 (14), 43 (11)... 152 (4)]	8.51	1268	0.05			
Bornyl acetate	8.73	1283	0.28	8.04*	1530	0.32
Thymol	9.04	1303	0.02	14.82	2128	0.01
Carvacrol	9.08	1307	0.04	15.10*	2156	0.05
para-Menth-5-en- 1,2-diol isomer III	9.19	1314	0.02	14.96	2142	0.02
Myrtenyl acetate	9.31	1323	0.01	9.40†	1638	[0.47]
Bicycloelemene	9.46	1333	0.02	6.88*†	1441	0.37
Unknown [m/z 133, 105 (45), 91 (38), 119 (36)... 150 (3)]	9.61	1344	0.02			
α -Terpinyl acetate	9.67*	1348	0.21	9.49	1646	0.05
α -Cubebene	9.67*	1348	[0.21]	6.63	1422	0.16
Cyclosativene I	9.85	1360	0.01	6.71*	1428	[0.03]
α -Ylangene	9.96	1368	0.03	6.88*†	1441	[0.37]
α -Copaene	10.02	1373	0.58	6.99	1449	0.60
β -Bourbonene	10.13	1380	0.08	7.31*	1473	[0.11]
1,5-diepi- β - Bourbonene	10.16	1382	0.03	7.21	1465	0.01
Geranyl acetate	10.19	1385	0.02	10.34	1716	0.02
β -Cubebene	10.23	1387	0.05	7.61	1496	0.06
β -Elemene	10.27	1390	0.77	8.24*	1545	3.01
Unknown [m/z 71, 100 (92), 111 (79), 69 (46), 109 (45)...]	10.31	1393	0.02	16.83	2338	0.01
Isocaryophyllene	10.44	1402	0.03	7.99*	1526	[0.09]

α -Gurjunene	10.48	1405	0.06	7.45	1484	0.14
<i>cis</i> - α -Bergamotene	10.60*	1414	2.20	8.04*	1530	[0.32]
β -Caryophyllene	10.60*	1414	[2.20]	8.24*	1545	[3.01]
β -Copaene	10.74	1424	0.04	8.18	1541	0.03
<i>trans</i> - α -Bergamotene	10.87	1434	0.10	8.24*	1545	[3.01]
6,9-Guaiadiene	10.95	1440	0.08	8.45*	1562	[0.23]
Unknown [m/z 91, 161 (92), 105 (85), 119 (63), 133 (53), 79 (49), 204 (46)]	10.98	1442	0.02	8.60	1574	0.02
<i>trans</i> -Muurolo-3,5-diene	11.02	1445	0.08	8.68	1580	0.12
α -Humulene	11.06	1448	0.55	9.09†	1613	0.77
allo-Aromadendrene	11.10	1451	0.02	8.81	1590	0.17
<i>cis</i> -Muurolo-4(15),5-diene	11.15	1455	0.12	9.12*†	1615	[0.77]
<i>trans</i> -Cadina-1(6),4-diene	11.35	1470	0.09	9.05	1609	0.15
γ -Muurolole	11.40	1473	0.22	9.37*†	1636	[0.47]
Germacrene D	11.43	1476	0.22	9.57*	1652	[0.49]
β -Selinene	11.49	1480	0.30	9.67*	1660	[0.31]
δ -Selinene	11.56	1485	0.16	9.46	1643	0.06
α -Selinene	11.62*	1490	0.34	9.75	1667	0.28
epi-Cubebol	11.62*	1490	[0.34]	11.73	1837	0.01
Germacrene A	11.72	1497	0.12	10.19*	1704	0.30
δ -Amorphene	11.78	1502	0.02	9.70*	1663	0.03
δ -Guaiene	11.80	1503	0.02	9.70*	1663	[0.03]
γ -Cadinene	11.88	1509	0.30	10.19*	1704	[0.30]
<i>trans</i> -Calamenene	11.98	1517	0.02	10.98	1771	0.02
Zonarene	12.02*	1520	0.67	10.19*	1704	[0.30]
δ -Cadinene	12.02*	1520	[0.67]	10.22	1706	0.64
<i>trans</i> -Cadina-1,4-diene	12.11	1528	0.05	10.46	1726	0.05
α -Cadinene	12.18	1533	0.03	10.58*	1737	[0.03]
α -Calacorene	12.23	1536	0.02	11.88	1851	0.04
α -Elemol	12.34	1545	0.04	13.82	2030	0.04
Germacrene B	12.39	1549	0.03	10.87	1762	0.04
Elemicin	12.49	1557	0.01	15.24	2171	0.02
Palustrol	12.54	1561	0.01	12.02	1864	0.01
Unknown [m/z 152, 109 (61), 43 (21), 137 (16), 151 (16)... 222 (6)]	12.58	1564	0.02			
Germacrene D-4-ol	12.67	1571	0.03	13.45*	1995	0.03
Caryophyllene oxide	12.71*	1574	0.28	12.54	1910	0.27
Caryophyllene oxide isomer	12.71*	1574	[0.28]	12.47	1904	0.02
Viridiflorol	12.84	1584	0.05	13.76	2024	0.04
Ledol	12.98	1595	0.01	13.09	1962	0.01
Copaborneol	13.00	1597	0.03	14.69	2115	0.04
Humulene epoxide II	13.04	1600	0.06	13.13	1965	0.06

10-epi-Cubenol	13.13*	1607	0.09	13.48	1998	0.03
Unknown [m/z 161, 189 (76), 204 (66), 105 (60), 119 (46), 107 (41), 59 (38)...222 (3)]	13.13*	1607	[0.09]	14.08	2056	0.06
Junenol	13.13*	1607	[0.09]	13.36	1986	0.01
1-epi-Cubenol	13.31	1622	0.05	13.55	2004	0.04
τ -Muurolol	13.47*	1635	0.20	14.78	2125	0.01
τ -Cadinol	13.47*	1635	[0.20]	14.66	2112	0.17
Cubenol	13.47*	1635	[0.20]	13.45*	1995	[0.03]
β -Eudesmol	13.55*	1642	0.05	15.16	2162	0.03
α -Muurolol	13.55*	1642	[0.05]	14.92	2138	0.01
α -Eudesmol	13.60	1646	0.02	15.10*	2156	[0.05]
α -Cadinol	13.63	1648	0.02	15.20	2167	0.01
(3Z)-Caryophylla-3,8(13)-dien-5 β -ol	13.83	1665	0.03	16.57	2309	0.06
Shyobunol	14.03	1682	0.01	16.04	2254	0.01
α -Phellandrene dimer II	15.28	1788	0.04	12.29	1887	0.04
α -Phellandrene dimer III	15.44	1803	0.05	12.89	1943	0.02
α -Phellandrene dimer IV	15.69	1826	0.01	13.00	1953	0.01
(3E)-Cembrene A	17.05	1950	0.05	15.36	2184	0.05
Verticilla-4(20),7,11-triene	17.52*	1995	0.05	16.06	2256	0.03
Cembrene C	17.52*	1995	[0.05]	15.94	2244	0.03
Cembrenol	18.84	2126	0.02	19.84	2682	0.02
Serratol	18.97*	2140	0.17	19.37	2625	0.13
Incenseol	18.97*	2140	[0.17]	20.38	2748	0.05
Total identified		98.57%			97.98%	
Total reported		98.92%			98.23%	

*: 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