PLANT THERAPY
100% PURE ESSENTIAL OILS

GC/MS BATCH NUMBER: F30105

ESSENTIAL OIL: FRANKINCENSE CARTERI
BOTANICAL NAME: BOSWELLIA CARTERII
ORIGIN: SOMALIA

KEY CONSTITUENTS PRESENT IN THIS BATCH OF FRANKINCENSE CARTERI OIL	%
α-PINENE	32.4
LIMONENE	14.6
α-THUJENE	11.0
SABINENE	5.0
p-CYMENE	4.2
MYRCENE	3.8
β-CARYOPHYLLENE	3.7
β-PINENE	3.3
α-PHELLANDRENE	1.7
Δ3-CARENE	1.1

Comments from Robert Tisserand: An excellent dry, chalky-lemony Frankincense oil, with no red flags, and an unusually high (1.5%) content of heavy molecules.

Date : May 03, 2018

Certificate of Analysis - GC Profiling

Sample identification

Internal code : 18D23-PTH6-1-CC
Customer identification : Frankincense Carteri - Somalia - F3010564R
Type : Essential oil
Source : *Boswellia carterii*
Customer : Plant Therapy

Analysis

Method: PC-PA-014-17J19 - Analysis of the composition of an essential oil, or other volatile liquid, by FAST GC-FID (in French); identifications validated by GC-MS.
Analyst : Benoit Roger, Ph. D.
Analysis date : April 26, 2018

Checked and approved by :

Alexis St-Gelais, M. Sc., chimiste 2013-174

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PHYSICOCHEMICAL DATA

Physical aspect: Light yellow liquid
Refractive index: 1.4740 ± 0.0003 (20 °C)

CONCLUSION

No adulterant, contaminant or diluent has been detected using this method.

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ANALYSIS SUMMARY

Identification	DB-5 (%)	DB-WAX (%)	Classe
Toluene	0.04	32.53*	Simple phenolic
Unknown	0.01	tr	Alkene
Unknown	tr	tr	Unknown
Hashishene	0.09	[32.53]*	Monoterpene
Tricyclene	0.03	0.04	Monoterpene
α-Thujene	10.99	11.09	Monoterpene
α-Pinene	32.41	[32.53]*	Monoterpene
Unknown	0.23	0.22*	Monoterpene
Camphene	0.43*	0.42	Monoterpene
α-Fenchene	[0.43]*	0.02	Monoterpene
Thuja-2,4(10)-diene	0.15	5.27*	Monoterpene
meta-Cymene	0.02	3.47*	Monoterpene
Sabinene	8.28*	[5.27]*	Monoterpene
β-Pinene	[8.28]*	3.32	Monoterpene
Pseudolimonene isomer	0.03	0.02	Monoterpene
Myrcene	3.77	[3.47]*	Monoterpene
6-Methyl-5-hepten-2-ol	0.01	0.01*	Aliphatic alcohol
2-Carene	0.01	[0.22]*	Monoterpene
α-Phellandrene	1.80*	1.66	Monoterpene
Pseudolimonene	[1.80]*	0.07	Monoterpene
Octanal	[1.80]*	0.02	Aliphatic aldehyde
Δ3-Carene	1.06*	1.03	Monoterpene
ortho-Methylanisole	[1.06]*	0.03	Simple phenolic
α-Terpinene	0.47*	0.48*	Monoterpene
1,4-Cineole	[0.47]*	[0.48]*	Monoterpenic ether
Carvomenthene	0.01*	tr	Aliphatic alcohol
ortho-Cymene	[0.01]*	4.14*	Simple phenolic
para-Cymene	4.20	[4.14]*	Monoterpene
Limonene	15.27*	14.58	Monoterpene
β-Phellandrene	[15.27]*	0.40	Monoterpene
1,8-Cineole	[15.27]*	0.30	Monoterpenic ether
Cymene analog	0.01	0.01	Monoterpene
(*Z*)-β-Ocimene	0.10	0.09	Monoterpene
Unknown	0.01		Unknown
(*E*)-β-Ocimene	0.08	0.09	Monoterpene
γ-Terpinene	0.67	0.73	Monoterpene
Unknown	0.10*	0.10	Oxygenated monoterpene
cis-Sabinene hydrate	[0.10]*	[0.01]*	Monoterpenic alcohol
meta-Cymenene	0.01	0.03	Monoterpene
Terpinolene	0.27*	0.15	Monoterpene
para-Cymenene	[0.27]*	0.20*	Monoterpene
γ-Campholenal	0.02	0.01	Aliphatic alcohol
α-Pinene oxide	0.01	0.01	Monoterpenic ether
6,7-Epoxymyrcene	0.01	0.01	Monoterpenic ether
trans-Sabinene hydrate	tr	0.01	Monoterpenic alcohol
Perillene	0.11*	0.01	Monoterpenic ether
Linalool	[0.11]*	0.06	Monoterpenic alcohol
α-Thujone	0.02	0.02	Monoterpenic ketone

Unknown	0.04	4.51*	Monoterpenic alcohol
β-Thujone	0.09*	[0.20]*	Monoterpenic ketone
Verbenol analog?	[0.09]*	0.02	Monoterpenic alcohol
trans-para-Mentha-2,8-dien-1-ol	0.03	0.02	Monoterpenic alcohol
α-Campholenal	0.13*	0.09	Monoterpenic aldehyde
cis-para-Menth-2-en-1-ol	[0.13]*	0.02	Monoterpenic alcohol
cis-Limonene oxide	0.02	0.01	Monoterpenic ether
trans-Pinocarveol	0.19	0.18	Monoterpenic alcohol
trans-Sabinol	0.04	0.48*	Monoterpenic alcohol
trans-Verbenol	0.05	0.06	Monoterpenic alcohol
meta-Mentha-4,6-dien-8-ol	0.12	0.12	Monoterpenic alcohol
Unknown	0.02		Oxygenated monoterpene
Pinocamphone	0.02	0.02	Monoterpenic ketone
Pinocarvone	0.01	tr	Monoterpenic ketone
Borneol	0.30	[0.48]*	Monoterpenic alcohol
α-Phellandren-8-ol	0.07*	0.27	Monoterpenic alcohol
cis-Sabinol	[0.07]*	0.10*	Monoterpenic alcohol
Terpinen-4-ol	0.79	0.78	Monoterpenic alcohol
Thuj-3-en-10-al	0.03	0.02	Monoterpenic aldehyde
meta-Cymen-8-ol	0.06	0.05	Monoterpenic alcohol
para-Cymen-8-ol	0.01	0.02	Monoterpenic alcohol
α-Terpineol	0.28	[0.48]*	Monoterpenic alcohol
Myrtenal	0.04	0.06	Monoterpenic aldehyde
Myrtenol	0.09	[0.10]*	Monoterpenic alcohol
Methylchavicol	0.04	0.14*	Phenylpropanoid
α-Phellandrene epoxide	0.15	0.14	Monoterpenic ether
Verbenone	0.16	0.14	Monoterpenic ketone
trans-Piperitol	0.01	0.53*	Monoterpenic alcohol
trans-Carveol	0.24*	0.13*	Monoterpenic alcohol
Octyl acetate	[0.24]*	0.14	Aliphatic ester
cis-Carveol	0.05	0.05	Monoterpenic alcohol
Cuminal	0.10*	0.08*	Monoterpenic aldehyde
Hexyl 2-methylbutyrate	[0.10]*	0.01	Aliphatic ester
Carvone	0.08	0.07	Monoterpenic ketone
Carvotanacetone	0.09	0.07	Monoterpenic ketone
Unknown	0.04*	0.04	Unknown
Piperitone	[0.04]*	0.06	Monoterpenic ketone
3,5-Dimethoxytoluene	0.04	[0.13]*	Simple phenolic
Bornyl acetate	0.20	0.22	Monoterpenic ester
Thymol	0.06	0.04*	Monoterpenic alcohol
Carvacrol	0.01	0.01	Monoterpenic alcohol
Bicycloelemene	0.03	0.04	Sesquiterpene
α-Cubebene	0.23	0.20	Sesquiterpene
Cyclosativene I	0.01	0.02	Sesquiterpene
Cyclosativene II	0.02	0.02	Sesquiterpene
α-Copaene	0.70	0.69	Sesquiterpene
β-Bourbonene	0.11	0.11	Sesquiterpene
β-Cubebene	0.03	0.04	Sesquiterpene
β-Elemene	0.83	[4.51]*	Sesquiterpene
α-Gurjunene	0.08	0.08	Sesquiterpene
β-Caryophyllene	3.73	[4.51]*	Sesquiterpene
β-Copaene	0.04	0.04	Sesquiterpene

trans-α-Bergamotene	0.09	[4.51]*	Sesquiterpene
6,9-Guaiadiene	0.02	0.05	Sesquiterpene
trans-Muurola-3,5-diene	0.11	0.15	Sesquiterpene
α-Humulene	0.79	0.75	Sesquiterpene
allo-Aromadendrene	0.14	0.18	Sesquiterpene
cis-Muurola-4(15),5-diene	0.05	[0.14]*	Sesquiterpene
trans-Cadina-1(6),4-diene	0.21	0.18	Sesquiterpene
γ-Muurolene	0.36	0.33	Sesquiterpene
Germacrene D	0.11	[0.48]*	Sesquiterpene
β-Selinene	0.38	0.38*	Sesquiterpene
trans-Muurola-4(15),5-diene	0.02	[0.38]*	Sesquiterpene
δ-Selinene	0.09	0.14	Sesquiterpene
Bicyclogermacrene	0.43*	0.21*	Sesquiterpene
α-Selinene	[0.43]*	0.34	Sesquiterpene
epi-Cubebol	[0.43]*	0.02	Sesquiterpenic alcohol
α-Muurolene	0.19	[0.21]*	Sesquiterpene
γ-Cadinene	0.49*	[0.53]*	Sesquiterpene
Cubebol	[0.49]*	0.02	Sesquiterpenic alcohol
δ-Cadinene	1.14	1.04	Sesquiterpene
trans-Cadina-1,4-diene	0.09	[0.08]*	Sesquiterpene
α-Cadinene	0.05	0.09	Sesquiterpene
Isocaryophyllene epoxide B	0.06	0.05	Sesquiterpenic ether
Unknown	0.01		Oxygenated sesquiterpene
Germacrene D-4-ol	0.05	0.06	Sesquiterpenic alcohol
Caryophyllene oxide isomer	0.25*	0.01	Sesquiterpenic ether
Spathulenol	[0.25]*	0.04	Sesquiterpenic alcohol
Caryophyllene oxide	[0.25]*	0.17	Sesquiterpenic ether
Viridiflorol	0.12	0.11	Sesquiterpenic alcohol
Copaborneol	0.09	0.08	Sesquiterpenic alcohol
Humulene epoxide II	0.04	0.05	Sesquiterpenic ether
10-epi-Cubenol	0.13		Sesquiterpenic alcohol
1-epi-Cubenol	0.09	0.09	Sesquiterpenic alcohol
τ-Cadinol	0.51*	0.43	Sesquiterpenic alcohol
τ-Muurolol	[0.51]*	[0.04]*	Sesquiterpenic alcohol
β-Eudesmol	0.09*	0.10	Sesquiterpenic alcohol
α-Muurolol	[0.09]*	0.04	Sesquiterpenic alcohol
α-Cadinol	0.06	0.05	Sesquiterpenic alcohol
(3*Z*)-Caryophylla-3,8(13)-dien-5β-ol	0.06	0.06	Sesquiterpenic alcohol
Shyobunol	0.01	0.01	Sesquiterpenic alcohol
α-Phellandrene dimer II	0.05	0.05	Diterpene
α-Phellandrene dimer III	0.03	0.02	Diterpene
α-Phellandrene dimer IV	0.01	tr	Diterpene
(3*E*)-Cembrene A	0.14		Diterpene
Cembrene C	0.04		Diterpene
Verticilla-4(20),7,11-triene	0.02		Diterpene
Cembrenol	0.16	0.15	Diterpenic alcohol
Serratol	1.43*	0.88	Diterpenic alcohol
Incensole	[1.43]*	0.45	Diterpenic alcohol
Total identified	**98.17%**	**97.19%**	

*: Two or more compounds are coeluting on this column
[xx]: Duplicate percentage due to coelutions, not taken account in the identified total
tr: The compound has been detected below 0.005% of total signal.

Note: no correction factor was applied

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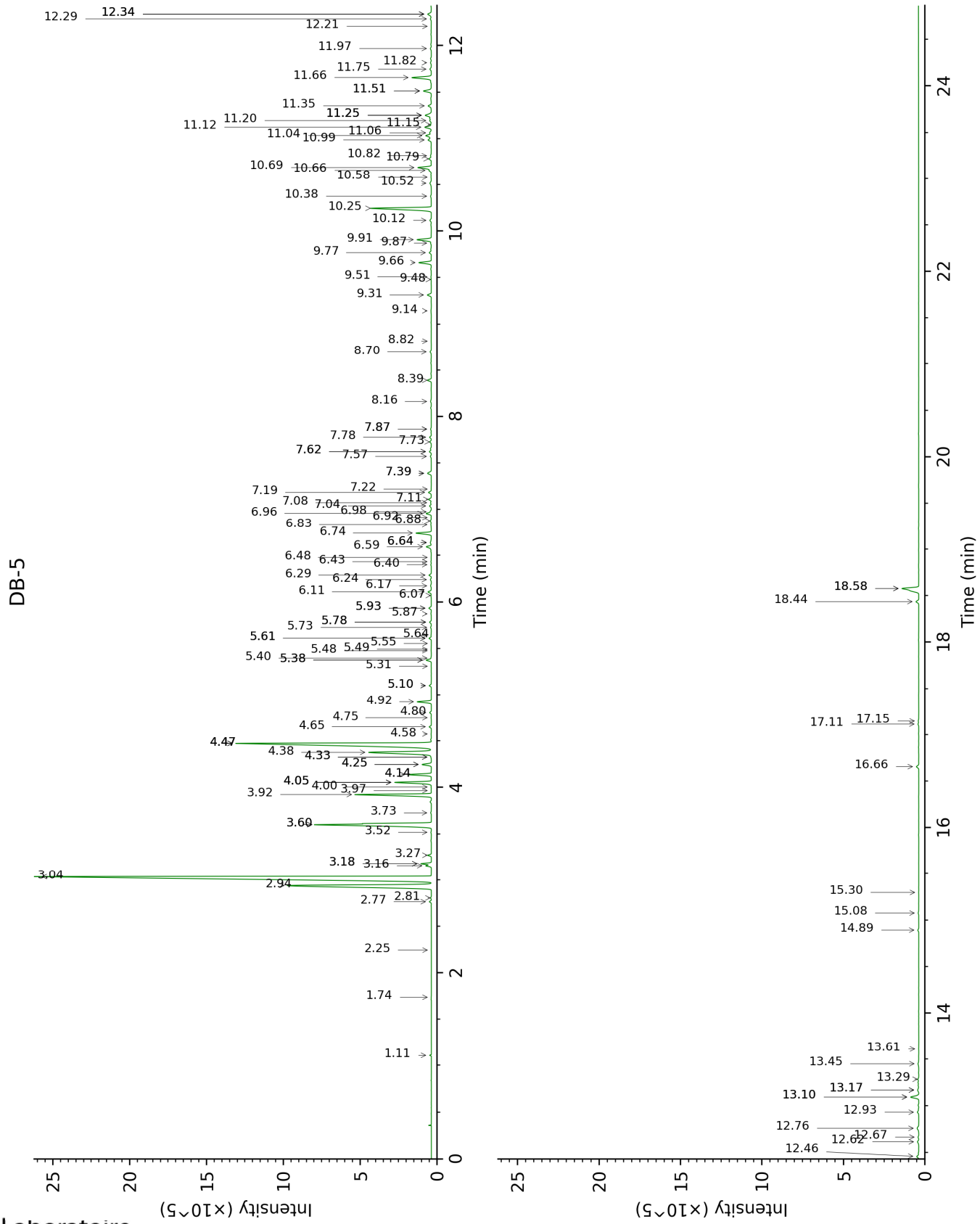
DB-5
Time (min)
Intensity (×10^5)
12.29
12.34
12.21
11.97
11.82
11.75
11.66
11.51
11.35
11.25
11.20
11.12
11.15
11.06
11.04
10.99
10.82
10.79
10.69
10.66
10.58
10.52
10.38
10.25
10.12
9.91
9.87
9.77
9.66
9.51
9.48
9.31
9.14
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8.70
8.39
8.16
7.87
7.78
7.73
7.62
7.57
7.39
7.22
7.19
7.11
7.08
7.04
6.98
6.96
6.92
6.88
6.83
6.74
6.64
6.59
6.48
6.43
6.40
6.29
6.24
6.17
6.11
6.07
5.93
5.87
5.78
5.73
5.64
5.61
5.55
5.49
5.48
5.40
5.38
5.31
5.10
4.92
4.80
4.75
4.65
4.58
4.47
4.38
4.33
4.25
4.14
4.05
4.00
3.97
3.92
3.73
3.60
3.52
3.27
3.18
3.16
3.04
2.94
2.81
2.77
2.25
1.74
1.11
18.58
18.44
17.15
17.11
16.66
15.30
15.08
14.89
13.61
13.45
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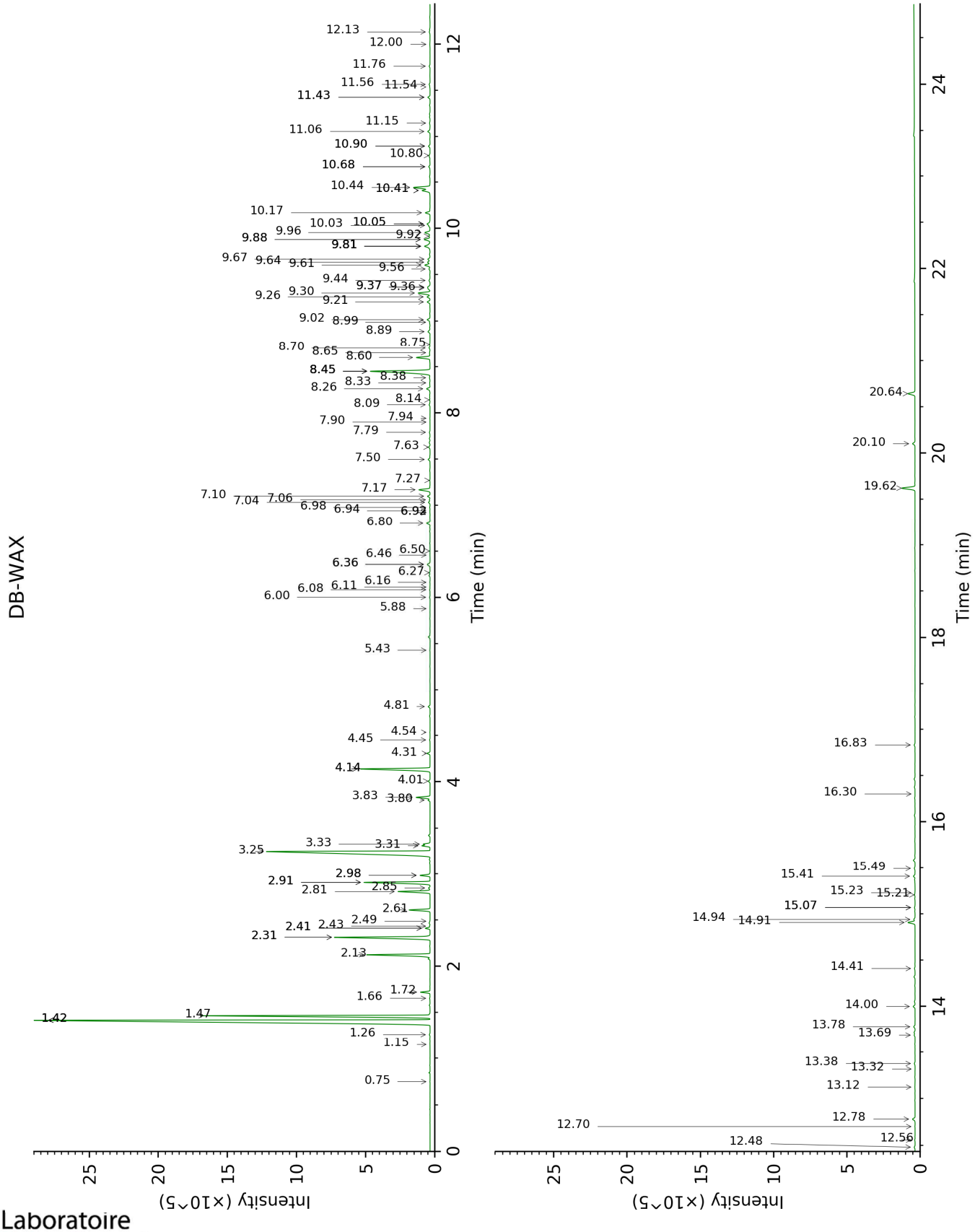
13.17
13.10
12.93
12.76
12.67
12.62
12.46



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FULL ANALYSIS DATA

Identification	Column DB-5			Column DB-WAX		
	R.T	R.I	%	R.T	R.I	%
Toluene	1.11	752	0.04	1.42*	1000	32.53
Unknown [m/z 109, 67 (32), 81 (14), 41 (12), 124 (10)]	1.74	827	0.01	0.75	880	tr
Unknown [m/z 79, 78 (45), 91 (28), 77 (28), 41 (13), 80 (12), 107 (11)... 122 (1)]	2.24	870	tr	1.15	956	tr
Hashishene	2.76	912	0.09	1.42*	1000	[32.53]
Tricyclene	2.81	915	0.03	1.26	975	0.04
α-Thujene	2.94	924	10.99	1.47	1005	11.09
α-Pinene	3.04	930	32.41	1.42*	1000	[32.53]
Unknown [m/z 91, 92 (47), 65 (11)... 134 (1)]	3.16	938	0.23	2.41*	1098	0.22
Camphene	3.18*	940	0.43	1.72	1030	0.42
α-Fenchene	3.18*	940	[0.43]	1.66	1024	0.02
Thuja-2,4(10)-diene	3.27	946	0.15	2.31*	1089	5.27
meta-Cymene	3.52	963	0.02	2.91*	1137	3.47
Sabinene	3.60*	968	8.28	2.31*	1089	[5.27]
β-Pinene	3.60*	968	[8.28]	2.13	1070	3.32
Pseudolimonene isomer	3.73	977	0.03	2.43	1100	0.02
Myrcene	3.92	990	3.77	2.91*	1137	[3.47]
6-Methyl-5-hepten-2-ol	3.97	993	0.01	6.92*	1430	0.01
2-Carene	4.00	996	0.01	2.41*	1098	[0.22]
α-Phellandrene	4.06*	999	1.80	2.81	1129	1.66
Pseudolimonene	4.06*	999	[1.80]	2.85	1132	0.07
Octanal	4.06*	999	[1.80]	4.45	1251	0.02
Δ3-Carene	4.14*	1004	1.06	2.61	1114	1.03
ortho-Methylanisole	4.14*	1004	[1.06]	6.00	1363	0.03
α-Terpinene	4.25*	1011	0.47	2.98*	1143	0.48
1,4-Cineole	4.25*	1011	[0.47]	2.98*	1143	[0.48]
Carvomenthene	4.33*	1016	0.01	2.49	1105	tr
ortho-Cymene	4.33*	1016	[0.01]	4.14*	1229	4.14
para-Cymene	4.38	1020	4.20	4.14*	1229	[4.14]
Limonene	4.47*	1026	15.27	3.25	1163	14.58
β-Phellandrene	4.47*	1026	[15.27]	3.31	1168	0.40
1,8-Cineole	4.47*	1026	[15.27]	3.33	1170	0.30
Cymene analog	4.58	1032	0.01	4.54	1257	0.01
(*Z*)-β-Ocimene	4.65	1037	0.10	3.80	1205	0.09
Unknown (m/z 109, 43 (57), 91	4.75	1043	0.01			

(28), 67 (25), 93 (24), 95 (22), 77 (21), 137 (21), 41 (17), 79 (14)...]						
(*E*)-β-Ocimene	4.80	1046	0.08	4.01	1220	0.09
γ-Terpinene	4.92	1054	0.67	3.83	1208	0.73
Unknown [m/z 79, 93 (60), 43 (40), 94 (35), 137 (33), 77 (26), 91 (20), 152 (18)]	5.10*	1065	0.10	4.81	1277	0.10
cis-Sabinene hydrate	5.10*	1065	[0.10]	6.92*	1430	[0.01]
meta-Cymenene	5.31	1078	0.01	6.27	1382	0.03
Terpinolene	5.38*	1083	0.27	4.31	1241	0.15
para-Cymenene	5.38*	1083	[0.27]	6.36*	1389	0.20
γ-Campholenal	5.40	1084	0.02	5.88	1354	0.01
α-Pinene oxide	5.48	1089	0.01	5.43	1322	0.01
6,7-Epoxymyrcene	5.49	1090	0.01	6.11	1371	0.01
trans-Sabinene hydrate	5.56	1094	tr	7.94	1506	0.01
Perillene	5.61*	1098	0.11	6.16	1375	0.01
Linalool	5.61*	1098	[0.11]	8.09	1518	0.06
α-Thujone	5.64	1100	0.02	6.08	1369	0.02
Unknown [m/z 119, 109 (94), 43 (61), 95 (56), 91 (48), 77 (32), 152 (32), 137 (31), 134 (24)]	5.73	1105	0.04	8.45*	1546	4.51
β-Thujone	5.78*	1109	0.09	6.36*	1389	[0.20]
Verbenol analog?	5.78*	1109	[0.09]	8.33	1536	0.02
trans-para-Mentha-2,8-dien-1-ol	5.87	1114	0.03	8.99	1587	0.02
α-Campholenal	5.93*	1118	0.13	7.04	1438	0.09
cis-para-Menth-2-en-1-ol	5.93*	1118	[0.13]	8.14	1522	0.02
cis-Limonene oxide	6.07	1127	0.02	6.50	1399	0.01
trans-Pinocarveol	6.11	1130	0.19	9.21	1604	0.18
trans-Sabinol	6.17	1134	0.04	9.81*	1653	0.48
trans-Verbenol	6.24	1138	0.05	9.56	1633	0.06
meta-Mentha-4,6-dien-8-ol	6.29	1141	0.12	9.36	1617	0.12
Unknown [m/z 109, 81 (39), 41 (38), 95 (24)... 152 (1)]	6.40	1148	0.02			
Pinocamphone	6.43	1150	0.02	7.27	1456	0.02
Pinocarvone	6.48	1153	0.01	7.90	1503	tr
Borneol	6.59	1161	0.30	9.81*	1653	[0.48]

α-Phellandren-8-ol	6.64*	1164	0.07	10.17	1683	0.27
cis-Sabinol	6.64*	1164	[0.07]	10.90*	1744	0.10
Terpinen-4-ol	6.74	1170	0.79	8.60	1557	0.78
Thuj-3-en-10-al	6.83	1176	0.03	8.75	1569	0.02
meta-Cymen-8-ol	6.88	1179	0.06	11.56	1800	0.05
para-Cymen-8-ol	6.92	1181	0.01	11.54	1798	0.02
α-Terpineol	6.96	1184	0.28	9.81*	1653	[0.48]
Myrtenal	6.98	1185	0.04	8.70	1565	0.06
Myrtenol	7.04	1190	0.09	10.90*	1744	[0.10]
Methylchavicol	7.08	1192	0.04	9.37*	1618	0.14
α-Phellandrene epoxide	7.11	1194	0.15	11.06	1757	0.14
Verbenone	7.19	1199	0.16	9.64	1639	0.14
trans-Piperitol	7.22	1201	0.01	10.41*	1702	0.53
trans-Carveol	7.39*	1213	0.24	11.43*	1788	0.13
Octyl acetate	7.39*	1213	[0.24]	7.10	1443	0.14
cis-Carveol	7.57	1225	0.05	11.76	1818	0.05
Cuminal	7.62*	1228	0.10	10.68*	1725	0.08
Hexyl 2-methylbutyrate	7.62*	1228	[0.10]	6.46	1396	0.01
Carvone	7.73	1235	0.08	10.03	1672	0.07
Carvotanacetone	7.78	1239	0.09	9.44	1623	0.07
Unknown [m/z 43, 97 (69), 107 (46), 41 (28), 55 (21), 109 (20)...]	7.87*	1244	0.04	11.15	1765	0.04
Piperitone	7.87*	1244	[0.04]	9.92	1662	0.06
3,5-Dimethoxytoluene	8.16	1264	0.04	11.43*	1788	[0.13]
Bornyl acetate	8.39	1280	0.20	8.26	1531	0.22
Thymol	8.70	1300	0.06	15.07*	2127	0.04
Carvacrol	8.82	1309	0.01	15.23	2143	0.01
Bicycloelemene	9.14	1332	0.03	7.06	1440	0.04
α-Cubebene	9.32	1344	0.23	6.80	1421	0.20
Cyclosativene I	9.48	1356	0.01	6.94	1432	0.02
Cyclosativene II	9.51	1358	0.02	6.98	1434	0.02
α-Copaene	9.66	1369	0.70	7.17	1449	0.69
β-Bourbonene	9.77	1376	0.11	7.50	1473	0.11
β-Cubebene	9.87	1384	0.03	7.79	1495	0.04
β-Elemene	9.91	1386	0.83	8.45*	1546	[4.51]
α-Gurjunene	10.12	1401	0.08	7.63	1483	0.08
β-Caryophyllene	10.25	1410	3.73	8.45*	1546	[4.51]
β-Copaene	10.38	1420	0.04	8.38	1540	0.04
trans-α-Bergamotene	10.52	1431	0.09	8.45*	1546	[4.51]
6,9-Guaiadiene	10.58	1436	0.02	8.65	1561	0.05
trans-Muurola-3,5-diene	10.66	1442	0.11	8.89	1579	0.15
α-Humulene	10.69	1444	0.79	9.30	1612	0.75
allo-Aromadendrene	10.78	1451	0.14	9.02	1589	0.18
cis-Muurola-	10.82	1453	0.05	9.37*	1618	[0.14]

4(15),5-diene						
trans-Cadina-1(6),4-diene	10.99	1466	0.21	9.26	1609	0.18
γ-Muurolene	11.04	1470	0.36	9.61	1637	0.33
Germacrene D	11.06	1472	0.11	9.81*	1653	[0.48]
β-Selinene	11.12	1476	0.38	9.88*	1659	0.38
trans-Muurola-4(15),5-diene	11.15	1478	0.02	9.88*	1659	[0.38]
δ-Selinene	11.20	1482	0.09	9.67	1642	0.14
Bicyclogermacrene	11.25*	1486	0.43	10.05*	1673	0.21
α-Selinene	11.25*	1486	[0.43]	9.96	1665	0.34
epi-Cubebol	11.25*	1486	[0.43]	12.00	1839	0.02
α-Muurolene	11.35	1493	0.19	10.05*	1673	[0.21]
γ-Cadinene	11.51*	1506	0.49	10.41*	1702	[0.53]
Cubebol	11.51*	1506	[0.49]	12.56	1888	0.02
δ-Cadinene	11.66	1517	1.14	10.44	1705	1.04
trans-Cadina-1,4-diene	11.75	1524	0.09	10.68*	1725	[0.08]
α-Cadinene	11.82	1530	0.05	10.80	1735	0.09
Isocaryophyllene epoxide B	11.97	1542	0.06	12.13	1851	0.05
Unknown [m/z 152, 109 (61), 43 (21), 137 (16), 151 (16)... 222 (6)]	12.21	1560	0.01			
Germacrene D-4-ol	12.29	1567	0.05	13.69	1993	0.06
Caryophyllene oxide isomer	12.34*	1571	0.25	12.70	1901	0.01
Spathulenol	12.34*	1571	[0.25]	14.41	2062	0.04
Caryophyllene oxide	12.34*	1571	[0.25]	12.78	1909	0.17
Viridiflorol	12.46	1580	0.12	14.00	2023	0.11
Copaborneol	12.62	1593	0.09	14.94	2114	0.08
Humulene epoxide II	12.67	1596	0.04	13.38	1964	0.05
10-epi-Cubenol	12.76	1604	0.13			
1-epi-Cubenol	12.93	1618	0.09	13.78	2002	0.09
τ-Cadinol	13.10*	1632	0.51	14.91	2111	0.43
τ-Muurolol	13.10*	1632	[0.51]	15.07*	2127	[0.04]
β-Eudesmol	13.17*	1638	0.09	15.41	2161	0.10
α-Muurolol	13.17*	1638	[0.09]	15.21	2141	0.04
α-Cadinol	13.28	1647	0.06	15.49	2169	0.05
(3*Z*)-Caryophylla-3,8(13)-dien-5β-ol	13.45	1661	0.06	16.83	2308	0.06
Shyobunol	13.61	1674	0.01	16.30	2253	0.01
α-Phellandrene dimer II	14.89	1785	0.05	12.48	1882	0.05
α-Phellandrene dimer III	15.08	1801	0.03	13.12	1941	0.02
α-Phellandrene dimer IV	15.30	1821	0.01	13.32	1958	tr
(3*E*)-Cembrene A	16.66	1947	0.14			

Cembrene C	17.11	1990	0.04			
Verticilla-4(20),7,11-triene	17.15	1994	0.02			
Cembrenol	18.44	2123	0.16	20.10	2681	0.15
Serratol	18.58*	2137	1.43	19.62	2624	0.88
Incensole	18.58*	2137	[1.43]	20.64	2748	0.45
Total identified		**98.17%**			**97.19%**	
Total reported		**98.49%**			**97.33%**	

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