Date : April 14, 2022

Certificate of Analysis – GC Profiling

Sample identification

Internal code : 22D07-PTH02
Customer identification : Helichrysum Italicum ORGANIC - Croatia - H90110R
Type : Essential oil
Source : *Helichrysum italicum*
Customer : Plant Therapy

Analysis

Method: PC-MAT-014 ISO - Analysis of the composition of an essential oil or other volatile liquid by FAST GC-FID (in French); identifications validated by GC-MS.
Analyst : Pamela Lavoie, M.Sc., Chimiste
Analysis date : April 14, 2022

Checked and approved by :

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

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Méthode certifiée ISO 17025:2017 Certified method

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PHYSICOCHEMICAL DATA

Physical aspect: Faintly yellow liquid
Refractive index: 1.4793 ± 0.0003 (20 °C; method PC-MAT-016)

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
Isovaleral	tr	Aliphatic aldehyde
2-Methylbutyral	0.01	Aliphatic aldehyde
3-Pentanone	0.02	Aliphatic ketone
2-Ethylfuran	0.01	Furan
2-Methylbutanol	tr	Aliphatic alcohol
2-Methyl-3-pentanone	0.07	Aliphatic ketone
Unknown	0.01	Unknown
Unknown	0.03	Unknown
Hexanal	0.01	Aliphatic aldehyde
Octane	0.01	Alkane
2-Methyl-2-heptene	0.10	Alkene
4-Methyl-3-hexanone	0.14	Aliphatic ketone
(3*Z*)-Hexenol	0.01	Aliphatic alcohol
Furfuryl alcohol	0.01	Furan
Hexanol	0.03	Aliphatic alcohol
Bornylene	0.03	Monoterpene
Nonane	0.02	Alkane
Hashishene	0.01	Monoterpene
α-Thujene	0.02	Monoterpene
α-Pinene	24.18	Monoterpene
α-Fenchene	0.32	Monoterpene
Camphene	0.16	Monoterpene
Thuja-2,4(10)-diene	0.02	Monoterpene
Sabinene	tr	Monoterpene
β-Pinene	0.46	Monoterpene
6-Methyl-5-hepten-2-one	0.02	Aliphatic ketone
Myrcene	0.06	Monoterpene
trans-Dehydroxylinalool oxide	0.01	Monoterpenic ether
6-Methyl-5-hepten-2-ol	0.03	Aliphatic alcohol
Unknown	0.04	Monoterpene
Isobutyl 2-methylbutyrate	0.07	Aliphatic ester
(3*Z*)-Hexenyl acetate	0.03	Aliphatic ester
α-Terpinene	0.19	Monoterpene
para-Methylanisole	0.02	Simple phenolic
para-Cymene	0.19	Monoterpene
Limonene	2.55	Monoterpene
1,8-Cineole	0.46	Monoterpenic ether
(*Z*)-β-Ocimene	0.01	Monoterpene
(*E*)-β-Ocimene	0.03	Monoterpene
Isobutyl angelate	0.27	Aliphatic ester
γ-Terpinene	0.44	Monoterpene
Octanol	0.01	Aliphatic alcohol
Terpinolene	0.17	Monoterpene
2-Nonanone	0.05	Aliphatic ketone
2,4-Dimethylheptane-3,5-dione	0.04	β-Diketone

Linalool	0.74	Monoterpenic alcohol
Nonanal	0.04	Aliphatic aldehyde
2-Methylbutyl 2-methylbutyrate	0.11	Aliphatic ester
endo-Fenchol	0.09	Monoterpenic alcohol
α-Campholenal	0.02	Monoterpenic aldehyde
trans-Pinocarveol	0.07	Monoterpenic alcohol
trans-Verbenol	0.04	Monoterpenic alcohol
para-Vinylanisole	0.01	Simple phenolic
Isoamyl angelate	0.04	Aliphatic ester
Nerol oxide	0.04	Aliphatic ether
2-Methylbutyl angelate	0.82	Aliphatic ester
Pinocarvone	0.02	Monoterpenic ketone
Borneol	0.08	Monoterpenic alcohol
Unknown	0.02	Aliphatic ester
Terpinen-4-ol	0.27	Monoterpenic alcohol
4,6-Dimethyloctane-3,5-dione epimer I	0.15	β-Diketone
4,6-Dimethyloctane-3,5-dione epimer II	0.17	β-Diketone
α-Terpineol	0.28	Monoterpenic alcohol
Myrtenol	0.03	Monoterpenic alcohol
2-Methylbutyl tiglate	0.03	Aliphatic ester
Unknown	0.03	Unknown
Decanal	0.05	Aliphatic aldehyde
Unknown	0.01	Unknown
Unknown	0.02	Unknown
(3*Z*)-Hexenyl 2-methylbutyrate	0.01	Aliphatic ester
Unknown	0.15	β-Diketone
Nerol	0.47	Monoterpenic alcohol
Hexyl 2-methylbutyrate	0.03	Aliphatic ester
3-Methylpentyl angelate	0.03	Aliphatic ester
Geraniol	0.07	Monoterpenic alcohol
Linalyl acetate	0.06	Monoterpenic ester
(3*Z*)-Hexenyl angelate	0.04	Aliphatic ester
Hexyl angelate	0.35	Aliphatic ester
2-Undecanone	0.05	Aliphatic ketone
Hexyl tiglate	0.03	Aliphatic ester
α-Terpinyl acetate	0.01	Monoterpenic ester
Cyclosativene I	0.05	Sesquiterpene
Cyclosativene II	0.31	Sesquiterpene
Neryl acetate	5.39	Monoterpenic ester
α-Ylangene	0.05	Sesquiterpene
α-Copaene	1.62	Sesquiterpene
Italicene isomer	0.92	Sesquiterpene
α-Funebrene	0.17	Sesquiterpene
Geranyl acetate	0.06	Monoterpenic ester
Isoitalicene	0.16	Sesquiterpene
Italicene	3.38	Sesquiterpene
Isocaryophyllene	0.07	Sesquiterpene
Tetradecane	0.08	Alkane
β-Caryophyllene	4.74	Sesquiterpene
cis-α-Bergamotene	1.00	Sesquiterpene
β-Copaene	0.05	Sesquiterpene
trans-α-Bergamotene	1.01	Sesquiterpene

Italidione I (4,6,9-Trimethyldec-8-ene-3,5-dione)	2.32	β-Diketone
α-Humulene	0.32	Sesquiterpene
Unknown	0.01	Sesquiterpene
α-Acoradiene	0.32	Sesquiterpene
allo-Aromadendrene	0.13	Sesquiterpene
(*E*)-β-Farnesene	0.70	Sesquiterpene
Neryl propionate	0.43	Monoterpenic ester
β-Acoradiene	0.12	Sesquiterpene
trans-Cadina-1(6),4-diene	0.11	Sesquiterpene
Selina-4,11-diene	1.65	Sesquiterpene
α-Amorphene	0.32	Sesquiterpene
γ-Curcumene	12.98	Sesquiterpene
ar-Curcumene	2.15	Sesquiterpene
Unknown	0.05	Sesquiterpene
β-Selinene	5.74	Sesquiterpene
Italidione II isomer I (2,4,6,9-Tetramethyldec-8-ene-3,5-dione)	1.85	β-Diketone
Italidione II isomer II (5,7,10-Trimethylundec-9-ene-4,6-dione)	2.54	β-Diketone
α-Selinene	3.38	Sesquiterpene
Italidione II analog	0.36	β-Diketone
δ-Amorphene	0.41	Sesquiterpene
β-Bisabolene	0.38	Sesquiterpene
10-epi-Italicene ether	0.11	Sesquiterpenic ether
γ-Cadinene	0.09	Sesquiterpene
7-epi-α-Selinene	0.51	Sesquiterpene
β-Curcumene	1.00	Sesquiterpene
Sesquicineole	0.45	Sesquiterpenic ether
δ-Cadinene	0.34	Sesquiterpene
trans-Calamenene	0.10	Sesquiterpene
Italicene ether	0.32	Sesquiterpenic ether
trans-Cadina-1,4-diene	0.07	Sesquiterpene
(*E*)-γ-Bisabolene	0.02	Sesquiterpene
α-Cadinene	0.12	Sesquiterpene
(*E*)-α-Bisabolene	0.14	Sesquiterpene
(*E*)-Nerolidol	0.15	Sesquiterpenic alcohol
Italidione III isomer I	0.45	β-Diketone
Italidione III isomer II	0.99*	β-Diketone
Italidione III isomer III	0.99*	β-Diketone
Guaiol	0.14	Sesquiterpenic alcohol
Copaborneol	0.24	Sesquiterpenic alcohol
Eudesm-5-en-11-ol	0.28	Sesquiterpenic alcohol
Unknown	0.12	Oxygenated sesquiterpene
Unknown	0.08	Oxygenated sesquiterpene
Unknown	0.10	Unknown
Neryl angelate?	0.07	Monoterpenic ester
γ-Eudesmol	0.07	Sesquiterpenic alcohol
Caryophylladienol I	0.02	Sesquiterpenic alcohol
Eudesmol analog?	0.16	Sesquiterpenic alcohol
τ-Muurolol	0.02	Sesquiterpenic alcohol
τ-Cadinol	0.06	Sesquiterpenic alcohol
β-Eudesmol	0.10	Sesquiterpenic alcohol

α-Eudesmol	0.07	Sesquiterpenic alcohol
Selin-11-en-4α-ol	0.18	Sesquiterpenic alcohol
Bulnesol	0.04	Sesquiterpenic alcohol
β-Bisabolol	0.10	Sesquiterpenic alcohol
epi-α-Bisabolol	0.05	Sesquiterpenic alcohol
α-Bisabolol	0.03	Sesquiterpenic alcohol
Neryl 4-methylvalerate?	0.04	Monoterpenic ester
Unknown	0.05	Unknown
Geranyl 4-methylvalerate?	0.03	Monoterpenic ester
Unknown	0.13	Oxygenated sesquiterpene
Unknown	0.02	Oxygenated sesquiterpene
Geranyl hexanoate	0.01	Monoterpenic ester
Unknown	0.03	Oxygenated sesquiterpene
Unknown	0.05	Oxygenated sesquiterpene
Unknown	0.04	Oxygenated sesquiterpene
Unknown	0.03	Oxygenated sesquiterpene
Unknown	0.04	Oxygenated sesquiterpene
trans-Bisabola-1(6),10-diene-2,3-diol	0.14	Sesquiterpenic alcohol
Unknown	0.06	Unknown
Consolidated total	**97.65%**	

*: Individual compounds concentration could not be found due to overlapping coelutions on columns considered
[xx]: Duplicate percentage due to coelutions, not taken into account in the consolidated total
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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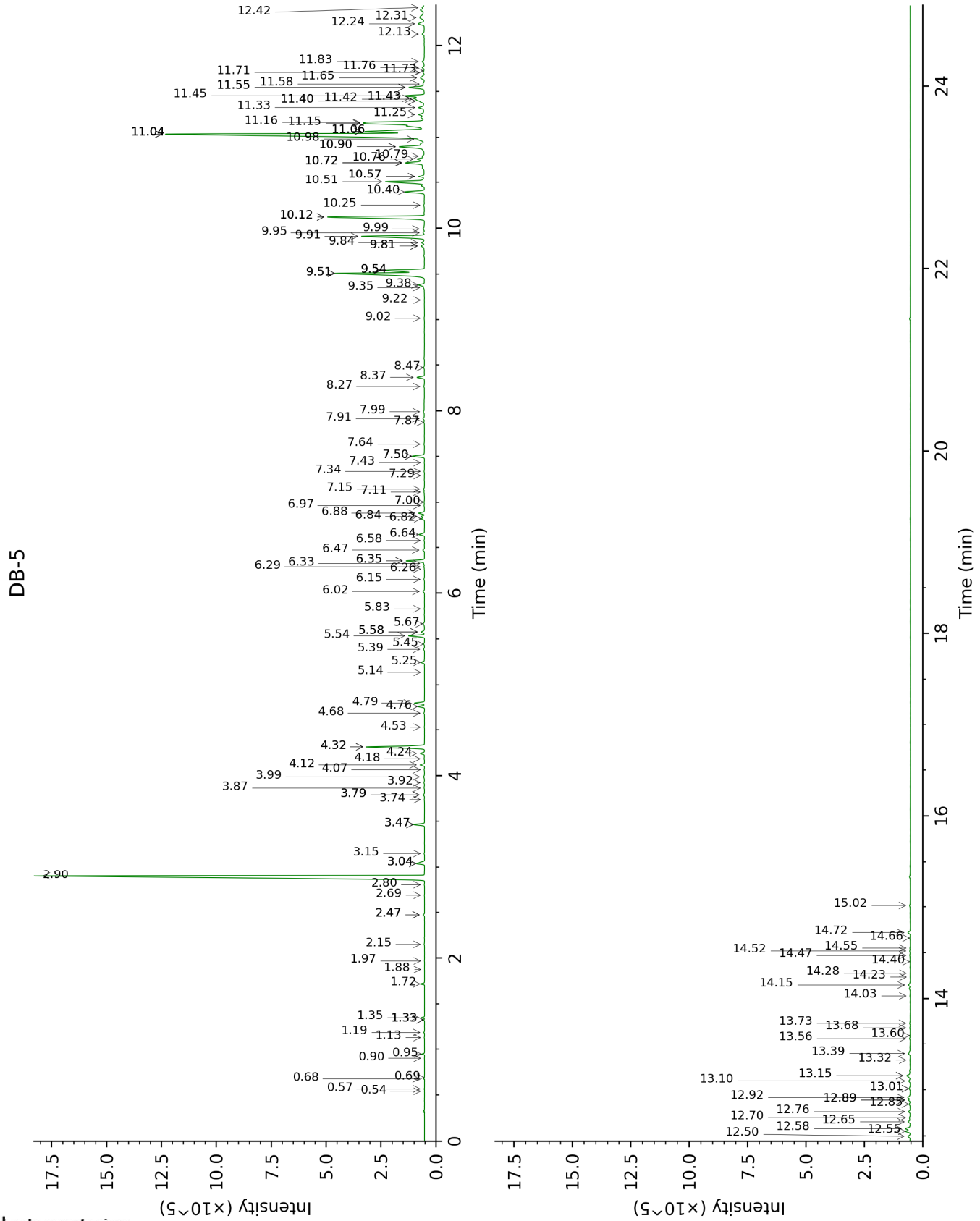

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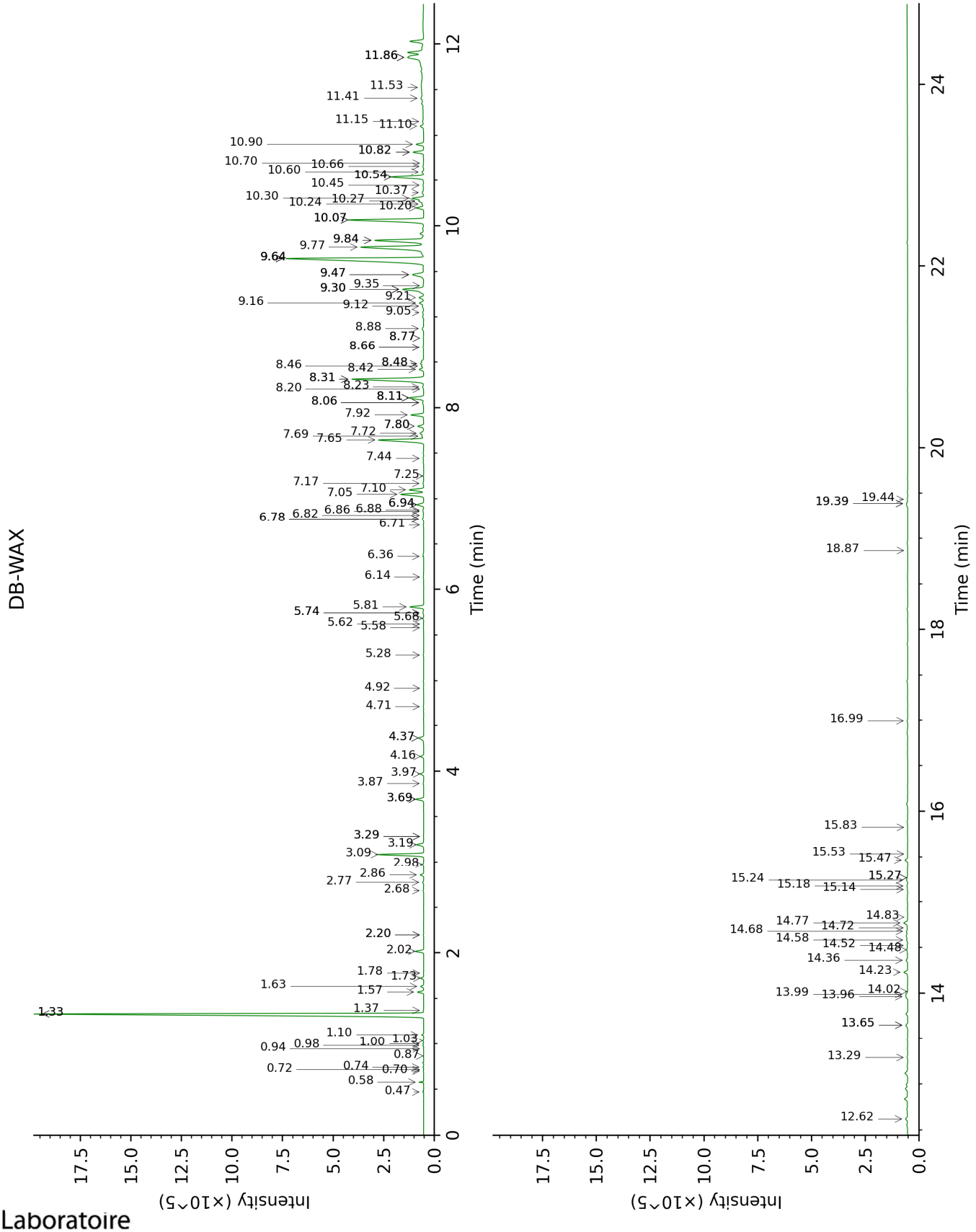
DB-WAX
Time (min)
Intensity (×10^5)
11.86
11.53
11.41
11.15
11.10
10.90
10.82
10.70
10.66
10.60
10.54
10.45
10.37
10.30
10.27
10.24
10.20
10.07
9.84
9.77
9.64
9.47
9.35
9.30
9.21
9.16
9.12
9.05
8.88
8.77
8.66
8.48
8.46
8.42
8.31
8.23
8.20
8.11
8.06
7.92
7.80
7.72
7.69
7.65
7.44
7.25
7.17
7.10
7.05
6.94
6.88
6.86
6.82
6.78
6.71
6.36
6.14
5.81
5.74
5.68
5.62
5.58
5.28
4.92
4.71
4.37
4.16
3.97
3.87
3.69
3.29
3.19
3.09
2.98
2.86
2.77
2.68
2.20
2.02
1.78
1.73
1.63
1.57
1.37
1.33
1.10
1.03
1.00
0.98
0.94
0.87
0.74
0.72
0.70
0.58
0.47
19.44
19.39
18.87
16.99
15.83
15.53
15.47
15.27
15.24
15.18
15.14
14.83
14.77
14.72
14.68
14.58
14.52
14.48
14.36
14.23
14.02
13.99
13.96
13.65
13.29
12.62

FULL ANALYSIS DATA

Identification	Column DB-5			Column DB-WAX		
	R.T	R.I	%	R.T	R.I	%
Isovaleral	0.54	642	tr	0.72	887	tr
2-Methylbutyral	0.57	652	0.01	0.70	882	0.01
3-Pentanone	0.68	696	0.02	1.00	942	0.03
2-Ethylfuran	0.70	702	0.01	0.87	920	0.01
2-Methylbutanol	0.90	735	tr	3.28*	1175	0.02
2-Methyl-3-pentanone	0.95	742	0.07	1.10	959	0.07
Unknown [m/z 73, 41 (54), 87 (50), 56 (47), 54 (29), 55 (25), 100 (23)... 115? (6)]	1.13	772	0.01	0.94	933	0.01
Unknown [m/z 73, 87 (52), 41 (45), 56 (42), 100 (29)...]	1.19	780	0.03	0.98	939	0.03
Hexanal	1.33*	802	0.02	1.78	1043	0.01
Octane	1.33*	802	[0.02]	0.47	785	0.01
2-Methyl-2-heptene	1.35	804	0.10	0.58	837	0.10
4-Methyl-3-hexanone	1.72	837	0.14	1.72	1038	0.15
(3*Z*)-Hexenol	1.88	850	0.01	5.62	1347	0.02
Furfuryl alcohol	1.97	859	0.01	8.77*	1581	0.04
Hexanol	2.15	874	0.03	5.28	1323	0.03
Bornylene	2.47*	903	0.06	1.03	948	0.03
Nonane	2.47*	903	[0.06]	0.74	897	0.02
Hashishene	2.69	917	0.01	1.33*	997	24.15
α-Thujene	2.80	925	0.02	1.37	1002	0.02
α-Pinene	2.90	931	24.18	1.33*	997	[24.15]
α-Fenchene	3.04*	941	0.48	1.57	1022	0.32
Camphene	3.04*	941	[0.48]	1.63	1029	0.16
Thuja-2,4(10)-diene	3.15	948	0.02	2.20*	1085	0.02
Sabinene	3.47*	970	0.46	2.20*	1085	[0.02]
β-Pinene	3.47*	970	[0.46]	2.02	1067	0.46
6-Methyl-5-hepten-2-one	3.74	988	0.02	4.92	1299	0.02
Myrcene	3.79*	992	0.07	2.78	1134	0.06
trans-Dehydroxylinalool oxide	3.79*	992	[0.07]	3.28*	1175	[0.02]
6-Methyl-5-hepten-2-ol	3.87	997	0.03	6.82	1433	0.03
Unknown [m/z = 123, 43 (16), 152 (14), 124 (9), 137 (6)]	3.92	1001	0.04	2.68	1127	0.03

Isobutyl 2-methylbutyrate	3.99	1005	0.07	2.98	1150	0.05
(3*Z*)-Hexenyl acetate	4.07	1010	0.03	4.71	1284	0.03
α-Terpinene	4.12	1013	0.19	2.86	1141	0.19
para-Methylanisole	4.18	1017	0.02	6.14	1384	0.03
para-Cymene	4.24	1021	0.19	3.97	1228	0.19
Limonene	4.32*	1026	2.97	3.09	1159	2.55
1,8-Cineole	4.32*	1026	[2.97]	3.20	1168	0.46
(*Z*)-β-Ocimene	4.53	1039	0.01	3.69*	1207	0.46
(*E*)-β-Ocimene	4.68	1049	0.03	3.87	1220	0.03
Isobutyl angelate	4.76	1053	0.27	4.36*	1258	0.39
γ-Terpinene	4.79	1056	0.44	3.69*	1207	[0.46]
Octanol	5.14	1077	0.01	8.11*	1530	1.05
Terpinolene	5.25	1084	0.17	4.16	1242	0.18
2-Nonanone	5.39	1093	0.05	5.68	1351	0.05
2,4-Dimethylheptane-3,5-dione	5.45	1097	0.04	7.44	1480	0.04
Linalool	5.54	1103	0.74	7.92	1515	0.74
Nonanal	5.58*	1105	0.18	5.74*	1356	0.07
2-Methylbutyl 2-methylbutyrate	5.58*	1105	[0.18]	4.36*	1258	[0.39]
endo-Fenchol	5.67	1111	0.09	8.23	1539	0.08
α-Campholenal	5.83	1121	0.02	6.86	1437	0.03
trans-Pinocarveol	6.02	1134	0.07	9.05	1603	0.08
trans-Verbenol	6.15	1142	0.04	9.35	1627	0.03
para-Vinylanisole	6.26	1149	0.01	9.30*	1624	1.79
Isoamyl angelate	6.29	1151	0.04	5.74*	1356	[0.07]
Nerol oxide	6.33	1153	0.04	6.71	1425	0.03
2-Methylbutyl angelate	6.35*	1155	0.83	5.81	1360	0.82
Pinocarvone	6.35*	1155	[0.83]	7.80*	1506	0.37
Borneol	6.47	1162	0.08	9.64*	1651	13.35
Unknown [m/z 83, 100 (34), 55 (33), 43 (21), 84 (21)...]	6.58	1169	0.02	5.58	1344	0.03
Terpinen-4-ol	6.64	1173	0.27	8.42†	1554	0.42
4,6-Dimethyloctane-3,5-dione epimer I	6.82	1185	0.15	8.46†	1557	[0.42]
4,6-Dimethyloctane-3,5-dione epimer II	6.84	1186	0.17	8.48*	1559	0.20
α-Terpineol	6.88	1189	0.28	9.64*	1651	[13.35]
Myrtenol	6.97	1194	0.03	10.70	1739	0.03
2-Methylbutyl tiglate	7.00	1196	0.03	6.78*	1430	0.10
Unknown [m/z 95, 93 (32), 121 (24),	7.11	1204	0.03	10.82*	1749	0.66

79 (22), 91 (21), 105 (16)... 154 (2)]						
Decanal	7.15	1206	0.05	7.17	1459	0.05
Unknown [m/z 81, 57 (91), 168 (73), 67 (52), 140 (45), 41 (36), 113 (27)...]	7.29	1216	0.01			
Unknown [m/z 81, 109 (85), 168 (72), 57 (69), 67 (58), 41 (49), 140 (45)...]	7.34	1219	0.02			
(3*Z*)-Hexenyl 2-methylbutyrate	7.43	1225	0.01	6.94*	1442	0.46
Unknown [m/z 113, 57 (55), 85 (16), 170 (16)]	7.50*	1230	0.62			
Nerol	7.50*	1230	[0.62]	10.90	1756	0.47
Hexyl 2-methylbutyrate	7.64	1238	0.03			
3-Methylpentyl angelate	7.87	1254	0.03	7.25	1465	0.03
Geraniol	7.91	1257	0.07	11.53†	1810	5.51
Linalyl acetate	7.99	1262	0.06	8.06*	1526	0.10
(3*Z*)-Hexenyl angelate	8.26	1280	0.04	8.11*	1530	[1.05]
Hexyl angelate	8.36	1287	0.35	7.80*	1506	[0.37]
2-Undecanone	8.47	1294	0.05	8.48*	1559	[0.20]
Hexyl tiglate	9.02	1332	0.03	8.77*	1581	[0.04]
α-Terpinyl acetate	9.22	1346	0.01	9.64*	1651	[13.35]
Cyclosativene I	9.35	1356	0.05	6.78*	1430	[0.10]
Cyclosativene II	9.38	1358	0.31	6.94*	1442	[0.46]
Neryl acetate	9.51*†	1367	7.98	10.07*	1686	5.47
α-Ylangene	9.51*†	1367	[7.98]	6.88	1438	0.05
α-Copaene	9.54*†	1369	[7.98]	7.05	1450	1.62
Italicene isomer	9.54*†	1369	[7.98]	7.10	1454	0.92
α-Funebrene	9.81*	1388	0.23	7.72†	1500	[0.42]
Geranyl acetate	9.81*	1388	[0.23]	10.45	1717	0.06
Isoitalicene	9.84	1390	0.16	7.69†	1498	0.42
Italicene	9.91	1395	3.38	7.65	1495	3.37
Isocaryophyllene	9.95	1398	0.07	8.06*	1526	[0.10]
Tetradecane	9.99	1401	0.08	6.36	1400	0.06
β-Caryophyllene	10.12*	1411	5.80	8.31*	1546	5.75
cis-α-Bergamotene	10.12*	1411	[5.80]	8.11*	1530	[1.05]
β-Copaene	10.25	1420	0.05	8.20	1537	0.01
trans-α-Bergamotene	10.40	1431	1.01	8.31*	1546	[5.75]
Italidione I (4,6,9-Trimethyldec-8-ene-3,5-dione)	10.51	1439	2.32	11.86*†	1839	[5.51]
α-Humulene	10.57*	1444	0.33	9.16	1612	0.32

Unknown [m/z 91, 161 (92), 105 (85), 119 (63), 133 (53), 79 (49), 204 (46)]	10.57*	1444	[0.33]	8.66*	1573	0.05
α-Acoradiene	10.72*†	1455	1.59	9.22	1616	0.32
allo-Aromadendrene	10.72*†	1455	[1.59]	8.88	1590	0.13
(*E*)-β-Farnesene	10.72*†	1455	[1.59]	9.47*	1637	1.02
Neryl propionate	10.76†	1458	[1.59]	10.82*	1749	[0.66]
β-Acoradiene	10.79	1460	0.12	9.30*	1624	[1.79]
trans-Cadina-1(6),4-diene	10.90*†	1468	1.83	9.12	1609	0.11
Selina-4,11-diene	10.90*†	1468	[1.83]	9.30*	1624	[1.79]
α-Amorphene	10.98	1474	0.32	9.47*	1637	[1.02]
γ-Curcumene	11.04*†	1478	22.76	9.64*	1651	[13.35]
ar-Curcumene	11.04*†	1478	[22.76]	10.54*	1725	2.22
Unknown [m/z 41, 69 (90), 79 (78), 93 (72), 91 (70)...204]	11.04*†	1478	[22.76]	8.66*	1573	[0.05]
β-Selinene	11.06*†	1480	[22.76]	9.77	1662	5.74
Italidione II isomer I (2,4,6,9-Tetramethyldec-8-ene-3,5-dione)	11.06*†	1480	[22.76]	11.86*†	1839	[5.51]
Italidione II isomer II (5,7,10-Trimethylundec-9-ene-4,6-dione)	11.15†	1487	5.92	11.86*†	1839	[5.51]
α-Selinene	11.16†	1488	[5.92]	9.84*	1668	3.79
Italidione II analog	11.25	1494	0.36	12.62	1908	0.15
δ-Amorphene	11.33	1500	0.41	9.84*	1668	[3.79]
β-Bisabolene	11.40*†	1505	0.58	10.07*	1686	[5.47]
10-epi-Italicene ether	11.40*†	1505	[0.58]	11.15	1778	0.11
γ-Cadinene	11.42†	1507	[0.58]	10.24	1700	0.09
7-epi-α-Selinene	11.43	1508	0.51	10.30	1705	0.78
β-Curcumene	11.45	1510	1.00	10.07*	1686	[5.47]
Sesquicineole	11.55*	1517	0.85	10.20	1696	0.45
δ-Cadinene	11.55*	1517	[0.85]	10.27	1703	0.34
trans-Calamenene	11.58	1520	0.10	11.10	1773	0.25
Italicene ether	11.65	1525	0.32	11.41	1799	0.36
trans-Cadina-1,4-diene	11.71	1530	0.07	10.54*	1725	[2.22]
(*E*)-γ-Bisabolene	11.73	1531	0.02	10.37	1710	0.15
α-Cadinene	11.76	1534	0.12	10.66	1736	0.05
(*E*)-α-Bisabolene	11.83	1539	0.14	10.60	1730	0.11
(*E*)-Nerolidol	12.13	1563	0.15	13.65*	2004	0.16
Italidione III isomer I	12.24	1571	0.45			
Italidione III isomer II	12.31†	1577	0.99			

Italidione III isomer III	12.42†	1585	[0.99]			
Guaiol	12.50	1592	0.14	13.96	2034	0.14
Copaborneol	12.55	1596	0.24	14.77	2114	0.33
Eudesm-5-en-11-ol	12.58	1598	0.28	14.23	2061	0.27
Unknown [m/z 43, 81 (97), 135 (71), 95 (62), 204 (61), 71 (59), 207 (56)... 222 (3)]	12.65	1604	0.12	14.36	2073	0.12
Unknown [m/z 179, 161 (66), 119 (44), 95 (38), 105 (35)... 204 (24), 222 (1)]	12.70	1608	0.08	14.48	2085	0.10
Unknown [m/z 182, 109 (58), 69 (50), 41 (42), 43 (40), 139 (31)... 235 (17), 250 (1)...]	12.76	1613	0.10	13.99	2037	0.13
Neryl angelate?	12.84	1620	0.07			
γ-Eudesmol	12.89*	1623	0.08	14.72†	2108	[0.14]
Caryophylladienol I	12.89*	1623	[0.08]	15.83	2222	0.02
Eudesmol analog?	12.92	1626	0.16			
τ-Muurolol	13.01*	1634	0.08	14.83	2120	0.02
τ-Cadinol	13.01*	1634	[0.08]	14.68†	2104	0.14
β-Eudesmol	13.10	1640	0.10	15.24	2162	0.09
α-Eudesmol	13.15*	1645	0.26	15.18	2155	0.07
Selin-11-en-4α-ol	13.15*	1645	[0.26]	15.47	2185	0.18
Bulnesol	13.32	1659	0.04	15.14	2151	0.04
β-Bisabolol	13.39	1665	0.10	14.58	2095	0.09
epi-α-Bisabolol	13.56	1679	0.05	15.27*	2164	0.05
α-Bisabolol	13.60	1682	0.03	15.27*	2164	[0.05]
Neryl 4-methylvalerate?	13.68	1689	0.04	13.29	1970	0.04
Unknown [m/z 196, 69 (62), 109 (58), 41 (54), 139 (41)... 249 (21)...]	13.73	1693	0.05	14.52	2089	0.05
Geranyl 4-methylvalerate?	14.03	1718	0.03	13.65*	2004	[0.16]
Unknown [m/z 43, 69 (32), 198 (29), 41 (27), 93 (26)... 202 (20)...]	14.15	1729	0.13			
Unknown [m/z 82, 125 (40), 41 (35), 69 (31), 67 (27)... 236? (t)]	14.24	1736	0.02	15.53	2191	0.01

Geranyl hexanoate	14.28	1740	0.01	14.02	2040	0.02
Unknown [m/z 136, 121 (74), 135 (55), 218 (36), 148 (33), 40 (42)... 236? (1)]	14.40	1751	0.03			
Unknown [m/z 109, 138 (71), 82 (42), 123 (41), 127 (38)...]	14.47	1756	0.05	18.87	2561	0.01
Unknown [m/z 96, 41 (29), 178 (28), 43 (27)... 236 (2)]	14.52	1761	0.04	16.99	2347	0.04
Unknown [m/z 109, 127 (46), 138 (45), 82 (34), 81 (31)... 236? (t)]	14.55	1764	0.03	19.39*	2623	0.14
Unknown [m/z 109, 138 (75), 123 (45), 127 (42), 81 (30)...]	14.66	1773	0.04	19.44	2629	0.03
trans-Bisabola-1(6),10-diene-2,3-diol	14.72	1778	0.14	19.39*	2623	[0.14]
Unknown [m/z 43, 82 (69), 41 (66), 93 (62), 96 (55), 55 (49), 67 (45), 154 (44)...]	15.02	1804	0.06			
Total identified		**96.95%**			**92.99%**	
Total reported		**97.84%**			**93.59%**	

*: 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